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SAN DIEGO STATE UNIVERSITY
MISSION VALLEY CAMPUS
MASTER PLAN PROJECT
AIR QUALITY TECHNICAL REPORT
SAN DIEGO STATE UNIVERSITY
SAN DIEGO, CALIFORNIA

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ACRONYMS AND ABBREVIATIONS

Acronym	Definition
AB	Assembly Bill
ACC	Advanced Clean Cars
AP-42	United States Environmental Protection Agency's Compilation of Air Pollutant Emission Factors
APCDs	Air Pollution Control Districts
AQ	air quality
AQMDs	Air Quality Management District
ATCM	Airborne Toxic Control Measure
AvgHP	Maximum rated average horsepower
CAA	California Ambient Air
CAAQS	California Ambient Air Quality Standards
CalEEMod®	California Emission Estimator Model®
CARB	California Air Resources Board
CCAR	California Climate Action Registry
CCR	California Code of Regulations
CEC	California Energy Commissions
CEQA	California Environmental Quality Act
CEUS	California Commercial End Use Survey
CHI	chronic hazard index
CO	carbon monoxide
CO ₂	carbon dioxide
CPU	community plan update
DPM	Diesel Particulate Matter
EF	emission factor
EIR	Environmental Impact Report
EMFAC	EMission FACtors model
EPA	Environmental Protection Agency
EV	Electric vehicle
°F	degrees Fahrenheit
FTES	full-time equivalent students
g/L	gram/Liter
GHG	greenhouse gas
HRA	health risk assessment
I-8	Interstate 8
I-15	Interstate 15
ITE	Institute of Transportation Engineers
LEED	Leadership in Energy and Environmental Design
MV	Mission Valley
MVCP	Mission Valley Community Plan
NAAQS	National Ambient Air Quality Standards
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NHTSA	National Highway Traffic Safety Administration
NO	Nitric oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen

ACRONYMS AND ABBREVIATIONS *(CONTINUED)*

Acronym	Definition
NOV	notice of violation
O ₃	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
Pb	Lead
PDF	Project Design Feature
PM	particulate matter
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
ppm	parts per million by volume
PV	Solar Photovoltaic
Ramboll	Ramboll US Corporation
RAQS	Regional Air Quality Strategy
RASS	Residential Appliance Saturation Survey
SANDAG	San Diego Association of Governments
SANTEC	San Diego Regional Traffic Engineers
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SDCCU	San Diego County Credit Union
SDMC	San Diego Municipal Code
SDSU	San Diego State University
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SO _x	sulfur oxide
TACs	Toxic Air Contaminant
TDM	Transportation Demand Management
USEPA	United States Environmental Protection Agency
VDECS	Verified Diesel Emission Control Strategies
VMT	Vehicle miles traveled
VOCs	Volatile Organic Compounds
WRCC	Western Regional Climate Center

1. INTRODUCTION

Ramboll US Corporation (Ramboll) was retained to prepare an Air Quality (AQ) Technical Report for the proposed San Diego State University (SDSU) Mission Valley Master Plan Project (proposed project). The proposed project is referenced in San Diego Municipal Code (SDMC) Section 22.0908, Sale of Real Property to SDSU, which was adopted after the SDSU West Campus Research Center, Stadium, and River Park Initiative (Measure G) was approved by the voters of the City of San Diego on November 6, 2018.

This AQ Technical Report analyzes the proposed project's impacts on air quality from construction and operations. In particular, this report describes the existing setting of the project site, describes the relevant regulatory setting, discusses the methodology used to evaluate air quality impacts related to the project, describes project design features, and evaluates potential impacts related to air quality that would be affected as a result of implementation of the proposed project.

1.1 Project Site and Description

The property comprising the project site is located in the northeast portion of the Mission Valley community within the City of San Diego, as shown in **Figure 1**. Specifically, the project site is situated south of Friars Road, west of Interstate 15 (I-15), north of Interstate 8 (I-8), and east of the existing Fenton Marketplace shopping center. It is approximately 5 miles from downtown San Diego and approximately 2.5 miles west of the existing SDSU main campus situated along I-8 within the College Area community of the City of San Diego.

The proposed project entails the acquisition construction, and operation of a new 169-acre SDSU Mission Valley mixed-use campus, research park, and stadium to support SDSU's education, research, entrepreneurial, technology, and athletics programs that can no longer be accommodated at SDSU's existing 287-acre main campus. Specifically, the proposed project would include:

- A. approximately 84 acres of open space, including shared SDSU/community active and passive parks and recreation fields, the approximate 34-acre River Park, and pedestrian, hiking, and biking trails;
- B. approximately 1.6 million square feet of campus uses for education, research, entrepreneurial, and technology programs;
- C. construction of a new, multipurpose 35,000-capacity stadium and the corresponding demolition of the existing San Diego County Credit Union (SDCCU) Stadium (formerly, "Qualcomm Stadium");
- D. approximately 4,600 residential homes for student, faculty, staff, including market-rate, workforce, and affordable homes, in proximity to a vibrant university village atmosphere;
- E. two hotels with approximately 400 hotel rooms to support campus visitors and stadium-related events, provide additional conference facilities, and provide academic opportunities for graduate and undergraduate students in SDSU's hospitality and tourism management program;
- F. approximately 95,000 square feet of community-serving retail space to support campus, stadium, and related facilities;

- G. trolley/transit opportunities to minimize vehicular traffic use by using the existing underutilized Metropolitan Transit System's Green Line transit station, accommodating the planned Purple Line transit station, and providing an enhanced pedestrian connection to the existing light rail transit center; and
- H. associated infrastructure, utilities, facilities, and other amenities.

The new SDSU Mission Valley Campus Master Plan would accommodate up to 15,000 full-time equivalent students (FTES) over time, resulting in a total student headcount of approximately 20,000 students and resulting in approximately 1,900 total faculty and staff.

Table 1-1 provides a statistical breakdown of the components of the proposed project.

1.2 Existing Condition

The property comprising the project site includes three existing uses: (1) a multi-purpose stadium (SDCCU Stadium) with an existing capacity of approximately 71,500 seats for football and other events; (2) an associated surface parking lot with approximately 18,870 parking spaces; and (3) the Metropolitan Transit System's existing Green Line transit station, which provides trolley service running toward downtown San Diego to the west and Santee to the east. The SDSU main campus is three trolley stops from the existing on-site trolley station.

1.3 Existing Setting

1.3.1 Climate and Topography

The weather of the San Diego region, as in most of Southern California, is influenced by the Pacific Ocean and its semi-permanent high-pressure systems that result in dry, warm summers and mild, occasionally wet winters. The average temperature ranges (in degrees Fahrenheit (°F)) from the mid-40s to the high 90s. Most of the region's precipitation falls from November to April, with infrequent (approximately 10%) precipitation during the summer. The average seasonal precipitation along the coast is approximately 10 inches; the amount increases with elevation as moist air is lifted over the mountains.¹

The topography in the San Diego region varies greatly, from beaches on the west to mountains and desert on the east; along with local meteorology, it influences the dispersal and movement of pollutants in the basin. The mountains to the east prohibit dispersal of pollutants in that direction and help trap them in inversion layers.

The interaction of ocean, land, and the Pacific High-Pressure Zone maintains clear skies for much of the year and influences the direction of prevailing winds (westerly to northwesterly). Local terrain is often the dominant factor inland, and winds in inland mountainous areas tend to blow through the valleys during the day and down the hills and valleys at night.

1.3.2 San Diego Air Basin Climatology

The project area is located within the San Diego Air Basin (SDAB or basin). The SDAB is one of 15 air basins that geographically divide the State of California. The SDAB lies in the southwest corner of California and comprises the entire San Diego region, covering 4,260 square miles, and is an area of high air pollution potential. The basin experiences warm summers, mild winters, infrequent rainfalls, light winds, and moderate humidity. This usually

¹ Western Regional Climate Center (WRCC). 2016. Escondido. Temperature and Precipitation. Available at: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca2862>. Accessed: May 2019.

mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

The SDAB experiences frequent temperature inversions. Subsidence inversions occur during the warmer months as descending air associated with the Pacific High-Pressure Zone meets cool marine air. The boundary between the two layers of air creates a temperature inversion that traps pollutants. The other type of inversion, a radiation inversion, develops on winter nights when air near the ground cools by heat radiation and air aloft remains warm. The shallow inversion layer formed between these two air masses also can trap pollutants. As the pollutants become more concentrated in the atmosphere, photochemical reactions occur that produce O₃, which contributes to the formation of smog. Smog is a combination of smoke and other particulates, O₃, hydrocarbons, oxides of nitrogen (NO_x) and other chemically reactive compounds which, under certain conditions of weather and sunlight, may result in a murky brown haze that causes adverse health effects (California Air Resources Board [CARB 2014a]).

Light daytime winds, predominately from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO_x emissions. CO concentrations are generally higher in the morning and late evening. In the morning, CO levels are elevated due to cold temperatures and the large number of motor vehicles traveling. Higher CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO is produced almost entirely from automobiles, the highest CO concentrations in the basin are associated with heavy traffic. Nitrogen dioxide (NO₂) levels are also generally higher during fall and winter days.

Under certain conditions, atmospheric oscillation results in the offshore transport of air from the Los Angeles region to San Diego County. This often produces high O₃ concentrations, as measured at air pollutant monitoring stations within the County. The transport of air pollutants from Los Angeles to San Diego has also occurred within the stable layer of the elevated subsidence inversion, where high levels of O₃ are transported.

1.3.3 Local Air Quality Monitoring Data

The SDAPCD operates a network of ambient air monitoring stations throughout San Diego County, which measure ambient concentrations of pollutants and determine whether the ambient air quality meets the California Ambient Air Quality Standards (CAAQS) and the National Ambient Air Quality Standards (NAAQS). The air quality conditions in San Diego County are monitored at 12 locations throughout the county.

The Kearny Villa Road monitoring station represents the closest monitoring station to the project site for air pollutant concentration data. In the absence of data at this station, data available for the next closest monitoring station were included. Ambient concentrations of pollutants from 2015 through 2017 are presented in **Table 1-2**. The number of days exceeding the ozone AAQS is shown in **Table 1-3**; no AAQS exceedances for other pollutants were reported during the monitoring period. The state 1-hour O₃ standard was exceeded in 2017 and the state and federal 8-hour O₃ standards were exceeded in 2016 and 2017.

Air quality within the project region was in compliance with both CAAQS and NAAQS for NO₂, CO, PM₁₀, PM_{2.5}, and SO₂ during this monitoring period. The SDAB is currently classified as a federal nonattainment area for ozone (O₃) and a state nonattainment area for particulate

matter less than 10 microns (PM₁₀), particulate matter less than 2.5 microns (PM_{2.5}), and O₃.²

1.3.4 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, athletic fields, hospitals, and residential communities; these are referred to as sensitive sites or sensitive land uses (CARB 2005).

The project would be located within approximately 125 feet of Mission Hospice Services of San Diego, Inc., which would be the closest sensitive receptor.

1.4 Project Analysis

This report evaluates the air quality emissions associated with project-related construction activities and operational activities for complete buildout of the proposed project. Additionally, this report evaluates the air quality emissions associated with the existing condition. Project buildout is estimated to be realized in calendar year 2037.

We note that the California Emissions Estimator Model[®] (CalEEMod[®]) allows for emissions estimation up to 2035. Here, as indicated, the project's build out post-dates the estimation parameters of CalEEMod[®]. Given that CalEEMod[®]'s mobile emission factors are based on the operational year, the mobile emission factors used to estimate the corresponding mobile emissions in this AQ Technical Report are based on values from EMFAC2014 for the year 2035.

This is conservative as complete buildout and operation of the project is expected in 2037, and mobile emission factors tend to decline with the passage of time.

The analysis provided by this report also is conservative because further beneficial changes to California's regulatory framework, serving to reduce energy consumption and thus criteria air pollutants, are reasonably anticipated with the passage of time. For example, California revises its building energy standards (as set forth in Title 24 of the California Code of Regulations) on a periodic basis. California's building codes are published in their entirety every three years. Intervening Code Adoption Cycles produce Supplement pages half-way (18 months) into each triennial period. The next Title 24 code to be published is the 2019 Code; the corresponding building energy standards were adopted in May 2018 and will take effect in January 2020. Each subsequent building code has required more energy efficiency than the previous codes. Accordingly, because this analysis is based on current codes, it necessarily will result in an overestimate of energy usage in buildings and corresponding natural gas-related emissions.

² SDAPCD. Attainment Status. Available at: <https://www.sdapcd.org/content/sdc/apcd/en/air-quality-planning/attainment-status.html>. Accessed: July 2019.

1.4.1 Project Design Features

The project includes a number of sustainability-oriented Project Design Features (PDFs) that are intended to move the project “beyond code.” Many of these PDFs are consistent with the City of San Diego Climate Action Plan (CAP) and its implementing CAP Consistency Checklist, as well as the City’s final draft of the Mission Valley Community Plan (MVCP). (See **Appendix A.**)

A subset of the PDFs has been quantitatively included in this analysis, while the remaining PDFs have not been quantified (due to modelling or other calculation-related limitations). PDFs that have been quantified in this report are:

TDM Program

The project’s Transportation Demand Management (TDM) Program incentivizes alternative transportation besides single commuter trips. The TDM Program consists of the following:

- Land Use Diversity
- Neighborhood Site Enhancement
 - New Bicycle Facilities
 - Dedicated Land for Bicycle/Multi-Use Trails
 - Bicycle Parking
 - Showers and Lockers in Employment Areas
 - Increased Intersection Density
 - Traffic Calming
 - Car Share Service Accommodations
 - Enhanced Pedestrian Network
- Parking Policy and Pricing
 - Unbundled Residential Parking
 - Metered On-Street Parking
 - Reduced Parking Supply
- Commute Trip Reduction Services
 - TDM Program Coordinator and Marketing
 - Electric Bike-Share Accommodations
 - Ridesharing Support
 - School Pool
 - Hotel Shuttle Service

The TDM Program strategies described above apply to the project’s campus office, residential and retail uses.

TDM Program strategies also have been developed exclusively for the project’s stadium land use that are not listed here, as they are not quantitatively accounted for in this analysis (see

below). For additional information on the project's TDM Program, with respect to both stadium and non-stadium uses, please see Fehr & Peers' Transportation Impact Analysis (2019) for the project.

Residential Hearths

The proposed project is incorporating a limited number of natural gas fireplaces, and no wood-burning fireplaces, within project residences. Of all residential units in the project, up to 5% of the units may include a natural gas fireplace.

Other PDFs with AQ benefits that have not been quantified in this report and only are considered qualitatively include:

Solar Photovoltaic (PV) Panels

The proposed project is incorporating solar PV panels on available roof space; the PV panels are estimated to create a total generation capacity equivalent to 10,819,478 kWh of electricity.

Electric Vehicle (EV)-Ready Infrastructure and EV Chargers

The project is equipping 3% of total residential parking spaces and 6% of total non-residential parking spaces with appropriate electric supply equipment to allow for the future installation of EV chargers (i.e., "EV ready"). Of these EV ready spaces, 50% will be equipped with EV charging stations. In total, approximately 500 spaces will be designated as "EV ready" and 252 of the "EV ready" spaces will be equipped with operable EV charging stations.

Additional PDFs that have not been quantified in this report include:

- The layout of the project's development areas has been designed to maximize the unique infill opportunity presented at this Mission Valley location. This includes benefits from the existing Metropolitan Transit System's Green Line transit station that runs through the project, as well as the planned Purple Line transit station.
- The mixed-use development locates buildings in close proximity to one another, which would facilitate the use of common heating/cooling sources, where feasible, as project-level development proceeds. (The use of common heating/cooling sources will be evaluated as the building plans for individual development parcels are developed; relevant factors that will influence the use of such sources include the temporal proximity of development, type of use, and market forces.)
- Project development areas would maximize natural ventilation.
- The proposed project would include adaptive lighting controls, where appropriate and feasible, in order to maximize energy efficiency and minimize light pollution.
- The proposed project would achieve LEED Version 4 at a Silver or better certification level, as well as a Neighborhood Development designation for sitewide design. LEED certification is based on standards that encourage the development of energy-efficient and sustainable buildings.
- Events at the proposed project's multipurpose stadium would benefit from the implementation of TDM Program strategies specifically developed for application to stadium-related events. These strategies focus on the use of alternative modes of

transportation, including transit, to reduce single-occupancy vehicle usage and parking demand on event days.

It also is noted that, in 2014, the California State University Board of Trustees adopted its Sustainability Policy.³ To the extent applicable, project-related development will comply with the principles and goals set forth in the CSU Sustainability Policy.

1.4.2 Mitigation Measures

This section describes the mitigation measures that would help reduce criteria air pollutant and toxic air contaminant emissions associated with project construction, as well as the project's potential to conflict with regional air quality plans.

1.4.2.1 Construction Mitigation Measures

MM-AQ-1 (Construction Emissions Minimization): The project shall comply with the following standards during the specified phases of construction activity:

Engine Requirements. At a minimum, all off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 3 emission standards for non-road diesel engines promulgated by the U.S. Environmental Protection Agency. During the site preparation and grading construction phases, off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 3 with a diesel particulate filter emission standards. Where feasible, off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 4 emission standards.

In addition, during the site preparation and grading construction phase, off-road diesel-powered construction equipment that are not Tier 4 shall be outfitted with diesel particulate filter Best Available Control Technology (BACT) devices certified by the California Air Resources Board (CARB), provided those devices are commercially available and: (1) achieve the standards of the California Division of Occupational Safety and Health (also known as Cal/OSHA); (2) are consistent with the construction equipment warranty requirements; (3) are compatible with equipment specifications of the construction equipment manufacturer; and (4) do not otherwise interfere with the proper functioning of the construction equipment. Any BACT devices used shall achieve emissions reductions equal to or greater than a Level 3 diesel emissions control strategy for a similarly-sized engine, as defined by CARB regulations, provided that the devices are commercially available and satisfy the four requirements enumerated above.

Idling Requirements. All diesel engines, whether for on-road or off-road equipment, shall not be left idling for more than five minutes, at any location, except as provided in exceptions to the applicable regulations adopted by CARB regarding idling for such equipment. The construction contractor(s) shall post legible and visible signs in English and Spanish, in designated queuing areas and at the construction site, to remind equipment operators of the five-minute idling limit.

Maintenance Instructions. The construction contractor(s) shall instruct construction workers and equipment operators on the maintenance and tuning of construction equipment, and shall require that such workers and operators properly maintain and tune equipment in accordance with manufacturer specifications.

Dust Control Plan. Prior to the commencement of construction, a dust control plan shall be prepared to minimize dust from construction-related sources, such as windblown storage piles, off-site tracking of dust, debris loading, and truck hauling of debris. This plan shall include the following requirements:

- Watering of exposed construction areas shall occur three times per day;
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered;
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour; and,
- A publicly visible sign shall be posted with the telephone number and person to contact regarding dust complaints. This person shall respond to such complaints and take corrective action, as needed, within 48 hours. The San Diego Air Pollution Control District's phone number shall also be visible to ensure compliance with applicable regulations.

Implosion Execution Plan. A blasting execution plan shall be prepared prior to any implosion event associated with the demolition of the existing stadium. The plan shall evaluate the feasibility of staged implosion to minimize dust generation and exposure, and shall require that implosion be scheduled during periods of low/no wind speeds. Additionally, an ambient air quality monitoring program shall be implemented as part of the plan, and proximate to the stadium, over the course of any implosion event to measure actual particulate matter concentrations. Finally, a public notification program shall be instituted, as part of the plan, prior to any implosion event. The public notification program shall include recommendations as to how to minimize exposure to implosion-related airborne dust.

1.4.2.2 Operation Mitigation Measures

MM-AQ-2 (Regional Air Quality Plans): Within six months of the certification of the Final EIR, CSU/SDSU shall provide SANDAG with population and employment projections for the project site, which should be used by: (i) SANDAG to update its regional growth projections; and, (ii) the SDAPCD to update the emission estimates and forecasts presented in its regional air quality plans. Use of the approved site-specific population and employment projections would allow regional planning data to more accurately reflect anticipated growth in the Mission Valley area.

2. ENVIRONMENTAL AND REGULATORY BACKGROUND

2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive people from illness or discomfort. Pollutants of concern include O₃, NO₂, carbon monoxide (CO), sulfur dioxide (SO₂), PM₁₀, PM_{2.5}, and lead. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. These pollutants are discussed in the following paragraphs.

2.1.1 Ozone

Ozone is a colorless gas that is formed in the atmosphere when volatile organic compounds (VOCs), sometimes referred to as reactive organic gases, and NO_x react in the presence of ultraviolet sunlight. O₃ is not a primary pollutant; it is a secondary pollutant formed by complex interactions of two pollutants directly emitted into the atmosphere. The primary sources of VOCs and NO_x, the precursors of O₃, are automobile exhaust and industrial sources. Meteorology and terrain play major roles in O₃ formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. Short-term exposures (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes.

2.1.2 Nitrogen Dioxide

Most NO₂, like O₃, is not directly emitted into the atmosphere but is formed by an atmospheric chemical reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO₂ are collectively referred to as NO_x and are major contributors to O₃ formation. The primary sources of NO, the precursor to NO₂, include automobile exhaust and industrial sources. High concentrations of NO₂ can cause breathing difficulties and result in a brownish-red cast to the atmosphere, causing reduced visibility. There is some indication of a relationship between NO₂ and chronic pulmonary fibrosis, and some increase in bronchitis in children (2 and 3 years old) has also been observed at concentrations below 0.3 parts per million by volume (ppm).

2.1.3 Carbon Monoxide

Carbon CO is a colorless and odorless gas formed by the incomplete combustion of fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the project location, automobile exhaust accounts for the majority of CO emissions. CO is a non-reactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions, primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, a typical situation at dusk in urban areas between November and February. The highest levels of CO typically occur during the colder months of the year when inversion conditions, where

a layer of warm air sits atop cool air, are more frequent and can trap pollutants close to the ground. In terms of health, CO competes with oxygen, often replacing it in the blood, thus reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can be dizziness, fatigue, and impairment of central nervous system functions.

2.1.4 Sulfur Dioxide

SO₂ is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. The main sources of SO₂ are coal and oil used in power plants and industries; as such, the highest levels of SO₂ are generally found near large industrial complexes. In recent years, SO₂ concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO₂ and limits placed on the sulfur content of fuels. SO₂ is an irritant gas that attacks the throat and lungs, and can cause acute respiratory symptoms and diminished ventilator function in children. SO₂ can also yellow plant leaves and erode iron and steel.

2.1.5 Particulate Matter

Particulate matter (PM) pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM_{2.5} and PM₁₀ represent fractions of particulate matter. Fine particulate matter, or PM_{2.5}, is roughly 1/28 the diameter of a human hair. PM_{2.5} results from fuel combustion (e.g., motor vehicles, power generation, and industrial facilities), residential fireplaces, and woodstoves. In addition, PM_{2.5} can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs. Inhalable or coarse particulate matter, or PM₁₀, is about one-seventh the thickness of a human hair. Major sources of PM₁₀ include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions.

PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the bloodstream, causing damage elsewhere in the body. Additionally, these substances can transport absorbed gases, such as chlorides or ammonium, into the lungs, also causing injury. Whereas PM₁₀ tends to collect in the upper portion of the respiratory system, PM_{2.5} is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Suspended particulates also damage and discolor surfaces on which they settle, as well as produce haze and reduce regional visibility.

2.1.6 Lead

Lead (Pb) in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline, the manufacturing of batteries, paint, ink, ceramics, ammunition, and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phase-out of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phase-out of leaded gasoline, secondary lead

smelters, battery recycling, and manufacturing facilities are becoming lead-emission sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth.

2.1.7 Sulfates

Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO₂ in the atmosphere. Sulfates can result in respiratory impairment, as well as reduced visibility.

2.1.8 Vinyl Chloride

Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

2.1.9 Hydrogen Sulfide

Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

2.1.10 Visibility-Reducing Particles

Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the view shed of natural scenery, reduced airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for PM_{2.5} described above.

2.2 Non-Criteria Air Pollutants

2.2.1 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced either on short-term (acute) or long-term (chronic) exposure to a given TAC.

2.2.2 Diesel Particulate Matter

Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. CARB classified "particulate emissions from diesel-fueled engines" (DPM; 17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars, and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000).

2.3 Regulatory Setting

2.3.1 Federal and State Ambient Air Quality Standards for Criteria Air Pollutants

The Federal Clean Air Act (CAA) requires the adoption of NAAQS, which are periodically updated, to protect the public health and welfare from the effects of air pollution. Current federal standards are set for SO₂, CO, NO₂, O₃, PM₁₀, PM_{2.5}, and Lead (Pb).⁴

The State of California also has established additional standards, known as the CAAQS, which are generally more restrictive than the NAAQS. The current NAAQS and CAAQS are shown in **Table 2-1**.

Specific geographic areas are classified as either "attainment" or "non-attainment" areas for each pollutant based upon the comparison of measured data with the NAAQS and CAAQS. Those areas designated as "non-attainment" for purposes of NAAQS compliance are required to prepare regional air quality plans, which set forth a strategy for bringing an area into compliance with the standards. These regional air quality plans developed to meet federal requirements are included in an overall program referred to as the State Implementation Plan (SIP). If the SIP is deemed acceptable, the United States Environmental Protection Agency (USEPA) will delegate responsibility for implementation pursuant to the SIP to the State and/or its air districts therein.

Whenever the USEPA revises or establishes a new NAAQS, the State and the USEPA have specific obligations to ensure that the NAAQS is met.⁵ These are listed below:

- The USEPA must designate areas as meeting (attainment areas) or not meeting (non-attainment areas) the NAAQS within two years after its promulgation.
- States must submit "infrastructure SIPs" to show that they have the basic air quality management program components in place to implement the NAAQS within three years after its promulgation.
- States must submit non-attainment area SIPs that outline the strategies and emission control measures that will improve air quality and make the area meet the NAAQS within 18 to 36 months after designation.

⁴ NAAQS. Available at: <https://www.epa.gov/criteria-air-pollutants/naaqs-table>. Accessed: July 2019.

⁵ USEPA. NAAQS Implementation Process. Available at: <https://www.epa.gov/criteria-air-pollutants/naaqs-implementation-process>. Accessed: July 2019.

The steps involved in the SIP process are described below.⁶

- SIPs must be developed with public input and be formally adopted by the State and submitted to the USEPA by the Governor's designee (CARB in California).
- The USEPA reviews each SIP and proposes to approve or disapprove all or part it. The public is then provided with an opportunity to comment on the USEPA's proposed action. The USEPA considers public input before taking final action on a State's plan.
- If the USEPA approves all or part of a SIP, those control measures are enforceable in federal court. In the event a State fails to submit an approvable SIP or if the USEPA disapproves a SIP, the USEPA is required to develop a Federal Implementation Plan.

Table 2-2 summarizes the attainment status of San Diego County for the pollutants regulated by the NAAQS and CAAQS.⁷ As seen in **Table 2-2**, San Diego County is currently in attainment (or unclassified or maintenance) for: the federal 1-hour O₃ standard, federal PM_{2.5} standard, the federal and State CO standards, the federal and State NO₂ standards, the federal and State SO₂ standards, the federal and state lead standards, and the State visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride standards. However, as also shown in **Table 2-2**, San Diego County is currently designated as nonattainment for the State 1-hour O₃ standard, the federal and State 8-hour O₃ standards, the State PM₁₀ standards, and the State PM_{2.5} standard.^{8, 9, 10}

2.3.2 Federal Hazardous Air Pollutants Program

The 1977 CAA Amendments required the USEPA to identify National Emissions Standards for Hazardous Air Pollutants (NESHAPs) to protect the public health and welfare. Hazardous air pollutants include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA Amendments, which expanded the control program for hazardous air pollutants, 189 substances and chemical families were identified as hazardous air pollutants.

2.3.3 California's Air Toxics Program

The state Air Toxics Program was established in 1983 under Assembly Bill (AB) 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and non-carcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) hazardous air pollutants.

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not reduce the quantity of air toxics emissions. Instead, under AB 2588, TAC emissions from individual

⁶ USEPA. State Implementation Plan Development Process. Available at: <https://www.epa.gov/criteria-air-pollutants/naaqs-implementation-process>. Accessed: July 2019.

⁷ USEPA. Non-attainment Areas for Criteria Pollutants (Green Book). Available at: <https://www.epa.gov/green-book>. Accessed: July 2019.

⁸ USEPA. Non-attainment Areas for Criteria Pollutants (Green Book). Available at: <https://www.epa.gov/green-book>. Accessed: July 2019.

⁹ California standard attainment status based on CARB website. Available at: <http://www.arb.ca.gov/desig/adm/adm.htm>. Accessed: July 2019.

¹⁰ SDAPCD Attainment status. Available at: <https://www.sdapcd.org/content/sdc/apcd/en/air-quality-planning/attainment-status.html>. Accessed July 2019.

facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. The plan is anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There also are several Airborne Toxic Control Measures that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

2.3.4 California Health and Safety Code Section 41700

This section of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

2.3.5 Federal Heavy-duty Engines and Vehicles Fuel Efficiency Standards

On August 9, 2011, the USEPA and the National Highway Traffic Safety Administration (NHTSA) announced fuel economy and GHG standards for medium- and heavy-duty trucks. USEPA and NHTSA have adopted standards for carbon dioxide (CO₂) emissions and fuel consumption, respectively, tailored to each of three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles.

The implementation of this program was adopted in two phases. Phase 1 was adopted in 2011, which applied to vehicles from model year 2014-2018.¹¹ This phase was intended to reduce fuel use and GHG emissions from medium and heavy-duty vehicles, semi-trucks, pickup trucks and vans, and all work trucks and buses. According to USEPA, this program will reduce GHG emissions and fuel consumption for affected vehicles by 9 percent to 23 percent over the 2010 baselines. Phase 2 was adopted in 2016 for medium- and heavy-duty trucks for model years 2018 and beyond.¹² This phase was intended to include technology-advancing standards that substantially reduce GHG emissions and fuel consumption resulting in an ambitious, yet achievable, program that will allow manufacturers to meet the applicable standards over time, at reasonable cost, through a mix of different technologies. For semi-trucks, large pickup trucks, vans, and other trucks, phase 2 standards will be phased in beginning with model year 2021 and culminating with model year 2027. While this

¹¹ USEPA, Office of Transportation and Air Quality. 2011. Available at: <https://www.gpo.gov/fdsys/pkg/FR-2011-09-15/pdf/2011-20740.pdf>. Accessed: July 2019.

¹² USEPA, Office of Transportation and Air Quality. 2016. Available at: <https://www.govinfo.gov/content/pkg/FR-2016-10-25/pdf/2016-21203.pdf>. Accessed: July 2019.

regulation focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.

The emissions reductions for Phase 1 of this regulation were included in the project emissions inventory; however, the emission reductions from Phase 2 were not included due to difficulty in quantifying the reductions from Phase 2 consistent with other analysis assumptions. Excluding these reductions results in a more conservative (i.e., higher) project emissions inventory.

2.3.6 California's Pavley Standards

AB 1493 ("the Pavley Standard" or AB 1493) required CARB to adopt regulations by January 1, 2005, to reduce GHG emissions from non-commercial passenger vehicles and light-duty trucks of model year 2009 through 2016.

CARB's approach to passenger vehicles (cars and light trucks), under AB 1493, combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. This new approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero-emission vehicles in California. These standards will apply to all passenger and light-duty trucks used by customers, employees of and deliveries to the proposed project. While AB 1493 focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.

2.3.7 California's Advanced Clean Cars

In January 2012, CARB approved the Advanced Clean Cars (ACC) program,¹³ a new emissions-control program for model year 2017 through 2025. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of zero-emission vehicles. By 2025, when the rules will be fully implemented, the new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions. While ACC focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.

2.3.8 California's Diesel Emissions Control Measures

CARB has adopted a number of Airborne Toxic Control Measures (ATCMs) to control diesel particulate emissions and emissions from in-use on- and off-road diesel-fueled vehicles. With the assistance of the Advisory Committee and its subcommittees, CARB developed and approved the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*¹⁴ and the *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines*.¹⁵ Various control measures adopted by CARB to reduce diesel emissions are summarized below.

2.3.8.1 ATCM: School Bus Idling

This Airborne Toxic Control Measure (ATCM) limits school bus idling and idling at or near schools. School bus, transit bus, and commercial motor vehicle drivers are required to turn

¹³ Advanced Clean Cars Program. Available at: <https://ww2.arb.ca.gov/index.php/our-work/programs/advanced-clean-cars-program>. Accessed: July 2019.

¹⁴ CARB. 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. Available at: <https://www.arb.ca.gov/diesel/documents/rrpfinal.pdf>. Accessed: July 2019.

¹⁵ CARB. California's Diesel Risk Reduction Plan: Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines. Available at: <https://www.arb.ca.gov/diesel/documents/rmg.htm>. Accessed: July 2019.

off the engine upon arriving at a school, and restart it no more than 30 seconds before departing. School bus drivers also are prohibited from idling more than 5 minutes at locations beyond schools, such as at school bus stops or school activity destinations.¹⁶ While this ATCM focuses on the reduction of diesel particulate emissions as a toxic, this regulation would also help reduce criteria air pollutants.

2.3.8.2 ATCM: Diesel-Fueled Commercial Motor Vehicle Idling

This ATCM applies to diesel-fueled commercial motor vehicles with gross vehicular weight ratings of greater than 10,000 pounds that are or must be licensed for operation on highways. The measure limits idling of trucks to a maximum of 5 minutes, except when the vehicle is queuing.¹⁷ While this ATCM focuses on the reduction of diesel particulate emissions as a toxic, this regulation would also help reduce criteria air pollutants.

2.3.8.3 ATCM: Stationary Compression Ignition Engines

This ATCM establishes emission standards and fuel use requirements for new and in-use stationary engines used in prime and emergency back-up applications (non-agricultural) and for new stationary engines used in agricultural applications.¹⁸ While this ATCM focuses on the reduction of diesel particulate emissions as a toxic, this regulation would also help reduce criteria air pollutants.

2.3.9 In-Use Off-Road Diesel-Fueled Fleets

These regulations reduce diesel PM and NO_x emissions from in-use, off-road heavy-duty diesel vehicles in California. Such vehicles typically are used in construction, mining, and industrial operations. The regulations, among other requirements, impose limits on idling; require all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; restrict the adding of older vehicles into fleets; and, require fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (VDECS) (i.e., exhaust retrofits).

¹⁶ 13 CCR 2480: Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools. Available at: [https://govt.westlaw.com/calregs/Document/IA7475EA05F7C11DFBF66AC2936A1B85A?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e000001605117b95018257af9%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d\(sc.Default\)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=\(sc.Search\)&t_T1=13&t_T2=2480&t_S1=CA+ADC+s](https://govt.westlaw.com/calregs/Document/IA7475EA05F7C11DFBF66AC2936A1B85A?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e000001605117b95018257af9%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d(sc.Default)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=(sc.Search)&t_T1=13&t_T2=2480&t_S1=CA+ADC+s). Accessed: July 2019.

¹⁷ 13 CCR 2485: Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling. Available at: [https://govt.westlaw.com/calregs/Document/I6DACC2EF0D6441DDA5B788DFEDCD1A22?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Document/I6DACC2EF0D6441DDA5B788DFEDCD1A22?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)). Accessed: July 2019.

¹⁸ 17 CCR 93115: Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines. Available at: [https://govt.westlaw.com/calregs/Document/I32577B50D60811DE88AEDDE29ED1DC0A?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e00000160511f23fc18257bb0%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d\(sc.Default\)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=\(sc.Search\)&t_T1=17&t_T2=93115&t_S1=CA+ADC+s](https://govt.westlaw.com/calregs/Document/I32577B50D60811DE88AEDDE29ED1DC0A?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e00000160511f23fc18257bb0%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d(sc.Default)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=(sc.Search)&t_T1=17&t_T2=93115&t_S1=CA+ADC+s). Accessed: July 2019.

The requirements and compliance dates of the regulations vary by fleet size. Large fleets have compliance deadlines each year from 2014 through 2023, medium fleets each year from 2017 through 2023, and small fleets each year from 2019 through 2028.¹⁹

2.3.10 In-Use On-Road Diesel-Fueled Fleets

These regulations require diesel trucks and buses to be upgraded to reduce emissions; newer heavier trucks and buses must meet PM filter requirements; lighter and older heavier trucks must be replaced; and, by January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent.

The regulation applies to nearly all privately- and federally-owned diesel-fueled trucks and buses, and to privately- and publicly-owned school buses with a gross vehicle weight rating greater than 14,000 pounds. The regulation provides a variety of flexibility options tailored to fleets operating low use vehicles, fleets operating in selected vocations like agricultural and construction, and small fleets of three or fewer trucks.

2.3.11 Local Regulations and Guidance

Air pollution often does not conform to city and/or county jurisdictional boundaries, and the State has been divided into air basins based on geographical and meteorological conditions. Air pollution within each air basin is regulated by the regional air pollution control districts/air quality management districts, in a manner that is consistent with and in furtherance of standards adopted by the USEPA and CARB. The project site is located within the SDAB and the jurisdictional boundaries of the District.

2.3.11.1 San Diego Air Pollution Control District

District Rules and Regulations

While CARB is responsible for the regulation of mobile emission sources within the state, local Air Quality Management Districts (AQMDs) and Air Pollution Control Districts (APCDs) are responsible for enforcing standards and regulating stationary sources. The project site is located within the SDAB and is subject to the guidelines and regulations of the SDAPCD.

In San Diego County, O₃ and particulate matter are the pollutants of main concern, as exceedances of AAQS for those pollutants are experienced here in most years. For this reason, the SDAB has been designated as a nonattainment area for the federal 8-hour O₃ standard, and the State 1-hour and 8-hour O₃, PM₁₀, and PM_{2.5} standards.

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The Regional Air Quality Strategy (RAQS) was initially adopted in 1991, and is updated on a triennial basis, most recently in 2016.²⁰ The RAQS outlines SDAPCD's plans and control measures designed to attain the state air quality

¹⁹ 13 CCR 2449: General Requirements for In-Use Off-Road Diesel-Fueled Fleets. Available at: [https://govt.westlaw.com/calregs/Document/ID1C693E02DDD11E197D9B83B68A61150?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e00001605120fcc918257bd2%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d\(sc.Default\)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=\(sc.Search\)&t_T1=13&t_T2=2449&t_S1=CA+ADC+s](https://govt.westlaw.com/calregs/Document/ID1C693E02DDD11E197D9B83B68A61150?originationContext=Search+Result&listSource=Search&viewType=FullText&navigationPath=Search%2fv3%2fsearch%2fresults%2fnavigation%2fi0ad62d2e00001605120fcc918257bd2%3fstartIndex%3d1%26Nav%3dREGULATION_PUBLICVIEW%26contextData%3d(sc.Default)&rank=1&list=REGULATION_PUBLICVIEW&transitionType=SearchItem&contextData=(sc.Search)&t_T1=13&t_T2=2449&t_S1=CA+ADC+s). Accessed: July 2019.

²⁰ SDAPCD. 2016. 2016 Revision of the Regional Air Quality Strategy for San Diego County. Available at: <https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/2016%20RAQS.pdf>. Accessed: July 2019.

standards (CAAQS) for O₃. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, and information regarding projected growth in the cities and San Diego County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the cities and San Diego County as part of the development of their general plans.

The Eight-Hour Ozone Attainment Plan for San Diego County identifies local controls and state projects designed to bring the region into attainment with the federal 1997 8-hour O₃ standard (NAAQS).²¹ In this plan, SDAPCD relies on the RAQS to demonstrate how the region will comply with the federal O₃ standard. The RAQS details how the region will manage and reduce O₃ precursors (NO_x and VOCs) by identifying measures and regulations intended to reduce these contaminants. The control measures identified in the RAQS generally focus on stationary sources; however, the emissions inventories and projections in the RAQS address all potential sources, including those under the authority of CARB and the USEPA. Incentive projects for reduction of emissions from heavy-duty diesel vehicles, off-road equipment, and school buses are also established in the RAQS. According to the Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County, the SDAB was classified as a non-attainment area in 2012 for the 1997 8-hour standard based on data from 2001-2003.²² This plan demonstrates the region's attainment of the 1997 O₃ NAAQS and outlines the plan for maintaining attainment status.

In December 2005, SDAPCD prepared a report titled Measures to Reduce Particulate Matter in San Diego County to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM₁₀ and PM_{2.5}).²³ In the report, SDAPCD evaluated the implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carryout and trackout removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust.

As stated earlier, the SDAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SDAB. The following rules and regulations apply to all sources in the jurisdiction of SDAPCD:

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- ²¹ SDAPCD. 2007. Eight-hour Ozone Attainment Plan for San Diego County. Available at: <https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/8-Hour-O3-Attain-Plan.pdf>. Accessed: July 2019.
- ²² ARB. 2012. Staff Report. Analysis of the San Diego County Air Pollution Control District 2012 Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard. Available here: <https://www.arb.ca.gov/planning/sip/planarea/sansip/sr1115.pdf>. Accessed: July 2019.
- ²³ SDAPCD. 2005. Measures to Reduce Particulate Matter in San Diego County. Available at: <https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/PM-Measures.pdf>. Accessed: July 2019.

Regulation II: Permits

Regulation II (Rules 10-27.1) contains a series of rules covering permitting requirements within the SDAB.

Rule 50: Visible Emissions

Prohibits the discharge, from any single source of emissions, any air contaminant that aggregates for more than three minutes in any period of 60 consecutive minutes, which is darker in shade than that designated as Number 1 on the Ringelmann Chart, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart.²⁴

Rule 51: Nuisance

Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property.²⁵

Rule 55: Fugitive Dust Control

Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site.²⁶

Rule 67.0.1: Architectural Coating

Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.²⁷

Rule 67.7: Cutback and Emulsified Asphalts

Rule 67.7 applies to the application and sale of cutback and emulsified asphalt for paving, construction, or maintenance of parking lots, driveways, streets and highways.

Stationary Source Permitting

The SDAPCD has New Source Review Rules, which include non-major and major stationary sources as well as portable emission units.

²⁴ SDAPCD. 1997. Rule IV Visible Emissions. Available at:
https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R50.pdf.
Accessed: July 2019.

²⁵ SDAPCD. 1976. Rule 51 Nuisance. Available at:
https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R50-1-51.pdf.
Accessed: July 2019.

²⁶ SDAPCD. 2009. Rule 55 Fugitive Dust Control. Available at:
https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R55.pdf.
Accessed: July 2019.

²⁷ SDAPCD. 2016. Rule 67.0.1 Architectural Coatings. Available at:
https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R67-0-1.pdf.
Accessed: July 2019.

Health Risk Assessment (HRA) Guidelines

OEHHA's Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments²⁸ (OEHHA Guidance Manual) is considered the most current and comprehensive set of methodological guidelines in California for conducting HRAs. While SDAPCD has currently not published any guidelines or protocols for evaluating the health risk impacts of major roadways on adjacent land uses, SDAPCD's Supplemental HRA Guidelines²⁹ add to the OEHHA Guidance Manual by addressing the specific modeling and user default options for the risk evaluation incorporated into the Hot Spots Analysis and Reporting Program (HARP) developed by CARB, OEHHA, and the California Air Pollution Control Officers Association (CAPCOA). Further, SDAPCD's Rule 1210 (Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction), which applies to stationary sources, establishes public notification thresholds for incremental cancer and non-cancer health impacts. As stated in the San Diego Air Pollution Control District's (SDAPCD) Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRA Supplemental Guidelines),³⁰ the SDAPCD has established public health risk notification requirements under Rule 1210,³¹ which include a maximum incremental cancer risk of 10 in a million or greater, cancer burden of equal to or greater than 1.0, and incremental chronic/acute hazards indices of 1.0 or greater. This guidance establishes procedures for evaluating health risks.

2.3.11.2 City of San Diego Municipal Code

As a state agency, CSU/SDSU is not subject to local land use regulatory/planning documents, ordinances, regulations, policies, rules, fees, or exactions such as those described herein. However, CSU is willing to purchase the project site pursuant to the framework set forth in SDMC Section 22.0908 and the Purchase and Sale Agreement, in order to implement the overriding purpose of the proposed project. In addition, CSU will evaluate the proposed project's consistency with adopted, applicable state and federal regulatory/planning documents; and, though not required by law, CSU also will consider the proposed project's consistency with adopted, applicable local regulatory/planning documents.

With that introduction, the San Diego Municipal Code addresses air quality and odor impacts at Chapter 14, Article 2, Division 7 paragraph 142.0710, "Air Contaminant Regulations" which states: "Air contaminants including smoke, charred paper, dust, soot, grime, carbon, noxious acids, toxic fumes, gases, odors, and particulate matter, or any emissions that

²⁸ OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available at: http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: May 2019.

²⁹ SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: May 2019.

³⁰ SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: May 2019.

³¹ SDAPCD. 2018. Rule 1210. Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction. July. Available at: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf. Accessed: May 2019.

endanger human health, cause damage to vegetation or property, or cause soiling shall not be permitted to emanate beyond the boundaries of the premises upon which the use emitting the contaminants is located.”³²

2.3.11.3 City of San Diego General Plan

Table CE-1, Issues Related to Climate Change Addressed in the General Plan, which is located in the Conservation Element of the City of San Diego’s General Plan³³, identifies multiple City policies that seek to improve local air quality. Concepts identified in Table CE-1 of the City’s General Plan include, but are not limited to, its overall City of Villages Strategy; creating walkable communities that utilize transit, bicycling and transportation demand management; the use of sustainable energy resources; and water resource and waste management.

2.3.11.4 Mission Valley Community Plan

The Mission Valley Community Plan (MVCP) is intended to be a blueprint for future development in Mission Valley, where the proposed project is located. The final draft of the MVCP Update was released on May 31, 2019.³⁴ The MVCP contains Design Guidelines and Policies for Development to implement the City’s CAP, maximize transit ridership, and increase mobility options, among others.

³² City of San Diego. Municipal Code. Available at: <https://www.sandiego.gov/city-clerk/officialdocs/municipal-code>. Accessed: July 2019.

³³ City of San Diego. 2008. *City of San Diego General Plan*. Adopted March 10, 2008. Available at: <https://www.sandiego.gov/planning/genplan#genplan>. Accessed: July 2019.

³⁴ Mission Valley Community Plan. Final Draft. 2019. Available at: <https://www.sandiego.gov/planning/community/cpu/missionvalley>. Accessed: July 2019.

3. SIGNIFICANCE THRESHOLDS

3.1 California Environmental Quality Act Guidelines

The analysis provided in this report evaluates the significance of the project's criteria air pollutant emissions by reference to the following questions from Section III, Air Quality, of Appendix G of the California Environmental Quality Act (CEQA) Guidelines³⁵:

- Threshold 1.** Would the project conflict with or obstruct implementation of the applicable air quality plan?
- Threshold 2.** Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?
- Threshold 3.** Would the project expose sensitive receptors to substantial pollutant concentrations?
- Threshold 4.** Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

An evaluation of the project based on the significance thresholds discussed below is provided in subsequent sections.

3.2 San Diego County Air Pollution Control District Thresholds

As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources.³⁶ The SDAPCD sets forth quantitative emission thresholds below which a stationary source would not have a significant impact on ambient air quality (**Table 3-1**). While Rule 20.2 is specifically related to New Source Review for Non-Major Stationary Sources as part of the SDAPCD permitting process and this project does not require such permits, the SDAPCD has not provided specific criteria for determining significance of mixed-use developments.

In the absence of criteria specific to mixed-use developments, the SDAPCD thresholds represent screening-level thresholds that can be used to evaluate whether project-related emissions would cause a significant impact on air quality. Emissions below the screening-level thresholds would not cause a significant impact. In the event that emissions exceed these thresholds, modeling would be required to demonstrate that the project's total air quality impacts result in ground-level concentrations that are below the CAAQS and NAAQS, including appropriate background levels. For nonattainment pollutants, if emissions exceed the thresholds, the project could have the potential to result in a cumulatively considerable net increase in these pollutants and thus could have a significant impact on the ambient air quality.

SDAPCD Rule 51 (Public Nuisance) prohibits emission of any material that causes nuisance to a considerable number of persons or endangers the comfort, health, or safety of any

³⁵ California Natural Resources Agency. 2018. Appendix G of the CEQA Guidelines. Available at: http://resources.ca.gov/ceqa/docs/2018_CEQA_FINAL_TEXT_122818.pdf. Accessed: July 2019.

³⁶ SDAPCD. 2018. Rule 20.2 New Source Review Non-Major Stationary Sources. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf. Accessed July 2019.

person.³⁷ A project that involves a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

3.3 City of San Diego Significance Determination Thresholds

The City has adopted Significance Determination Thresholds to assist in determining whether, based on substantial evidence, a project may have a significant effect on the environment under CEQA.³⁸ The City's thresholds were adopted in 2016 and were consistent with the thresholds contained in Appendix G of CEQA Guidelines at that time, with the addition of the following threshold:

- Release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located.³⁹

These thresholds will be addressed through evaluation of the Appendix G criteria summarized above.

3.4 Project Approach to Significance

This report, relative to threshold 1, evaluates the project for consistency with applicable plans related to emissions, including the RAQS. This report, relative to threshold 2, quantifies the project's emissions during construction and operations and compares those results to the applicable SDAPCD thresholds. This report, relative to threshold 3, assesses the potential health risk impacts to sensitive receptors, including a construction-related health risk assessment and CO hotspots analysis. The construction health risk assessment evaluates the health risk impacts of construction-related activities as compared to the applicable public health risk notification requirements under Rule 1210⁴⁰. The CO hotspots analysis evaluated ambient air quality concentrations at receptors in the vicinity of impacted traffic intersections to the applicable state and federal ambient air quality standards. This report, relative to threshold 4, evaluates the potential for odor-generating activities from the project.

³⁷ SDAPCD. 1976. NSPS and NESHAPS Visible Emissions Requirements. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Prohibitions/APCD_R50-1-51.pdf. Accessed: July 2019.

³⁸ City of San Diego. 2016. Significance Determination Thresholds. Available at: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed July 2019.

³⁹ San Diego Municipal Code, Chapter 14, Article 2, Division 7, — Off-Site Development Impact Regulations paragraph 142.0710 — Air Contaminant Regulations, which states: "Air contaminants including smoke, charred paper, dust, soot, grime, carbon, noxious acids, toxic fumes, gases, odors, and particulate matter, or any emissions that endanger human health, cause damage to vegetation or property, or cause soiling shall not be permitted to emanate beyond the boundaries of the premises upon which the use emitting the contaminants is located" (Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000).

⁴⁰ SDAPCD. 2018. Rule 1210. Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction. July. Available at: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf. Accessed: July 2019.

4. AIR QUALITY EMISSIONS INVENTORY FOR PROJECT WITHOUT DESIGN FEATURES AND MITIGATION MEASURES AND EXISTING CONDITION

This section describes the methodology that Ramboll US Corporation (Ramboll) used to develop the criteria air pollutant emission inventories associated with the project, which include one-time, construction-related emissions and annual operational emissions. Emissions presented in this section do not include the PDFs as described in **Section 1.4.1** or mitigation measures as described in **Section 1.4.2**. The operational emissions are quantified for the project's buildout year (i.e., 2037) and existing condition (i.e., 2018). Sub-categories of operational emissions include: **area sources, energy use, and mobile sources**. **Table 1-1** summarizes the land uses for the project and the related modeling terminology at full build-out.

4.1 Resources

4.1.1 California Emission Estimator Model®

Ramboll primarily utilized the CalEEMod® version 2016.3.2⁴¹ to assist in quantifying the criteria air pollutant emissions in the inventories presented in this report for the project. CalEEMod® provides a platform to calculate both construction emissions and operational emissions from a land use development project. It calculates both the daily maximum and annual average for criteria pollutants as well as total or annual GHG emissions. The model also provides default values for water and energy use. Specifically, the model aids the user in the following calculations:

- One-time short-term construction emissions associated with site preparation, demolition, grading, utility installation, building, coating, and paving from off-road construction equipment, and on-road mobile equipment associated with workers, vendors, and hauling.
- Operational emissions associated with the fully built out land use development, such as on-road mobile vehicle traffic generated by the land uses, off-road emissions from landscaping equipment, natural gas usage in the buildings, electricity usage in the buildings, water usage by the land uses, and solid waste disposal by the land uses.

CalEEMod® is a statewide program designed to calculate both criteria pollutant and GHG emissions from development projects in California. This model was developed under the auspices of the South Coast Air Quality Management District (SCAQMD), with input from other California air districts and received input from other California air districts, and is currently supported by numerous lead agencies for use in quantifying the emissions associated with development projects undergoing environmental review. CalEEMod® utilizes widely accepted models for emission calculations combined with appropriate default data that can be used if site-specific information is not available. These models and defaults use sources such as the USEPA AP-42 emission factors,⁴² CARB's on-road and off-road equipment

⁴¹ SCAQMD. 2018. California Emissions Estimator Model®. Available at: <http://www.CalEEMod.com/>. Accessed: July 2019.

⁴² The USEPA maintains a compilation of Air Pollutant Emission Factors and process information for several air pollution source categories. The data is based on source test data, material balance studies, and engineering

emission models such as the Emission FACTor model (EMFAC) and the Emissions Inventory Program model (OFFROAD), and studies commissioned by California agencies such as the California Energy Commission (CEC) and CalRecycle.

As mentioned above, CalEEMod[®] is based upon the CARB-approved OFFROAD and EMFAC models. OFFROAD⁴³ is an emission factor model used to calculate emission rates from off-road mobile sources (e.g., construction equipment, agricultural equipment). The off-road diesel emission factors used by CalEEMod[®] are based on the CARB OFFROAD2011 program. EMFAC is an emission factor model used to calculate emissions rates from on-road vehicles (e.g., passenger vehicles). The emission factors used by CalEEMod[®] are based on the CARB EMFAC2014 program.^{44, 45}

In addition, CalEEMod[®] contains default values and existing regulation methodologies to use in each specific local air district region. Appropriate statewide default values can be utilized if regional default values are not defined. Ramboll used default factors for San Diego county area (within the District's jurisdiction) for the emissions inventory, unless otherwise noted in the methodology descriptions below.

4.1.2 Other Resources

Ramboll directly or indirectly relied on emissions estimation guidance from government-sponsored organizations, government-commissioned studies of energy use patterns, project-specific studies (e.g., Fehr and Peers Transportation Impact Analysis⁴⁶), and emission estimation software as described above. In cases noted below, third-party studies were also relied upon to support analyses and assumptions made outside of the approach described above.

Details regarding the specific methodologies used by CalEEMod[®] can be found in the CalEEMod[®] User's Guide and associated appendices.⁴⁷ The CalEEMod[®] output files are provided for reference in **Appendix B** of this report.

4.2 Unmitigated Construction Emissions

This section describes the calculation of criteria air pollutant emissions from construction activities at the project site. While the exact construction schedule and equipment mix may vary from the current analysis, the emissions are not expected to be higher than that calculated given the conservative assumptions included in this analysis. The proposed plan for constructing the project is shown in **Table 4-1a**. The major construction phases included in this analysis are:

- Demolition: involves tearing down of buildings or structures.

estimates. Available at: <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>. Accessed: July 2019.

⁴³ CARB. 2011. Off Road Mobile Source Emission factors. Available at: <http://www.arb.ca.gov/msei/msei.htm>. Accessed: July 2019.

⁴⁴ CARB. 2015. Mobile Source Emissions Inventory. Available at: <https://www.arb.ca.gov/msei/categories.htm>. Accessed: July 2019.

⁴⁵ EMFAC 2014 was used for consistency with CalEEMod2016.3.2.

⁴⁶ Fehr & Peers. 2019. Transportation Impact Analysis of the SDSU Mission Valley Campus Master Plan Project in San Diego, California.

⁴⁷ SCAQMD. 2018. California Emissions Estimator Model User's Guide. Version 2016.3.2. Available at: <http://www.CalEEMod.com/>. Accessed: July 2019.

- Grading: involves the cut and fill of land to ensure the proper base and slope for the construction foundation.
- Paving: involves the laying of concrete or asphalt such as in parking lots or roads.
- Building Construction: involves the construction of structures and buildings.
- Architectural Coating: involves the application of coatings to both the interior and exterior of buildings or structures.
- Off-site Improvements: involves the construction of off-site improvements.

Criteria air pollutant emissions from these construction phases are largely attributable to fuel use from construction equipment and worker commuting vehicles, and fugitive dust from construction activities.⁴⁸

Ramboll primarily used CalEEMod[®] version 2016.3.2 and post-processing calculations to quantify the construction emissions. The construction schedule and off-road equipment list are project-specific estimates; the off-road equipment specifications are based on model defaults. The modeled construction schedule is shown in **Table 4-1a**.

The construction-related equipment mix assumptions are shown in **Table 4-1b**. **Table 4-1c** presents the project-specific worker, vendor, and hauling trips for 2020-2023, while **Table 4-1d** includes CalEEMod[®] default worker and vendor trips for 2024-2037. The project-specific demolition waste volumes are shown in **Table 4-1e**. The project construction emissions were modeled in CalEEMod[®] (see **Appendix B-1 and Appendix B-2**) and post-processed (see **Appendix C**) to determine the maximum day emissions in each year of construction.

4.2.1 Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length, and on-road vehicle trips and phase length.

Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod[®] assumes all of the equipment operates on diesel fuel. The calculations associated with this screen include the running exhaust emissions from off-road equipment. Since the equipment is assumed to be diesel, there are no starting emissions associated with the equipment, as these are *de minimis* for diesel-fueled equipment. CalEEMod[®] calculates the exhaust emissions based on CARB's OFFROAD2011 methodology using the equation presented below.⁴⁹

$$\text{Emissions}_{\text{Diesel}} = \sum_i (EF_i \times \text{Pop}_i \times \text{AvgHP}_i \times \text{Load}_i \times \text{Activity}_i)$$

⁴⁸ In addition to the worker and vendor trips, haul truck trips are conservatively included in the grading phase to account for the truck trips hauling material.

⁴⁹ SCAQMD. 2017. California Emissions Estimator Model[®] User's Guide, Appendix A. Available at: <http://www.CalEEMod.com/>. Accessed: July 2019.

Where:

- EF = Emission factor in grams per horsepower-hour (g/bhp-hr) as processed from OFFROAD2011
- Pop = Population, or the number of pieces of equipment
- AvgHp = Maximum rated average horsepower
- Load = Load factor
- Activity = Hours of operation
- i = equipment type

Project construction would include temporary on-site grinding equipment during demolition. The combustion emissions from this equipment were calculated using CalEEMod®; the fugitive dust emissions from this equipment were calculated using AP-42 emissions factors (see **Table C-1a** and **Table C-1b** in **Appendix C**).

Watering exposed areas two times per day is assumed to be consistent with SDAPCD Rule 55, which is discussed above in **Section 2.3.11.1**. Accordingly, a 55% reduction is applied to PM₁₀ and PM_{2.5} fugitive dust emissions.

4.2.2 Emissions from On-Road Construction Trips

Construction generates on-road vehicle criteria air pollutant emissions from personal vehicles for worker and vendor commuting, and trucks for soil and material hauling. These emissions are based on the number of trips and vehicle miles traveled (VMT) along with emission factors from EMFAC2014. A large portion of the demolition material will be recycled and reused on the project site; a smaller portion will be diverted to re-use facilities, with the remainder transferred to waste disposal facilities. The total amount of material that will not be used on-site (i.e., the demolition material that will either be diverted to re-use facilities or to waste disposal facilities) requires hauling trips. Project-specific hauling trip rates for soil and material handling are shown in Table 4-1c. Construction of the project is expected to generate 114,680 total hauling trips during the grading and demolition phases.

The emissions from mobile sources were calculated in CalEEMod® with the trip rates, trip lengths, and emission factors for running from EMFAC2014 as follows:⁵⁰

$$\text{Emissions}_{\text{pollutant}} = \text{VMT} * \text{EF}_{\text{running, pollutant}}$$

Where:

- Emissions_{pollutant} = emissions from vehicle running for each pollutant
- VMT = vehicle miles traveled
- EF_{running, pollutant} = emission factor for running emissions

Starting and idling emissions were also calculated in CalEEMod® by multiplying the number of trips by the respective emission factor for each pollutant. Project-specific on-road construction trip emissions were calculated independently using CalEEMod® derived emission factors. A separate CalEEMod® run (see **Appendix B-3**) was conducted to determine the

⁵⁰ SCAQMD. 2017. California Emissions Estimator Model® User’s Guide, Appendix A. Available at: <http://www.CalEEMod.com/>. Accessed: July 2019.

emission factors for each trip type in the years (2020 to 2023) where project-specific construction trip data was provided. The output from this CalEEMod® run was used to calculate vehicle trip emission factors as shown in Table C-2 in **Appendix C**.

4.2.3 Emissions from Implosion

Demolition may be conducted through the detonation of explosive materials to implode the stadium. This would be a one-time event that would occur on a single day, likely during the first month of demolition (January 2022). **Table C-3a** in **Appendix C** presents the criteria air pollutants associated with implosion, which include exhaust emissions from explosives and fugitive emissions from implosion of the building (here, the stadium). Exhaust emissions (NO_x, CO, and SO_x) from explosive material were calculated using AP-42 emission factors and the quantity of explosives required (see **Appendix C-3b** in **Appendix C**).

Fugitive PM₁₀ and PM_{2.5} emissions (**Table C-3c** in **Appendix C**) were calculated using the building volume-based emission factors derived by Wheeler de Nevers⁵¹. Stadium building volume was estimated using stadium geometry. The building dimensions were determined using Google Earth and additional online sources, as shown in **Table C-3d**. The stadium volume was calculated as the difference between total stadium volume and the inner volume of open air.

4.2.4 Total Construction Emissions

The maximum daily criteria air pollutant emissions associated with each year of construction (without mitigation) are shown in **Table 4-2**. The emissions reported are for on-site and off-site emissions, including on-road and off-road mobile sources. For on-site emissions, the estimated emissions include stationary sources such as fugitive dust and architectural coatings.

This analysis assumes that implosion would be used for the stadium demolition in early 2022. As seen in **Table 4-2**, the maximum daily unmitigated construction emissions for NO_x, CO, SO_x, PM₁₀, and PM_{2.5} are expected to occur during the implosion event in 2022. Emissions from implosion account for at least 16% of maximum daily emissions for these pollutants. If implosion is not used for stadium demolition, additional construction equipment would be required during the demolition phase. Emissions from these additional pieces of equipment would be spread out across the demolition phase and would not all occur on a single day like the implosion event. Therefore, we would expect the maximum daily unmitigated criteria air pollutant emission estimates during construction to be lower than values shown in **Table 4-2** for stadium demolition without implosion.

Detailed calculations for daily unmitigated criteria air pollutant emissions for calendar years 2020 to 2023 are shown in Tables C-4a through C-4j in **Appendix C**. Maximum daily emissions for other calendar years (2024 through 2037) were obtained directly from the CalEEMod output in Appendix B-2.

4.3 Existing Condition

In addition to estimating project-related criteria air pollutant emissions from construction and operational buildout, this report also estimates criteria air pollutant emissions associated with the "Existing Condition," which entails the operation of the San Diego County Credit Union Stadium (formerly, Qualcomm Stadium) presently located on the project site.

⁵¹ Wheeler, K.; de Nevers, N. Block 76, 2007. Dust Control and Implosion Management Plan.

Information regarding the operational attributes and characteristics of the existing stadium, including a summary of existing events, is available in Section 2.0, Project Description, of the project's Environmental Impact Report (EIR).

4.4 Operational Emissions

This section describes the calculation of criteria air pollutant emissions from operational activities at the project site. The operational emissions were modeled in CalEEMod® for the operational buildout year (2037). Due to model limitations, the buildout year of 2037 was represented using the year 2035 in CalEEMod® as described in **Section 1.4**.

4.4.1 Area Sources

Area sources in CalEEMod® emit criteria air pollutants. The area source emissions included in this analysis result from landscaping-related fuel combustion sources, such as lawn mowers, consumer products, hearths, and architectural coatings. Emissions from fireplaces are calculated assuming that 5% of dwelling units have natural gas fireplaces and that there are no wood-burning fireplaces or woodstoves, consistent with the project design. Emissions due to natural gas combustion in buildings for other sources are excluded from this section since they are included in the emissions associated with building energy use. Area coatings include a maximum VOC content of 150 g/L per SDAPCD Rule 67.0.1.

The resulting criteria air pollutant emissions from area sources for the Existing Condition and for the project are shown in **Table 4-3**. This includes the PDF relating to residential hearths described in **Section 1.4.1**.

4.4.2 Energy Use

Criteria air pollutant emissions are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of fossil fuels, such as natural gas, emits criteria air pollutants directly into the atmosphere. Climate Zone 13 was selected based on the CEC forecast climate zone map shown in the CalEEMod® User's Guide.

In California, Title 24 governs energy consumed by the building envelope, including its mechanical systems, and some types of fixed lighting.⁵² These "regulated loads" are not the only source of building-related energy consumption. "Unregulated loads," which are also sometimes referred to as "plug-in loads," also contribute to the total energy demand/consumption of the built environment. The project (without PDFs) analysis assumes that the Project's residential and non-residential land uses accord to the 2016 Title 24 Standards, as that code cycle became effective on January 1, 2017 as described in **Section 1.3**.

To calculate the total residential building energy input for the project (i.e., electricity and natural gas use), Ramboll utilized default values provided in CalEEMod®, which are based on the Residential Appliance Saturation Survey (RASS).⁵³ To calculate the total non-residential building energy input for the project, Ramboll utilized default values provided in CalEEMod®,

⁵² Title 24, Part 6, of the California Code of Regulations: California's Energy Efficiency Standards for Residential and Nonresidential Buildings. Available at: <http://www.energy.ca.gov/title24/>. Accessed: July 2019.

⁵³ A detailed explanation how the RASS data was processed for use in CalEEMod® is available in CalEEMod® User's Guide Appendix E.

which are based on the Commercial End-Use Survey (CEUS).⁵⁴ The energy usage for the Stadium was based on energy data from the Qualcomm stadium. The Qualcomm stadium energy rates were normalized by attendance at the stadium to develop the existing SDCCU stadium and project stadium energy use rates. The energy use rates input to CalEEMod[®] for the proposed project's multiuse stadium are shown in **Table 4-4a** and for the existing SDCCU Stadium are shown in **Table 4-4b**.

Criteria air pollutant emissions from the natural gas consumption of residential and non-residential buildings during full build-out and the Existing Condition are shown in **Table 4-4c**.

4.4.3 Mobile Sources

The criteria air pollutant emissions associated with on-road mobile sources are generated from residents, workers, customers, and delivery vehicles visiting the land use types in the project. The emissions associated with on-road mobile sources include running and starting exhaust emissions. Running emissions are dependent on VMT. Starting emissions are associated with the number of starts or time between vehicle uses and the assumptions used in determining these values are described below. Ramboll calculated mobile source emissions using the trip rates and trip length information based on analyses conducted by Fehr & Peers (F&P), which were derived in accordance with California State University Transportation Impact Study Manual, the City of San Diego Traffic Impact Study Manual, the San Diego Land Development Code, the SANDAG Regional Traffic Demand Forecast Model, the City of San Diego's California Environmental Quality Act Significance Determination Thresholds, and regionally accepted traffic study guidelines published by the San Diego Regional Traffic Engineers (SANTEC)/Institute of Transportation Engineers (ITE).

The analysis includes the benefit of reductions from some adopted regulatory programs, which are accounted for as follows:

- AB 1493 ("the Pavley Standard") required CARB to adopt regulations by January 1, 2005, to reduce GHG emissions from non-commercial passenger vehicles and light-duty trucks of model year 2009 and thereafter. CalEEMod[®] and EMFAC2014 include emission reductions for non-commercial passenger vehicles and light-duty trucks of model year 2017 – 2025.
- The ACC program, introduced in 2012, combines the control of smog, soot causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2015 through 2025. CalEEMod[®] and EMFAC2014 includes reductions associated with this regulation that are represented in this analysis. While ACC focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.
- The USEPA/NHTSA advanced fuel economy and GHG standards (Phase 1) were adopted in 2011 for medium and heavy-duty trucks for model years 2014-2018.⁵⁵ This Heavy-Duty National Program is intended to reduce fuel use and GHG emissions from medium- and heavy-duty vehicles, semi-trucks, pickup trucks and vans, and all types

⁵⁴ A detailed explanation how the CEUS data was processed for use in CalEEMod[®] is available in CalEEMod[®] User's Guide Appendix E.

⁵⁵ USEPA, Office of Transportation and Air Quality. 2011. Available at: <https://www.gpo.gov/fdsys/pkg/FR-2011-09-15/pdf/2011-20740.pdf>. Accessed: July 2019.

and sizes of work trucks and buses in between. CalEEMod® and EMFAC 2014 include reductions associated with this regulation that are represented in this analysis.

4.4.3.1 Calculating Mobile Source Emissions

The information presented in F&P's traffic impact analysis was used to derive the inputs for CalEEMod®. CalEEMod® requires the input of trip generation rates (weekday, Saturday, and Sunday) and average trip lengths for each different land use type in the Project (e.g., single-family, condominium/townhouse, etc.). The following sections describe the methodology to derive the necessary inputs.

a) Trip Generation Rates

F&P used the City of San Diego Trip Generation Manual in the traffic analysis. Project trips for each land use were obtained from F&P. F&P's report included weekday trips and Saturday trips. The project trips are shown in **Table 4-5a**.

Total trips were allocated to each land use in the analysis by using the trip generation rates by land use as provided in F&P's report. In addition, eleven percent mixed use and seven percent transit/bike/walk reductions were applied to account for the expected public transportation services for the project and surrounding land uses, consistent with F&P's traffic study. The project weekend trip rates were based on F&P's Saturday trip rates.

b) Trip Lengths

While CalEEMod® has options to represent different trip lengths for different trip types, based on the F&P traffic data, a singular overall average project trip length was derived based on the detailed traffic study to calculate the total vehicle miles traveled based on the F&P traffic data.

The overall trip length was calculated as the vehicle miles travelled divided by the project trips to result in one overall average trip length for the project. The results of these calculations are shown in **Table 4-5a** and **Table 4-5b**.

c) Fleet Mix

The CalEEMod® default fleet mix (based on EMFAC2014 vehicle class populations) was retained for all land uses.

d) Summary of CalEEMod® Inputs

The assumptions input into CalEEMod® are shown in **Table 4-5a** and **Table 4-5b**. In addition to the information as described above, the trip type is shown as 100% primary, consistent with the derivation and calculation of trip rates and trip lengths. Because the differences in trip length are already accounted for in F&P's data and how the trip rates and trip lengths were derived, further separation of trip types is unnecessary (i.e., identification of diverted or pass-by trips). Therefore, all trips input into CalEEMod® for the air quality emissions analysis were indicated to be primary trips, overriding the model's default settings to ensure that the VMT is consistently accounted for in CalEEMod® in relationship to the traffic analysis.

4.4.3.2 Mobile Source Emissions

The project and Existing Condition operational mobile source emissions are shown in **Table 4-5c**.

4.4.4 Stationary Sources

Stationary sources, such as generators, are direct sources of emissions. The stationary source emissions included in this analysis result from the operation of an emergency generator for the proposed multipurpose stadium. Emissions are calculated assuming the generator is diesel powered and is operated one hour per week for maintenance and/or required emergency power.

The resulting emissions from the stationary source for the Existing Condition and for the project are shown in **Table 4-6**.

5. CONSTRUCTION-RELATED HEALTH RISK ASSESSMENT

In this HRA, the chemicals of potential concern included diesel exhaust, a complex mixture that includes hundreds of individual constituents identified by the State of California as a known carcinogen. Under California regulatory guidelines, DPM is used as a surrogate measure of carcinogen exposure for the mixture of chemicals that make up diesel exhaust as a whole. There is currently no acute non-cancer toxicity value available for DPM. DPM is the main driver of cancer risk from construction equipment. As a result, DPM was the chemical of potential concern used in this analysis.

This health risk assessment was performed to calculate cancer and non-cancer risks associated with the TAC (DPM) emissions from construction equipment operating on-site during construction of the project. The following sections describe the methodology used for calculating health risk impacts particularly the exposure assessment, toxicity criteria, and equations calculating the cancer and non-cancer risk impacts.

5.1 Air Dispersion Modeling Methodology

Air dispersion modeling was performed to calculate the concentrations of DPM at receptors in the project vicinity during construction. The following sections describe the methodology used for modeling, including model selection, source characterization, meteorological data, land use, and receptor placement.

5.1.1 Model Selection

The AMS/EPA Regulatory Model Improvement Committee (AERMIC) Model (AERMOD) (Version 18081) was used to calculate concentrations of ambient air pollutants. AERMOD has been approved for use in various regulatory applications by USEPA, CARB, and SDAPCD. AERMOD uses mathematical equations to simulate the movement and dispersion of air contaminants in the atmosphere. This model, which has been approved for use by USEPA, CARB, and SDAPCD, incorporates multiple variables in its algorithms including:

- Meteorological data representative of surface and upper air conditions;
- Local terrain data to account for elevation changes;
- Physical specification of emission sources and receptors including information such as:
 - Location;
 - Release height; and
 - Source dimensions.

The regulatory default option, urban, and period averaging were selected based the California Office of Environmental Health Hazard Assessment (OEHHA) modeling guidance.⁵⁶ Dispersion model averaging times are specified based on the averaging times of ambient air quality standards and the air quality significance thresholds established by the appropriate regulatory agencies. For the health risk assessment (HRA), the annual averaging time was used to evaluate chronic (long-term) health effects. Construction emissions from diesel combustion were assumed to occur 12 hours per day, 5 days per week, and 260 days per

⁵⁶ OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: March 2019.

year. Emissions were modeled using the χ/Q (“chi over cue”) method, such that each source group had unit emission rates (i.e., a total of 1 gram per second [g/s] and the model calculated dispersion factors (with units of microgram per cubic meter [$\mu\text{g}/\text{m}^3$]/[g/s]). The model output was used in a post-processing calculation with actual emission rates to calculate the DPM concentrations at each receptor (see **Section 5.1.5** for additional information regarding receptors). The air dispersion model files are included electronically in **Appendix D**.

5.1.2 Source Characterization

This HRA evaluates the off-road equipment associated with construction of the project. Sources that can be reasonably represented as emitting at a uniform rate over a two-dimensional surface are modeled as area sources. Areapoly sources, an area source type consisting of an irregularly shaped polygon, were used to represent off-road equipment.

The project area that was modeled is shown in **Figure 2**. Source parameters (**Table 5-1**) were developed based on the USEPA AERMOD user guide.⁵⁷ **Table 5-2** presents modeled emission rates for unmitigated and mitigated DPM emissions from off-road equipment during construction. As described earlier, modeling was done using the χ/Q method and emission rates were set to 1 gram per second for each source group.

5.1.3 Meteorology

SDAPCD provided AERMOD model-ready meteorological data sets for use in air quality and health risk impact analyses. The Project is located nearest to the Kearny Villa (KVR) meteorological station.⁵⁸ KVR was selected as the meteorological data set to analyze the Project's impacts, based on that station's close geographic proximity to the Project site and best representation of the facility's meteorological conditions (such as prevailing winds), terrain, and surrounding land use. The SDAPCD meteorological data set for this station represents a 3-year time period from January 1, 2014 to December 31, 2016 to represent the potential variability in wind direction and wind speed. **Figure 3** depicts the location of the meteorological station with respect to the project site.

The wind rose in **Figure 4** shows the distribution of wind speeds and directions, which directly affect the dispersion of the air emissions. The “petals” of the wind rose indicate the direction from which the wind blows from, and the colors represent the wind speed. The air dispersion model uses this data to evaluate how emissions are dispersed through the air.

5.1.4 Land Use and Terrain Data

The land surrounding the project site is developed. AERMOD offers the option of using either rural or urban dispersion characteristics. Based on the developed nature of the project area (the project is located on an infill site in the Mission Valley area), AERMOD was run using the urban modeling option and population of 3,337,685 people for San Diego County.⁵⁹

⁵⁷ USEPA. User's Guide for the AMS/EPA Regulatory Model (AERMOD). Available at https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf. Accessed: July 2019.

⁵⁸ SDAPCD Meteorological Data for Kearny Villa obtained on September 24, 2018 from SDAPCD.

⁵⁹ United States Census Bureau San Diego County Population Estimate, July 1, 2017. Available at: <https://www.census.gov/quickfacts/fact/table/sandiegocountycalifornia,ca/PST045217>. Accessed: May 2019.

5.1.5 Receptors

Receptor exposure to emission sources is greatest nearest to the emission source. In order to evaluate health impacts to off-site receptors, including nearby residential and non-residential sensitive receptor populations, and consistent with SDAPCD HRA Guidelines, receptors within 500 meters of the modeled construction area were covered in a grid with 25-m by 25-m spacing receptors except in areas within the right of way which would be inaccessible to the public.⁶⁰ Offsite grid receptors were classified as residential or worker based on the current land use.⁶¹

In addition to identifying the maximally exposed individual resident/worker, SDAPCD requires inclusion of the following non-residential sensitive receptors in a health risk analysis: schools (grades Kindergarten through 12), day care centers, nursing homes, retirement homes, health clinics, and hospitals.⁶² Therefore, off-site sensitive receptor locations were also identified within a 2000-m radius of the modeled construction area, based on databases as listed below.

- California Department of Education, California School Directory (<http://www.cde.ca.gov/re/sd>).
- California Community Care Licensing Division - licensed care facilities including adult residential facilities and daycares (<https://secure.dss.ca.gov/CareFacilitySearch/home/selecttype/>)
- California Health and Human Services Open Data portal (<https://data.chhs.ca.gov/>).

Databases were searched for all zip codes within the modeling domain. All off-site receptor locations are illustrated in **Figure 5**. Receptor heights were assumed to be at ground-level based on HRA Supplemental Guidelines.⁶³

5.2 Exposure Assessment

The components of the exposure assessment include the identification of potentially exposed populations, the calculation of exposure point concentrations, identification of exposure pathways, and the selection of exposure assumptions to quantify chemical intakes that may result from potential project site emissions. The exposure assessment step determines the quantity of contaminants people are exposed to during a specific time period. Ramboll used dispersion factors from AERMOD and emission rates to calculate the concentrations of DPM at each receptor. These steps are described in the following sub-sections.

5.2.1 Identification of Potentially Exposed Populations

The potentially exposed populations considered in this HRA include residents and workers located within 500 m of the project boundary and non-residential sensitive receptors located

⁶⁰ SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: May 2019.

⁶¹ San Diego Association of Governments (SANDAG). 2016. Geographic Information System (GIS) Shapefile for 2016 land use. Available at: <http://rdw.sandag.org/Account/gisdtview?dir=Land%20Use>. Accessed: May 2019.

⁶² See footnote 54.

⁶³ See footnote 54.

within 2000 m of the project boundary. Refer to **Section 5.1.5** above for further details of receptor placement.

5.2.2 Calculation of Exposure Point Concentrations

Exposure point concentrations are the concentrations of each TAC to which an individual may be exposed at a given receptor location. The exposure point concentrations used to calculate cancer risks and chronic non-cancer hazard index (CHI) are the annual average concentrations of each TAC. TAC concentrations at each receptor location were calculated based on emissions calculations and air dispersion modeling as described in **Sections 4 and 5.1**, respectively.

5.2.3 Exposure Pathways

The exposure pathways evaluated in this HRA were selected in accordance with the OEHHA Guidance. The inhalation pathway must be evaluated for all chemicals. The OEHHA Guidance also requires the evaluation of non-inhalation exposure pathways, referred to as a multi-pathway analysis, for specific chemicals. However, DPM exposure pathway is limited to inhalation. For DPM, the multi-pathway factor is 1.0.

5.2.4 Exposure Assumptions

The exposure parameters used to calculate excess lifetime cancer risks (over a lifetime of 70 years) for all potentially exposed populations (resident, worker, and non-residential sensitive receptors) were obtained using risk assessment guidelines from OEHHA and are presented in **Table 5-3a and Table 5-3b**.⁶⁴

As shown in **Table 5-3a**, the total exposure duration analyzed for residents and other sensitive receptors is 30 years, in accordance with OEHHA guidance default assumptions, and begins in the third trimester to accommodate the increased susceptibility of exposures in early life.⁶⁵ These exposure assumptions, designed to be protective of children younger than age 16, are assumed to be adequately protective of residents older than 30 years of age, including the elderly.

Under OEHHA guidance, breathing rates change over time for different age groups for residential exposure. Following the SDAPCD risk assessment procedures, 95th percentile daily breathing rates for age groups less than 2 years old and 80th percentile daily breathing rates for age groups that are greater than or equal to 2 years old were used. Breathing rates were referenced from SDAPCD Risk Assessment Guidance.⁶⁶

As shown in **Table 5-3a**, the age groups used for residential and non-residential sensitive receptors are 3rd trimester, 0 to less than 2, 2 to less than 16, and 16 to less than 30. These age-specific breakouts are needed in order to use age sensitivity factors. Per OEHHA Guidance, age sensitivity factors (ASF) of 10 for ages less than 2 years, 3 for ages 2 years to

⁶⁴ OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: May 2019.

⁶⁵ OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: May 2019.

⁶⁶ SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: May 2019.

16 years, and 1 for ages 16 years or older were used in this analysis. These factors take into account increased sensitivity of children to carcinogens. To incorporate ASFs, cancer risk calculations are weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to two years of age and by a factor of three for exposures that occur from two years through 15 years of age.⁶⁷ No weighting factor (i.e., an ASF of one, which is equivalent to no adjustment) is applied to ages 16 and older. For the residential exposure, the fraction of time spent at home is 100% for ages up to 16 years and 73% for ages greater than 16 years as referenced from OEHHA Guidance.

Exposure assumptions for a worker are provided in **Table 5-3b**. Based on the OEHHA Guidance Manual, a total exposure duration of 25 years that covers the age group of 16-41 years of age was used. There is no variation in the ASF or daily breathing rates in this age group. An exposure frequency value of 0.68 which is equivalent to working 5 days/week, 50 weeks/year was chosen for this analysis; this value is consistent with the default assumptions for workers presented in the OEHHA Guidance Manual.

The toxicity values used in risk calculations are summarized in **Table 5-4**. These include cancer potency factor which is used to calculate the probability or risk of cancer associated with an estimated exposure, and acute, 8-hour and chronic Reference Exposure Levels (RELs) which are the concentration at which no adverse noncancer health effects are anticipated even in sensitive members of the general population, with infrequent one hour exposures, repeated 8-hour exposures over a significant fraction of a lifetime, or continuous exposure over a significant fraction of a lifetime, respectively. There is currently no 8-hour chronic or acute non-cancer toxicity value available for DPM.

5.3 Cancer Risk Calculations

Cancer risks impacts at receptors off the project site were calculated as the incremental probability that an individual will develop cancer over a 70-year lifetime as a direct result of exposure to DPM emitted by construction equipment operating on the project site during the construction of the project.^{68, 69} The calculated risk is expressed as the maximum number of new cases of cancer projected to occur in a population of one million people due to exposure to the cancer-causing substance over a 30-year residential period. The exposure factor assumptions and toxicity values used in risk calculations are summarized in **Table 5-3a, 5-3b, and 5-4**.

The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). For carcinogenic chemicals, both inhalation and non-inhalation pathways must be considered. For simplicity, OEHHA multi-pathway factors were used for multi-pathway chemical (e.g., DPM MPF = 1) in this analysis.

⁶⁷ OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at http://oehha.ca.gov/air/hot_spots/hotspots2015.html. Accessed: May 2019.

⁶⁸ USEPA. 1989. Risk Assessment Guidance for Superfund. Volume 1: Human Health Evaluation Manual (Part A). Interim Final. Office of Emergency and Remedial Response. EPA-540/1-89/002. Washington, DC. December. Available online at: <http://rais.ornl.gov/documents/HHEMA.pdf>. Accessed: July 2019.

⁶⁹ Cal/EPA. 2003. Air Toxics Hot Spots Program Risk Assessment Guidelines. August. Available at: <https://oehha.ca.gov/media/downloads/cnr/hrafinalnoapp.pdf>. Accessed: July 2019.

The following equations were used to calculate excess lifetime cancer risk from DPM at each modeled sensitive/residential or worker receptor):

$$Cancer\ Risk_{resident/sensitive} = \frac{(\sum_{age\ groups} C * DBR * ASF * ED * FAH * EF * CPF)}{AT}$$

$$Cancer\ Risk_{worker} = \frac{(\sum_{age\ groups} C * DBR * ASF * ED * EF * WAF * CPF)}{AT}$$

Where:

- Cancer Risk = Lifetime Excess Cancer Risk from exposure to DPM (in a million)
- C = Annual Average Air Concentration for DPM (µg/m³) output based on AERMOD dispersion factor and emission rate for each source
- DBR = Daily Breathing Rate (liter per kilogram-day)
- ED = Exposure Duration (years)
- ASF = Age Specific Factor
- FAH = Fraction of Time at Home
- EF = Exposure Frequency (350 days/year)
- WAF = Worker Adjustment Factor
- CPF = Cancer Potency Factor for DPM (mg/kg/day)⁻¹

5.4 Non-Cancer Risk Calculations

The potential for exposure to result in adverse chronic non-cancer effect is evaluated by comparing the calculated annual average air concentration (which is equivalent to the average annual air concentration) of DPM to its non-cancer chronic reference exposure level (cREL) as shown below:

$$CHI = \frac{C}{cREL}$$

Where:

- CHI = Chronic Hazard index
- C = Annual average concentration of DPM (µg/m³) based on AERMOD dispersion factor and emission rate for each source
- cREL = Chronic non-cancer reference exposure level for DPM (µg/m³) available in **Table 5-4**

As mentioned earlier, DPM does not have an acute non-cancer toxicity value; therefore, the potential of exposure to acute health impacts was not assessed as part of this analysis.

5.5 Health Risk Results

Table E-1 in **Appendix E** provides the cancer risk and CHI associated with DPM emissions from project construction activities for each modeled receptor. **Table 5-5** presents a summary of the unmitigated and mitigated maximum cancer risk and maximum CHI for each receptor type (off-site residents, workers, and sensitive receptors). As shown in **Table 5-5**, the mitigated maximum cancer risks of 28.1 in a million for an off-site resident and 22.3 in a million for an off-site sensitive receptor are above the SDAPCD notification requirement of 10 in a million. The maximum CHI of 0.046 for an off-site worker is below the SDAPCD notification requirement of 1.0. The unmitigated maximum risk receptor is shown in **Figure 6** and the mitigated maximum risk receptor is shown in **Figure 7**.

The health risk impacts presented in **Table 5-5** assume that implosion would be used for stadium demolition. If implosion is not used, some additional pieces of construction equipment would be required during the demolition phase. However, total DPM emissions from all construction equipment over the entire construction period (2020-2037) is expected to be similar to those presented in **Table 5-2**. Since cancer risk and CHI are directly proportional to DPM emissions, these health impacts for project construction without implosion are also expected to be similar to those reported in **Table 5-5** for project construction with implosion.

5.5.1 Uncertainties

This risk analysis includes the use of conservative exposure assumptions that likely overestimate actual exposure and risk. For the cancer risks, this analysis assumes that residents below the age of 16 years are exposed for 24 hours per day, 365 days per year at the same location. However, young residents usually leave their houses for school, shopping, vacation, etc. Further, it assumes that residents live in the same location for the entire 30-year exposure period; whereas in reality, people move periodically instead of living 30 years at the same location. As a result, reported risks are upper-bound calculations, and actual risks will likely be lower than reported.

6. CO HOTSPOTS

Mobile-source impacts occur on two basic scales of motion. Regionally, project-related travel will add to regional trip generation and increase the VMT within the local airshed and the SDAB. Locally, proposed project traffic will be added to the City's roadway system. There is a potential for the formation of microscale CO "hotspots" in the area immediately around points of congested traffic. Because of continued improvement in mobile emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the basin is steadily decreasing.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. To verify that the proposed project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. The project Transportation Impact Analysis evaluated the level of service (LOS) (i.e., increased congestion) impacts at intersections affected by the project. The potential for CO hotspots was evaluated based on the results of the traffic report.

The City of San Diego's *Significance Determination Thresholds* was reviewed for guidance on CO hotspot screening, and was used to determine if the project would require a site-specific hotspot analysis.⁷⁰ The City recommends that a quantitative analysis of CO hotspots be performed if a proposed development causes a six- or four-lane roadway to deteriorate to a LOS E or worse, causes a six-lane roadway to drop to LOS F, or if a proposed development is within 400 feet of a sensitive receptor and the LOS is D or worse.

The project is located within 400 feet of a sensitive receptor, indicating any intersection operating at LOS D or worse should be considered in a screening analysis. Traffic scenarios for Future with Proposed Project (2037) and Existing with Proposed Project (2018) were analyzed for CO hotspots. Based on the Traffic Impact Analysis prepared for the project, several intersections were determined to operate at LOS D or worse in either the existing or future year scenarios (**Table 6-1a** and **Table 6-1b**).

Guidance from the California Department of Transportation and University of California Davis' CO Protocol states that for a single project with multiple intersections, only the three worst-case intersections need to be analyzed. The three worst-case intersections for existing and future scenarios were chosen based on their LOS, traffic volumes, and delay as provided in the traffic report. These intersections include 11. Stadium Way & Friars Rd., 14. Mission Village Dr./Street D & Promenade 1/Street 2, and 17. I-15 SB Ramps & Friars Rd.

Localized CO concentrations for each of the identified intersections were calculated using a simplified CALINE4 procedure developed by the Bay Area Air Quality Management District (BAAQMD).⁷¹ The BAAQMD methodology assumes worst-case conditions and provides a semi-quantitative analysis based on CALINE4 to identify if further analysis is required. Emission factors used in the simplified CALINE4 model were based on EMFAC2014 using a 5 mph average speed for all vehicle classes in San Diego County for calendar year 2018 (existing) and 2035 (future) to be consistent with the project emissions inventory. The

⁷⁰ City of San Diego's CEQA Significance Determination Thresholds, 2016. Available at: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: July 2019.

⁷¹ BAAQMD CEQA Guidelines, 1999. Available at: http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed: July 2019.

temperature (66 °F) and relative humidity (67%) were derived from the National Climatic Data Center for the San Diego area.⁷²

The simplified CALINE4 analysis was conducted for the three worst intersections in each the existing and future year. **Appendix F** includes details of this CALINE4 modeling analysis. As shown in **Table 6-2a and Table 6-2b**, the maximum CO concentration predicted for the 1-hour averaging period at the evaluated intersections is 4.5 ppm, which is below the 1-hour CO CAAQS of 20 ppm and CO NAAQS of 35 ppm. The maximum predicted 8-hour CO concentration at the evaluated intersections is 3.2 ppm, which is below the 8-hour CO CAAQS and NAAQS of 9.0 ppm.⁷³

⁷² National Centers for Environmental Information Local Climatological Data, 2018. Available here: <https://www.ncdc.noaa.gov/IPS/lcd/lcd.html>. Accessed: July 2019.

⁷³ City of San Diego CEQA Significance Determination Thresholds, CAAQS. Available at: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: July 2019.

7. PROJECT DESIGN FEATURES

This section describes the PDFs that take the project beyond existing regulatory requirements.

7.1 Description of Project Design Features

As described in **Section 1.4.1** of this report, the project design includes a number of sustainability-oriented PDFs that are intended to move the project “beyond code.” Many of these PDFs are consistent with the City of San Diego Climate Action Plan (CAP) and its implementing CAP Consistency Checklist, as well as the City’s final draft of the Mission Valley Community Plan (MVCP). (See **Appendix A.**)

7.2 Project Design Features with Quantified Reductions

7.2.1 TDM Program

The project’s Transportation Demand Management (TDM) Program incentivizes alternative transportation besides single-occupant commuter trips. Strategies contained in the TDM Program for the campus office, residential and retail uses relate to:

- Land use diversity
- Neighborhood site enhancement
- Parking policy and pricing
- Commute trip reduction services

For more information on the specific strategies associated with the TDM Program, please see **Section 1.4** of this report, as well as Fehr & Peers’ Transportation Impact Analysis (2019) for the project.

The TDM Program’s strategies for non-stadium land uses are expected to reduce VMT by 14.41%. The emission reductions from TDM are shown in **Table 7-1.**

7.2.2 Residential Hearths

The proposed project is incorporating a limited number of natural gas fireplaces, and no wood-burning fireplaces, within project residences. Of all residential units in the project, up to 5% of the units may include a natural gas fireplace. The emissions associated with this hearth commitment are presented in **Table 4-3.**

7.3 Project Design Features with Unquantified Reductions

7.3.1 EV-Ready and EV Chargers

The project is equipping 3% of total residential parking spaces and 6% of total non-residential parking spaces with appropriate electric supply equipment to allow for the future installation of EV chargers (i.e., “EV ready”). Of these EV ready spaces, 50% will be equipped with EV charging stations. Based on these parameters, in total, approximately 500 parking spaces on the project site will be designated as “EV ready” and 252 of the “EV ready” spaces will be equipped with operable EV charging stations.

7.3.1 Solar Photovoltaic (PV) Panels

The project is incorporating solar PV panels on available roof space; these panels are estimated to have a total generation capacity equivalent to 10,819,478 kilowatt-hour (kWh) of electricity, or 14.9% of the project’s total project electricity demand.

7.3.2 Other Project Design Features with Unquantified Reductions

Other PDFs with AQ benefits that have not been quantified in this report and only are considered qualitatively include:

- The layout of the project's development areas has been designed to maximize the unique infill opportunity presented at this Mission Valley location. This includes benefits from the existing Metropolitan Transit System's Green Line transit station that runs through the project, as well as the planned Purple Line transit station.
- The mixed-use development locates buildings in close proximity to one another, which would facilitate the use of common heating/cooling sources, where feasible, as project-level development proceeds. (The use of common heating/cooling sources will be evaluated as the building plans for individual development parcels are developed; relevant factors that will influence the use of such sources include the temporal proximity of development, type of use, and market forces.)
- Project development areas would maximize natural ventilation.
- The proposed project would include adaptive lighting controls, where appropriate and feasible, in order to maximize energy efficiency and minimize light pollution.
- The proposed project would achieve LEED Version 4 at a Silver or better certification level, as well as a Neighborhood Development designation for sitewide design. LEED certification is based on standards that encourage the development of energy-efficient and sustainable buildings.
- Events at the proposed project's multipurpose stadium would benefit from the implementation of TDM Program strategies specifically developed for application to stadium-related events. These strategies focus on the use of alternative modes of transportation, including transit, to reduce single-occupancy vehicle usage and parking demand on event days.

It also is noted that, in 2014, the California State University Board of Trustees adopted its Sustainability Policy.⁷⁴ To the extent applicable, project-related development will comply with the principles and goals set forth in the CSU Sustainability Policy.

8. MITIGATION MEASURES

This section describes the mitigation measures that would help reduce criteria air pollutant and toxic air contaminant emissions associated with project construction, as well as the project's potential to conflict with regional air quality plans.

8.1 Construction Mitigation Measures

MM-AQ-1 (Construction Emissions Minimization): The project shall comply with the following standards during the specified phases of construction activity:

Engine Requirements. At a minimum, all off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 3 emission standards for non-road diesel engines promulgated by the U.S. Environmental Protection Agency. During the site preparation and grading construction phases, off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 3 with a diesel particulate filter emission standards. Where feasible, off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 4 emission standards.

In addition, during the site preparation and grading construction phase, off-road diesel-powered construction equipment that are not Tier 4 shall be outfitted with Best Available Control Technology (BACT) devices certified by the California Air Resources Board (CARB), provided those devices are commercially available and: (1) achieve the standards of the California Division of Occupational Safety and Health (also known as Cal/OSHA); (2) are consistent with the construction equipment warranty requirements; (3) are compatible with equipment specifications of the construction equipment manufacturer; and (4) do not otherwise interfere with the proper functioning of the construction equipment. Any BACT devices used shall achieve emissions reductions equal to or greater than a Level 3 diesel emissions control strategy for a similarly-sized engine, as defined by CARB regulations, provided that the devices are commercially available and satisfy the four requirements enumerated above.

Idling Requirements. All diesel engines, whether for on-road or off-road equipment, shall not be left idling for more than five minutes, at any location, except as provided in exceptions to the applicable regulations adopted by CARB regarding idling for such equipment. The construction contractor(s) shall post legible and visible signs in English, Spanish and Chinese, in designated queuing areas and at the construction site, to remind equipment operators of the five-minute idling limit.

Maintenance Instructions. The construction contractor(s) shall instruct construction workers and equipment operators on the maintenance and tuning of construction equipment, and shall require that such workers and operators properly maintain and tune equipment in accordance with manufacturer specifications.

Dust Control Plan. Prior to the commencement of construction, a dust control plan shall be prepared to minimize dust from construction-related sources, such as windblown storage piles, off-site tracking of dust, debris loading, and truck hauling of debris. This plan shall include the following requirements:

- Watering of exposed construction areas shall occur three times per day;
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered;
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour;

- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible;
- Building pads shall be laid as soon as possible after grading, unless seeding or soil binders are used; and,
- A publicly visible sign shall be posted with the telephone number and person to contact regarding dust complaints. This person shall respond to such complaints and take corrective action, as needed, within 48 hours. The San Diego Air Pollution Control District's phone number shall also be visible to ensure compliance with applicable regulations.

Implosion Execution Plan. A blasting execution plan shall be prepared prior to any implosion event associated with the demolition of the existing stadium. The plan shall evaluate the feasibility of staged implosion to minimize dust generation and exposure, and shall require that implosion be scheduled during periods of low/no wind speeds. Additionally, an ambient air quality monitoring program shall be implemented as part of the plan, and proximate to the stadium, over the course of any implosion event to measure actual particulate matter concentrations. Finally, a public notification program shall be instituted, as part of the plan, prior to any implosion event. The public notification program shall include recommendations as to how to minimize exposure to implosion-related airborne dust.

8.2 Operation Mitigation Measures

MM-AQ-2 (Regional Air Quality Plans): Within six months of the certification of the Final EIR, CSU/SDSU shall provide SANDAG with population and employment projections for the project site, which should be used by: (i) SANDAG to update its regional growth projections; and, (ii) the SDAPCD to update the emission estimates and forecasts presented in its regional air quality plans. Use of the approved site-specific population and employment projections would allow regional planning data to more accurately reflect anticipated growth in the Mission Valley area.

9. PROJECT INVENTORY IN CONTEXT (WITH PROJECT DESIGN FEATURES AND MITIGATIONS)

This section assesses the significance of the project's emissions with PDFs and mitigation measures for purposes of CEQA.

9.1 Threshold 1

Would the project conflict with or obstruct implementation of the applicable air quality plan?

As discussed in **Section 2.3.11.1** and **Section 8.2**, the SDAPCD's air quality plans rely on information from CARB and SANDAG to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the cities and San Diego County as part of the development of their general plans. As such, projects that propose development that is consistent with the growth anticipated by the general plan(s) would be consistent with the growth projections of the SIP because associated emissions of criteria pollutants in a designated nonattainment area would be accounted for in these air quality plans. If a project proposes development that is greater than anticipated in SANDAG's growth projections, the project would be in conflict with the RAQS and SIP, and could potentially result in a significant air quality impact.

At the individual level, the project is within the growth projections developed by SANDAG for the Mission Valley area. However, at the cumulative level, the project, in conjunction with other proposed residential and mixed-use projects, would exceed the growth anticipated in the Mission Valley area by SANDAG projections. Therefore, the project – in combination with other projects considered in the cumulative setting – could result in a significant and unavoidable impact associated with implementation of the SDAPCD's regional air quality plans.

Recognizing this same discrepancy between anticipated Mission Valley development trends and SANDAG's growth projections for the area, the City's Draft Program EIR (SCH No. 2017014066) for the Mission Valley Community Plan Update includes a mitigation measure, MM-AQ-1, which requires that, "Within six months of the certification of the Final Program EIR, the City shall provide a revised land use map for the CPU area to SANDAG to ensure that any revisions to the population and employment projections used by the SDAPCD in updating the RAQS and the SIP will accurately reflect anticipated growth due to the proposed CPU." While this measure is not within the discretion of CSU, should the City implement MM-AQ-1, impacts as a result of this project would be reduced to less than significant because the type and mix of land uses proposed for the project that is the subject of this technical report are within the development parameters of the City's Draft Program EIR.

Therefore, it is recommended that this project's EIR also be accompanied by a similar mitigation, as set forth in Section 1.4.2.2. of this report above. Because CSU/SDSU cannot require SANDAG to update its growth projections and does not have jurisdictional control over the regional air quality plans, this impact is considered significant and unavoidable, even with implementation of the recommended mitigation.

9.2 Threshold 2

Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

As discussed above, the project region is a designated non-attainment area for ozone and particulate matter (PM₁₀ and PM_{2.5}).

9.2.1 Emissions Inventory

9.2.1.1 Construction

The unmitigated maximum daily criteria air pollutant emissions from construction activities for the proposed project are shown in **Table 9-1**. As shown, the project emissions exceed the SDAPCD's significance thresholds for VOC, NO_x, CO, and PM₁₀.

In order to reduce the project's construction emissions, the minimization requirements (see MM-AQ-1) described in **Section 8** of this report are recommended. For purposes of demonstrating the effectiveness of that mitigation measure, the emission reduction benefits from the following mitigation parameters were quantified: Tier 3 construction engines, Tier 3 construction engines equipped with diesel particulate filters during site preparation and grading phases, and watering the site three (3) times per day to minimize dust. Other aspects of the mitigation measure are unquantified due to modeling and calculation limitations, but are expected to effectively reduce criteria air pollutant and toxic air contaminant generation.

With implementation of the recommended mitigation, the maximum daily emissions for VOC from construction activities for the proposed project would not exceed the SDAPCD's significance thresholds and would be reduced to a level below significant; see **Table 9-2**. SO_x and PM_{2.5} emissions also remain below the significance thresholds. However, while reduced, the maximum daily NO_x, CO and PM₁₀ emissions during construction would remain greater than the SDAPCD's significance thresholds. Therefore, construction emissions impacts are significant and unavoidable.

As stated in Section 4.2.4, this analysis currently assumes that implosion would be used for stadium demolition. If implosion is not used to demolish the SDCCU Stadium, the maximum daily unmitigated and mitigated construction emissions are expected to be lower than those presented in **Table 9-1** and **Table 9-2** respectively. However, the significance findings would be similar to that presented above for construction with implosion.

9.2.1.2 Operation

The project's operational emissions with PDFs are shown in **Table 9-3**. (PDFs, such as the implementation of the TDM Program, are designed to reduce the emissions of mobile criteria air pollutants.) As shown, the project emissions for VOC, NO_x, CO, PM_{2.5}, and PM₁₀ are above the SDAPCD thresholds, and are below for SO_x. The project has implemented all feasible mitigation measures as PDFs as described in **Section 7**. Therefore, the project is considered significant and unavoidable based on comparison of project operational emissions to the SDAPCD thresholds.

9.2.2 Overall

Based on the project analyses described above and the region's nonattainment status for ozone, PM_{2.5}, and PM₁₀, the project's construction-related NO_x and PM₁₀ emissions, and operation-related VOC, NO_x, CO, PM_{2.5}, and PM₁₀ emissions would be considered cumulatively

considerable. (NO_x and VOC are precursors for ozone.) While the project's operational CO emissions exceed the SDAPCD's CO threshold, the region is in attainment for CO.

For informational disclosure purposes, a list of related projects is included in Chapter 3 of the project's EIR. These related projects are those that are existing and proposed projects that may result in cumulative impacts with the project. Further analysis of these projects was not performed as the assumptions regarding their emissions are uncertain and it would be speculative to otherwise quantify these project emissions.

9.3 Threshold 3

Would the project expose sensitive receptors to substantial pollutant concentrations?

9.3.1 Construction-Related Health Risk Assessment

The construction-related HRA results were used to assess if the project would expose sensitive receptors to substantial pollutant concentrations. The unmitigated maximum cancer risk estimate associated with construction emissions was 53.1 in a million for an off-site resident, 42.2 in a million for an off-site sensitive receptor, and 12.2 in a million for an off-site worker. The cancer risks for all three receptor types exceed the SDPACD notification requirement.

In order to reduce the project's construction cancer risk, the construction equipment fleet requirements described in **Section 8** of this report are recommended. With the implementation of the recommended mitigation measure, the maximum cancer risk estimate is reduced to a value of 28.1 in a million for an off-site resident, 22.3 in a million for an off-site sensitive receptor, and 7.4 in a million for an off-site worker. While the mitigated maximum cancer risk is below the SDAPCD notification requirement of 10 in a million for an off-site worker, the mitigated cancer risk is above the SDAPCD notification requirement for an off-site resident and off-site sensitive receptor. All feasible mitigations have been adopted as listed in Section 8. As such, impacts are considered significant and unavoidable.

The unmitigated maximum chronic HI at the modeled receptors resulting from construction emissions was calculated to be 0.084 for an off-site worker, which is below the SDAPCD notification requirement of 1.0. With the implementation of the construction mitigation measure, the mitigated maximum chronic HI is reduced further to 0.046 for an off-site worker. Based on these results, the project is less than significant for chronic HI impacts.

As stated in **Section 5.5**, this analysis assumes that implosion would be used for stadium demolition. If implosion were not used during demolition, construction related health impacts are expected to be similar to those presented in this section and there would be no change to the significance findings stated above.

9.3.2 CO Hotspots

As noted in **Section 6**, projects contributing to adverse traffic impacts may result in the formation of CO hotspots. This analysis is described in **Section 6** and the results are shown in **Table 6-2a** and **Table 6-2b** for the existing and future project scenarios, respectively.

The three worst intersections were selected based on a criteria of LOS, traffic volume, and delay for both the existing and future year project scenarios. Neither the 1-hour nor 8-hour CAAQS would be exceeded at any of the worst-case evaluated intersections. Accordingly, the Project would not cause or contribute to violations of the CAAQS, and would not result in exposure of sensitive receptors to localized high concentrations of CO. As such, CO hotspots

impacts resulting from the Project contribution to cumulative traffic-related air quality impacts would be less than significant, and no mitigation is required.

9.3.3 Kinder Morgan Mission Valley Terminal Siting Assessment

This section evaluates potential siting concerns for the project's residential buildings due to the proximity of the Kinder Morgan Mission Valley Terminal (MV Terminal), which is a 66-acre facility located to the northeast of the project site. The MV Terminal has a storage capacity of approximately 680,000 barrels of refined petroleum products, denatured ethanol, gasoline additives, and red dye, with storage tanks ranging in capacity from 8,000 to 100,000 barrels. The MV Terminal also has two inbound pipelines and one outbound pipeline, handles refined petroleum products, and blends and injects additives and other materials.⁷⁵ Currently, the closest receptor to the MV Terminal is approximately 540 ft to the nearest tank and approximately 305 ft to the facility boundary. The proposed project includes potential new residential buildings located approximately 290 ft from the nearest tank and 225 ft from the facility boundary.

Although the project is locating sensitive receptors (i.e., residences) in proximity to the MV Terminal, there is no guidance in the SDAPCD regulations or City of San Diego municipal code prohibiting the location of sensitive receptors near such facilities. Additionally, the ARB has published a guidance document that provides information on siting sensitive receptors near certain land uses.⁷⁶ That document provides siting guidance for petroleum refineries, gasoline dispensing facilities, and rail yards, among others. However, the MV Terminal is not covered by any of the land uses in the guidance document, and thus there are no specific setback distances recommended in ARB's guidance.

A review of SDAPCD records also show that the MV Terminal has had minimal compliance issues, with the only notice of violations (NOVs) generally related to minor fugitive leaks or permit renewal timing. Based on this review, there is no information to suggest that the MV Terminal would pose specific air quality issues to the project's residents.

Additionally, local meteorological patterns show that the project site is generally located upwind from the MV Terminal. A wind rose for a recent three-year period of meteorological data from a nearby station shows that prevailing winds typically blow to the east. Since the facility is located towards the northeast corner of the project site, emissions from the facility would typically be carried away from the project.

9.3.4 Freeway Siting Assessment

This section evaluates potential siting concerns for the project's residential buildings due to the proximity of the nearby freeways. A freeway HRA was conducted to evaluate health impacts of DPM emissions from project-related vehicles travelling on the I-15 and I-8 freeways on on-site and off-site receptors. The analysis also evaluated cancer and non-cancer health impacts of DPM emissions from all vehicles travelling on the I-15 and I-8 freeways on sensitive land uses located on the project site. Refer to the Freeway Health Risk Assessment Technical Report for further details.

⁷⁵ Kinder Morgan Mission Valley Terminal. Available at:
https://www.kindermorgan.com/business/products_pipelines/mission_valley.aspx. Accessed: July 2019.

⁷⁶ ARB. 2005. Air Quality and Land Use Handbook: A Community Health Perspective. Available at:
<https://www.arb.ca.gov/ch/handbook.pdf>. Accessed: July 2019.

The results of the analysis show that:

- The cancer and non-cancer health impacts of the DPM emissions from project-related vehicles travelling on the modeled sections of the I-15 and I-8 freeways are below the SDAPCD public health risk notification requirements, and
- The cancer and non-cancer health impacts of the DPM emissions from vehicles travelling on the modeled sections of the I-15 and I-8 freeways on residential and non-residential receptors located on the project site, including those within 500 feet of the freeways, are below the SDAPCD public health risk notification requirements.

9.3.5 Health Effects of Criteria Air Pollutants

As stated in Section 9.2.2, the project's construction-related NO_x and PM₁₀ emissions, and operation-related VOC, NO_x, CO, PM_{2.5}, and PM₁₀ emissions are above SDAPCD's significance thresholds. Significant project criteria air pollutant emissions could potentially lead to increased concentrations of pollutants in the atmosphere and could result in health effects due to the increased emissions. The following section describes the mechanism by which project-related emissions could increase the concentrations of criteria air pollutants in the atmosphere and qualitatively describes the potential health effects.

The ambient concentration of criteria pollutants is a result of complex atmospheric chemistry and emissions of pollutant precursors and direct emissions. NO_x and VOC are precursors to ozone and, and NO_x, VOC, and SO_x are precursors to secondarily formed PM_{2.5}. Chemical and physical processes transform some of these precursors to the criteria pollutant concentrations in the atmosphere. The calculation of ozone and secondary PM_{2.5} concentrations resulting from precursors is dependent on the spatial location of the criteria air pollutant emissions and how the emissions are dispersed in the atmosphere. Source apportionment, or the practice of deriving information about pollution sources and the amount they contribute to ambient air pollution levels, is also influenced by the meteorological conditions of the project location.

There are several variables which determine whether emissions of air pollutants from the project move and disperse in the atmosphere in a manner in which concentrations of criteria pollutants would become elevated and result in health impacts. A specific mass of precursor emissions does not equate to an equivalent concentration of the resultant ozone or secondary particulate matter in that area. The resulting concentration of criteria pollutants is influenced by sunlight, other pollutants in the air, complex reactions, and transport. The dispersion is based on the meteorological conditions of the source (the project), local terrain (elevation profile), and the height and size of the source. The surrounding land use, wind direction and wind speed will influence the location where the project emissions disperse. Meteorology, the presence of sunlight, and other complex chemical factors all combine to determine the ultimate concentration and location of ozone or PM formed by emissions of precursors.

The resulting health effects are further based on a complex relationship of multiple variables and factors. The calculated health effects are dependent upon the concentrations of pollutants to which the receptors are exposed, the number and type of exposure pathways for a receptor, and the intake parameters for a receptor, which vary based upon age and sensitivity (i.e. presence of pre-existing conditions). Health effects would be more likely for individuals with greater susceptibility to exposures, and also dependent on the location of

receptors relative to the project site impacts whether receptors are exposed to project-related pollutants.

The following is a summary of the health effects from ozone, PM_{2.5} and PM₁₀. Meteorology and terrain play major roles in ozone formation, and ideal conditions occur on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. Short-term exposures (lasting for a few hours) to ozone at levels typically observed in Southern California can result in health effects. When inhaled, PM_{2.5} and PM₁₀ can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks and cause or aggravate bronchitis and other lung diseases. Whereas PM₁₀ tends to collect in the upper portion of the respiratory system, PM_{2.5} is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Health effects of PM_{2.5} include mortality (all causes), hospital admissions (respiratory, asthma, cardiovascular), emergency room visits (asthma), and acute myocardial infarction (non-fatal). For ozone, the endpoints are mortality, emergency room visits (respiratory) and hospital admissions (respiratory).

For this project, mass emissions for both construction (for NO_x, CO, and PM₁₀) and operation (for VOC, NO_x, CO, PM₁₀, and PM_{2.5}) exceed significance levels. Though the project's emissions are significant for these criteria air pollutants, it is anticipated that the health effects from the project will generally be low due to the relatively low level of emissions from this project compared to the total emissions in the San Diego Air Basin.

9.4 Threshold 4

Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

9.4.1 Odors

The project would not substantially change the odors that occur from the existing conditions of the site and surrounding areas. Odors could be generated from vehicles and/or equipment exhaust emissions during construction or operation of the project. Such odors could result from unburned hydrocarbons from tailpipes of construction equipment and architectural coatings. These types of odors are temporary and for the types of construction activities anticipated for project components, would generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors would be considered less than significant.

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, the impact of odors is difficult to quantify. Examples of land uses and industrial operations that are commonly associated with odor complaints include agricultural uses, wastewater treatment plants, food processing facilities, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. In addition to the odor source, the distance between the sensitive receptor(s) and the odor source, as well as the local meteorological conditions, are considerations in the potential for a project to frequently expose the public to objectionable odors. The project would not include any land use types that generate odors as described above; therefore, impacts related to odor caused by the project would be less than significant.

9.4.2 Valley Fever

Valley Fever (also known as coccidioidomycosis) is a fungal infection that is most prevalent in hot dry areas with alkaline soil, such as the southwestern United States. It is contracted via the inhalation of spores from a specific fungus known as *Coccidioides immitis*, which lie dormant in soil until disturbed. If the soil is stirred up by wind, vehicles, or earth-moving activities, the spores can become airborne along with the fugitive dust emitted. Thus, people who are commonly exposed to windblown dust and disturbed topsoil, such as construction workers and agricultural workers, have an increased risk of exposure to Valley Fever-causing spores. The majority of people who contract the infection exhibit mild cold-like symptoms or no symptoms at all. However, in some cases the infection can progress to flu-like symptoms and in rare cases, can cause severe disabling illness or death.⁷⁷

According to the Centers for Disease Control (CDC), San Diego County is a suspected endemic area for Valley Fever, which is the lowest endemic level for the area.⁷⁸ And thus, Valley Fever is not considered to be common to San Diego. Per the San Diego County Health and Human Services Agency, the 10-year average (2008–2017) for Coccidioidomycosis cases in San Diego County is 4.5 cases per 100,000 people per year.⁷⁹ For the 92108 zip code, where the project site is located, the incidence of Coccidioidomycosis is 3.9, which is less than the average County rate (Nelson 2018).⁸⁰ Unfortunately, there are no commercially available tests to detect *Coccidioides* in soil.⁸¹

Even if the fungus is present at the site, construction activities may not result in increased incidence of Valley Fever. Propagation of *C. immitis* is dependent on climatic conditions, with the potential for growth and surface exposure highest following early seasonal rains and long dry spells. *C. immitis* spores can be released when filaments are disturbed by earthmoving activities, although receptors must be exposed to and inhale the spores to be at increased risk of developing Valley Fever. Moreover, exposure to *C. immitis* does not guarantee that an individual will become ill— approximately 60 percent of people exposed to the fungal spores are asymptomatic and show no signs of an infection.⁸²

While the risk of releasing Valley Fever spores during the project's construction phase is reasonably anticipated to be low based on the location of the project site, it also should be

⁷⁷ Palmdale Water District. 2017. Littlerock Reservoir Sediment Removal Project Final Environmental Impact Report. Vol. 1. Available at: https://www.palmdalewater.org/littlerock_final_eir_vol-_1_opt/. Accessed: July 2019.

⁷⁸ Centers for Disease Control. Valley Fever Awareness. Available at: <https://www.cdc.gov/features/valleyfever/index.html>. Accessed: July 2019.

⁷⁹ Per the County of San Diego Health & Human Services Agency, Coccidioidomycosis incidence counts for a single year and a single zip code are too small to work with; therefore, incidence counts reflect 10 years of aggregated data (2008–2017) Nelson, J. 2018. Coccidioidomycosis Data Requests. Email from J. Nelson (County of San Diego Health & Human Services Agency, Epidemiologist II) to A. Poll (Dudek). August 16, 2018..

⁸⁰ Per the County of San Diego Health & Human Services Agency, Coccidioidomycosis incidence counts for a single year and a single zip code are too small to work with; therefore, incidence counts reflect 10 years of aggregated data (2008–2017) (Nelson 2018).

⁸¹ CDC. Sources of Valley Fever (Coccidioidomycosis). Available at: <https://www.cdc.gov/fungal/diseases/coccidioidomycosis/causes.html>. Accessed: July 2019.

⁸² The average of 115 cases is based on the following annual incidences reported: 148 in 2011, 139 in 2012, 93 in 2013, 88 in 2014, 112 in 2015, and 123 in 2016. Available at: <https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/CocciEpiSummary2016.pdf>. Accessed: July 2019.

noted that the applicant would comply with SDAPCD Rule 55, which establishes fugitive dust abatement measures, including watering disturbed areas on the project site to minimize adverse air quality impacts.

In summary, the project would not result in a significant impact attributable to Valley Fever exposure based on its geographic location and compliance with applicable regulatory standards, which will serve to minimize the release of and exposure to fungal spores.

TABLES

Table 1-1. Land Uses and Square Footages
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Project Land Use	CalEEMod [®] Land Use Type	CalEEMod [®] Land Use Subtype ¹	Land Use Unit Amount	Size Metric
Market-based Housing	Residential	Condo/Townhouse High Rise	70	DU
	Residential	Mid-Rise Apartments	2,010	DU
	Residential	High-Rise Apartments	2,220	DU
Student-focused Housing	Residential	Mid-Rise Apartments	300	DU
Campus/Tech Office Space	Commercial	General Office Building	1,165	TSF
Medical Office Space	Commercial	Medical Office Building	100	TSF
Scientific Research	Commercial	Research & Development	301	TSF
Sports Stadium	Recreational	User Defined Recreational	14.82	acre
Hotel	Recreational	Hotel	400	rooms
Retail	Retail	Regional Shopping Center	83	TSF
	Retail	Supermarket	12	TSF
Recreational Center	Recreational	Health Club	25	TSF
Structured Parking	Parking	Enclosed Parking Structure with Elevator	11,270	spaces
Community Park/River Park	Recreational	City Park	6	acre
Active Parks	Recreational	City Park	50	acre
Additional ²	Recreational	City Park	27.6	acre

Notes:

¹ Land uses as defined in CalEEMod[®].

² Additional recreational area includes landscaped areas, paseos, and trails.

Abbreviations:

CalEEMod[®] - California Emissions Estimator Model

DU - dwelling unit

SDSU - San Diego State University

sqft - square feet

TSF - thousand square feet

Table 1-2. Ambient Air Quality Data
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Pollutant	Averaging Time	2015	2016	2017	Most Stringent Ambient Air Quality Standard	Monitoring Station
Ozone	1 hour	0.077 ppm	0.087 ppm	0.097 ppm	0.09 ppm (State)	San Diego - Kearny Villa Road
	8 hours	0.070 ppm	0.075 ppm	0.083 ppm	0.070 ppm (State/National)	
PM ₁₀	24 hours	37.0 µg/m ³	35.0 µg/m ³	47.0 µg/m ³	50 µg/m ³ (State)	San Diego - Kearny Villa Road
	Annual	17.0 µg/m ³	17.1 µg/m ³	17.6 µg/m ³	20 µg/m ³ (State)	
PM _{2.5}	24 hours	25.7 µg/m ³	19.4 µg/m ³	27.5 µg/m ³	35 µg/m ³ (National)	San Diego - Kearny Villa Road
	Annual	7.2 µg/m ³	7.5 µg/m ³	7.9 µg/m ³	12 µg/m ³ (National)	
SO ₂	1 hour	1.2 ppb	1.8 ppb	1.1 ppb	75 ppb (National)	El Cajon - Floyd Smith Drive (2015-2016); El Cajon - First Street (2017)
	24 hours	0.4 ppb	0.5 ppb	0.4 ppb	140 ppb (National)	
NO ₂	1 hour	51 ppb	53 ppb	54 ppb	100 ppb (National)	San Diego - Kearny Villa Road
	Annual	9.31 ppb	9.19 ppb	9.15 ppb	53 ppb (National)	
CO	1 hour	2.6 ppb	2.2 ppb	1.5 ppb	20 (State)	San Diego - Beardsley Street (2015-2016); El Cajon - First Street (2017)
	8 hours	1.9 ppb	1.7 ppb	1.4 ppb	9.0 (State)	

Notes:

¹ Ozone, PM₁₀, PM_{2.5} data obtained from CARB iDAM: Air Quality Data Statistics. Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. Available at: <https://arb.ca.gov/adam/select8/sc8start.php>.

² SO₂, NO₂, and CO data obtained from EPA AirData. Available at: <https://www.epa.gov/outdoor-air-quality-data/monitor-values-report>.

Abbreviations:

CARB - California Air Resources Board
 CO - carbon monoxide
 EPA - Environmental Protection Agency
 NO₂ - nitrogen dioxide
 ppb - parts per billion

ppm - parts per million
 PM₁₀ - particulate matter less than 10 microns in diameter
 PM_{2.5} - particulate matter less than 2.5 microns in diameter
 SO₂ - sulfur dioxide
 SDSU - San Diego State University
 µg/m³ - micrograms per cubic meter

Table 1-3. Frequency of Air Quality Standard Violations
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Monitoring Site	Year	Number of Days Exceeding Standard					
		National 24-Hour PM ₁₀	State 24-Hour PM ₁₀	National 24-Hour PM _{2.5}	State 1-Hour O ₃	State 8-Hour O ₃	National 8-Hour O ₃
Kearny Villa Road	2015	0	0	0	0	0	0
	2016	0	*	0	0	3	3
	2017	0	0	0	2	6	6

Notes:

¹ * = There was insufficient (or no) data available to determine the value.

² Ozone, PM₁₀, PM_{2.5} data obtained from CARB iDAM: Air Quality Data Statistics. Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. Available at: <https://arb.ca.gov/adam/select8/sc8start.php>.

Abbreviations:

CARB - California Air Resources Board

O₃ - ozone

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SDSU - San Diego State University

Table 2-1. Summary of NAAQS and CAAQS
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		-		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	-	-	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³		
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	-	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	-	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		-	-	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	-	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	-	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	-		-	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	-	
	Annual Arithmetic Mean	-		0.030 ppm (for certain areas) ¹¹	-	
Lead (Pb) ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	-	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Calendar Quarter	-		1.5 µg/m ³ (for certain areas) ¹²		
	Rolling 3-Month Average	-		0.15 µg/m ³		

Table 2-1. Summary of NAAQS and CAAQS
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

Notes:

¹ California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

² National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

³ Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

⁴ Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

⁵ National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

⁶ National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

⁷ Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

⁸ On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

⁹ On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

¹⁰ To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

¹¹ On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

¹² The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

¹³ The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

¹⁴ In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Abbreviations:

ARB - Air Resources Board

CAAQS - California Ambient Air Quality Standards

CalEEMod[®] - CALifornia Emissions Estimator MODEL

CO - carbon monoxide

lbs - pounds

mg/m³ - milligrams per cubic meter

NAAQS - National Ambient Air Quality Standards

NO_x - nitrogen oxide compounds (NO + NO₂)

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

ROG - reactive organic gases

SDSU - San Diego State University

SO_x - sulfur oxide compounds

U.S. EPA - United States Environmental Protection Agency

µg/m³ - micrograms per cubic meter

VOC - volatile organic compounds

Table 2-2. SDAPCD NAAQS and CAAQS Attainment Status
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Pollutant	Designation/Classification ¹	
	Federal Standards ²	California Standards ³
Ozone (1 Hour)	Attainment ⁴	Nonattainment
Ozone (8 Hour)	Nonattainment	Nonattainment
Respirable Particulate Matter (PM ₁₀)	Unclassifiable ⁵	Nonattainment
Fine Particulate Matter (PM _{2.5})	Attainment	Nonattainment
Carbon Monoxide (CO)	Attainment	Attainment
Nitrogen Dioxide (NO ₂)	Attainment	Attainment
Sulfur Dioxide (SO ₂)	Attainment	Attainment
Lead (Particulate)	Attainment	Attainment
Visibility Reducing Particles	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Vinyl Chloride	No Federal Standard	Attainment

Notes:

¹ See SDAPCD Attainment Status. Available at: <https://www.sdapcd.org/content/sdc/apcd/en/air-quality-planning/attainment-status.html>. Accessed March 2019.

² See 40 CFR Part 81.

³ See CCR Title 17 Sections 60200-60210.

⁴ The federal 1-hour standard of 12 ppm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because this benchmark is addressed in State Implementation Plans.

⁵ At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

Abbreviations:

CAAQS - California Ambient Air Quality Standards

CCR - California Code of Regulations

CFR - Code of Federal Regulations

CO - carbon monoxide

NAAQS - National Ambient Air Quality Standards

NO₂ - nitrogen dioxide

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

ROG - reactive organic gases

SDAPCD - San Diego Air Pollution Control District

SDSU - San Diego State University

SO_x - sulfur oxide compounds

Table 3-1. SDACPD Air Quality Significance Criteria
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Pollutant	Stationary Source Emissions (lbs/day) ¹
Reactive Organic Gases (ROG)	137
Oxides of Nitrogen (NO _x)	250
Carbon Monoxide (CO)	550
Oxides of Sulfur (SO _x)	250
Respirable Particulate Matter (PM ₁₀)	100
Fine Particulate Matter (PM _{2.5}) ²	67

Notes:

¹ City of San Diego CEQA Thresholds. Table A-2 San Diego Air Pollution Control District Pollutant Thresholds for Stationary Sources. The VOC threshold is based on SCAQMD levels and the MBAPCD, which has similar federal and state attainment status as San Diego. Available at https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: March 2019.

² SDACPD, 2018. Rule 20.2 New Source Review Non-Major Stationary Sources. PM_{2.5} threshold based on SDAPCD Pollutant Thresholds for Stationary Sources Table 20.2-1, which is referenced in the City of San Diego CEQA Thresholds. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf. Accessed: March 2019.

Abbreviations:

- CO - carbon monoxide
- lb - pound
- NO_x - nitrogen oxide compounds (NO + NO₂)
- PM₁₀ - particulate matter less than 10 microns in diameter
- PM_{2.5} - particulate matter less than 2.5 microns in diameter
- ROG - reactive organic gases
- SDAPCD - San Diego Air Pollution Control District
- SDSU - San Diego State University
- SO_x - sulfur oxide compounds

Table 4-1a. Construction Schedule Assumptions
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Construction Phase Name ¹	CalEEMod [®] Phase Type ¹	Start Date ¹	End Date ¹	Phase Duration ² (days)
Grading Phase A	Grading	2/1/2020	7/31/2020	130
Site Preparation Phase A	Site Preparation	8/1/2020	12/31/2021	370
Building Construction Stadium (Phase A)	Building Construction	8/1/2020	3/1/2022	412
Grading Phase A (cont'd)	Grading	12/1/2021	4/15/2022	98
Grading Phase B (Rough Residential Pad & Initial River Park)	Grading	4/16/2022	7/31/2022	75
Site Preparation Phase B (utilities)	Site Preparation	1/1/2022	6/14/2022	117
Paving Stadium (Phase A)	Paving	12/1/2021	7/31/2022	173
Demolition of SDCCU (Phase A)	Demolition	1/1/2022	4/15/2022	75
Architectural Coating Stadium (Phase A)	Architectural Coating	3/1/2022	7/31/2022	109
Demolition of SDCCU (Phase B)	Demolition	4/16/2022	6/30/2022	54
Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	6/15/2022	6/30/2024	533
Grading Phase C	Grading	8/1/2022	12/31/2022	110
Building Construction Phase C1	Building Construction	7/1/2024	9/30/2027	849
Site Preparation - Off-Site Improvements	Site Preparation	7/1/2025	1/7/2026	137
Paving Phase C1	Paving	10/1/2027	8/14/2028	227
Architectural Coating Phase C1	Architectural Coating	8/17/2028	6/30/2029	227
Building Construction Phase C2	Building Construction	7/1/2028	10/1/2031	848
Paving Phase C2	Paving	10/2/2031	8/15/2032	227
Architectural Coating Phase C2	Architectural Coating	8/18/2032	6/30/2033	227
Building Construction Phase C3	Building Construction	7/1/2032	10/1/2035	848
Paving Phase C3	Paving	10/2/2035	8/14/2036	228
Architectural Coating Phase C3	Architectural Coating	8/15/2036	6/30/2037	228

Notes:

¹ Construction phases and duration are based on Project-specific estimates.

² The construction work week was assumed to be 5 days per week.

Abbreviations:

CalEEMod[®] - California Emissions Estimator Model

SDCCU - San Diego County Credit Union

SDSU - San Diego State University

Table 4-1b. Construction Equipment Mix Assumptions

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase Name	CalEEMod® Phase Type	Equipment Type	Number of Equipment ^{1,2}	Hours per day ^{1,2}	Horsepower (hp) ¹	Load Factor ¹
Grading Phase A	Grading	Excavators	4	8	158	0.38
		Graders	3	8	187	0.41
		Rubber Tired Dozers	2	8	247	0.4
		Scrapers	6	8	367	0.48
		Tractors/Loaders/Backhoes	6	8	97	0.37
Site Preparation Phase A	Site Preparation	Rubber Tired Dozers	6	8	247	0.4
		Tractors/Loaders/Backhoes	6	8	97	0.37
Building Construction Stadium (Phase A)	Building Construction	Cranes	3	16	231	0.29
		Forklifts	6	16	89	0.2
		Generator Sets	3	16	84	0.74
		Tractors/Loaders/Backhoes	5	16	97	0.37
		Welders	8	16	46	0.45
Grading Phase A (cont'd)	Grading	Excavators	4	8	158	0.38
		Graders	3	8	187	0.41
		Rubber Tired Dozers	3	8	247	0.4
		Scrapers	4	8	367	0.48
		Tractors/Loaders/Backhoes	5	8	97	0.37
Paving Stadium (Phase A)	Paving	Pavers	3	8	130	0.42
		Paving Equipment	2	8	132	0.36
		Rollers	4	8	80	0.38
Site Preparation Phase B (utilities)	Site Preparation	Rubber Tired Dozers	3	8	247	0.4
		Tractors/Loaders/Backhoes	8	8	97	0.37
Demolition of SDCCU (Phase A)	Demolition	Concrete/Industrial Saws	5	16	81	0.73
		Excavators	5	16	158	0.38
		Rubber Tired Dozers	8	16	247	0.4
		Crushing/Proc. Equipment	3	16	1001	0.74
Architectural Coating Stadium (Phase A)	Architectural Coating	Air Compressors	8	6	78	0.48
Demolition of SDCCU (Phase B)	Demolition	Concrete/Industrial Saws	5	16	81	0.73
		Excavators	5	16	158	0.38
		Rubber Tired Dozers	3	16	247	0.4
		Crushing/Proc. Equipment	3	16	1001	0.74
Grading Phase B (Rough Residential Pad & Initial River Parks)	Grading	Excavators	6	8	158	0.38
		Graders	4	8	187	0.41
		Rubber Tired Dozers	3	8	247	0.4
		Scrapers	6	8	367	0.48
		Tractors/Loaders/Backhoes	6	8	97	0.37
Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	Rubber Tired Dozers	6	8	247	0.4
		Tractors/Loaders/Backhoes	8	8	97	0.37
Grading Phase C	Grading	Excavators	4	8	158	0.38
		Graders	6	8	187	0.41
		Rubber Tired Dozers	3	8	247	0.4
		Scrapers	4	8	367	0.48
		Tractors/Loaders/Backhoes	6	8	97	0.37
Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	Rubber Tired Dozers	6	8	247	0.4
		Tractors/Loaders/Backhoes	8	8	97	0.37
Building Construction Phase C1	Building Construction	Cranes	4	7	231	0.29
		Forklifts	8	8	89	0.2
		Generator Sets	3	8	84	0.74
		Tractors/Loaders/Backhoes	6	7	97	0.37
		Welders	6	8	46	0.45
Site Preparation - Off-Site Improvements	Site Preparation	Rubber Tired Dozers	3	8	247	0.4
		Tractors/Loaders/Backhoes	4	8	97	0.37
Paving Phase C1	Paving	Pavers	2	8	130	0.42
		Paving Equipment	2	8	132	0.36
		Rollers	2	8	80	0.38
Building Construction Phase C2	Building Construction	Cranes	6	7	231	0.29
		Forklifts	8	8	89	0.2
		Generator Sets	6	8	84	0.74
		Tractors/Loaders/Backhoes	6	7	97	0.37
		Welders	6	8	46	0.45
Architectural Coating Phase C1	Architectural Coating	Air Compressors	4	6	78	0.48

Table 4-1b. Construction Equipment Mix Assumptions

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase Name	CalEEMod® Phase Type	Equipment Type	Number of Equipment ^{1,2}	Hours per day ^{1,2}	Horsepower (hp) ¹	Load Factor ¹
Paving Phase C2	Paving	Pavers	4	8	130	0.42
		Paving Equipment	2	8	132	0.36
		Rollers	4	8	80	0.38
Building Construction Phase C3	Building Construction	Cranes	4	7	231	0.29
		Forklifts	3	8	89	0.2
		Generator Sets	1	8	84	0.74
		Tractors/Loaders/Backhoes	3	7	97	0.37
		Welders	1	8	46	0.45
Architectural Coating Phase C2	Architectural Coating	Air Compressors	4	6	78	0.48
Paving Phase C3	Paving	Pavers	2	8	130	0.42
		Paving Equipment	2	8	132	0.36
		Rollers	2	8	80	0.38
Architectural Coating Phase C3	Architectural Coating	Air Compressors	4	6	78	0.48

Notes:

¹ Operation hours, horsepower, and load factor based on CalEEMod® defaults. Available at: www.caleemod.com. Accessed: September 2018.

² Additional updates were made to equipment mix and operational hours to reflect project-specific information.

Abbreviations:

CalEEMod® - California Emissions Estimator Model

hp - horsepower

SDCCU - San Diego County Credit Union

SDSU - San Diego State University

Table 4-1c. Construction Vehicle Trips Summary (2020-2023)

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Vehicle Trip Type	Vehicle Trips per Working Day ¹									
	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
Worker	97	103	164	187	187	246	265	295	228	228
Vendor	24	24	84	84	120	128	128	128	68	68
Hauling	420	420	420	0	20	160	160	160	160	160

Vehicle Trip Type	Vehicle Trips per Working Day ¹									
	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
Worker	304	392	411	449	468	335	335	316	289	289
Vendor	108	156	156	156	96	96	96	96	96	96
Hauling	160	160	160	160	160	160	160	160	160	160

Vehicle Trip Type	Vehicle Trips per Working Day ¹									
	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022	Jul-2022
Worker	213	213	194	270	232	270	270	270	251	126
Vendor	76	76	76	76	36	56	36	36	36	16
Hauling	160	160	160	0	0	0	0	160	160	160

Vehicle Trip Type	Vehicle Trips per Working Day ¹									
	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023	Mar-2023	Apr-2023	May-2023
Worker	126	126	126	126	126	126	126	122	122	122
Vendor	16	16	16	16	16	16	16	16	16	16
Hauling	160	160	160	160	0	0	0	0	0	0

Vehicle Trip Type	Vehicle Trips per Working Day ¹						
	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
Worker	111	92	92	92	92	92	92
Vendor	8	8	8	8	8	8	8
Hauling	0	0	0	0	0	0	0

Notes:

¹ Worker, Vendor, and Hauling trips for 2020-2023 are project-specific values. Construction is expected to occur 5 days per week.

Table 4-1d. Construction Vehicle Trips Summary (2024-2037)

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Construction Phase Name	Start Date	End Date	Worker Trips per Day¹	Vendor Trips per Day¹
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	92	8
Building Construction Phase C1	7/1/2024	9/30/2027	189	58
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	18	0
Paving Phase C1	10/1/2027	8/14/2028	15	0
Architectural Coating Phase C1	7/1/2028	10/1/2031	38	0
Building Construction Phase C2	8/17/2028	6/30/2029	122	32
Paving Phase C2	10/2/2031	8/15/2032	25	0
Architectural Coating Phase C2	7/1/2032	10/1/2035	24	0
Building Construction Phase C3	8/18/2032	6/30/2033	122	32
Paving Phase C3	10/2/2035	8/14/2036	15	0
Architectural Coating Phase C3	8/15/2036	6/30/2037	24	0

Notes:

¹ Trips are presented as one-way trips and are based on CalEEMod[®] defaults with the exception of Finish Phase B (Finish Residential Pad and River Park). Finish Phase B (Finish Residential Pad and River Park) trips are based on project-specific data. The one-way trip lengths for worker and vendor trips are also based on CalEEMod[®] defaults and are 10.8 and 7.3 miles, respectively. There are no hauling trips associated with these construction phases.

Abbreviations:

CalEEMod[®] - California Emissions Estimator Model
 SDCCU - San Diego County Credit Union
 SDSU - San Diego State University

Table 4-1e. Demolition Waste Volumes
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Phase Name	Size Metric	Unit Amount ¹
Demolition of SDCCU (Phase A)	Tons of Debris	215,000
Demolition of SDCCU (Phase B)	Tons of Debris	215,000

Notes:

¹ Debris quantity based on project-specific data.

Abbreviations:

SDCCU - San Diego County Credit Union

SDSU - San Diego State University

Table 4-2. Summary of Criteria Air Pollutant Construction Emissions (Unmitigated)

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Year	Maximum Daily Unmitigated Emission Estimates ¹					
	VOC ²	NO _x	CO	SO _x	PM ₁₀ ³	PM _{2.5} ³
	lb/day					
2020	25	264	162	0.5	30	17
2021	34	364	245	0.6	38	22
2022	153	832	695	3.6	163	51
2023	6	57	40	0.1	18	10
2024	6	55	53	0.1	20	11
2025	8	70	71	0.2	13	8
2026	8	70	71	0.2	13	8
2027	5	44	52	0.1	4	2
2028	32	64	79	0.2	4	3
2029	32	60	72	0.1	4	3
2030	6	34	63	0.1	2	1
2031	6	34	63	0.1	2	1
2032	20	25	49	0.1	2	1
2033	20	16	29	0.1	2	1
2034	2	13	22	0.1	1	1
2035	2	11	22	0.1	1	0
2036	17	5	16	0.0	0	0
2037	17	3	7	0.0	0	0

Notes:

¹ Emissions shown here are based on project-specific construction schedule, equipment list, and on-road vehicle trips. CalEEMod[®] defaults were used for on-site construction equipment horsepower and load factors. Emissions for 2020 through 2023 were calculated using CalEEMod derived emission factors (see Appendix C-2) and emissions for 2024 through 2037 were estimated using CalEEMod[®] (see Appendix B-2).

² For purposes of this analysis VOC emissions are assumed to be equal to ROG.

³ PM emissions are estimated as a sum of exhaust, tire wear, brake wear, and fugitive emissions. Watering of the site is assumed to take place twice daily per Rule 55 resulting in a 55% reduction in fugitive PM.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MOD_e PM_{2.5} - particulate matter less than 2.5 microns in diameter
 CAP - criteria air pollutant PM₁₀ - particulate matter less than 10 microns in diameter
 CO - carbon monoxide ROG - reactive organic compounds
 lbs - pounds SO_x - sulfur oxide compounds
 NO_x - nitrogen oxide compounds (NO + NO₂) VOC - volatile organic compounds
 PM - particulate matter

Table 4-3. Criteria Air Pollutant Emissions Associated with Operational Area Sources

SDSU Mission Valley Campus Master Plan Project
San Diego, California

	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
(lb/day)						
Existing						
Architectural Coating	3.7	0.0	0.0	0.0	0.0	0.0
Consumer Products	16	0.0	0.0	0.0	0.0	0.0
Hearth	0.0	0.0	0.0	0.0	0.0	0.0
Landscaping	0.0	0.0	0.0	0.0	0.0	0.0
Total	20	0.0	0.0	0.0	0.0	0.0
Project						
Architectural Coating	36	0.0	0.0	0.0	0.0	0.0
Consumer Products	163	0.0	0.0	0.0	0.0	0.0
Hearth ³	0.4	3.8	1.6	0.0	0.3	0.3
Landscaping	11	4.4	380	0.0	2.1	2.1
Total	210	8.2	381	0.0	2.4	2.4

Notes:

¹ Categories that CalEEMod[®] classifies as "Area Sources."

² Emissions were estimated using CalEEMod[®].

³ These emissions include the project's design feature that limits the number of natural gas hearths to 5% of the dwelling units.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODel

CO - carbon monoxide

lb - pound

NO_x - nitrogen oxide compounds (NO + NO₂)

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SO_x - sulfur oxide compounds

SDSU - San Diego State University

VOC - volatile organic compounds

Table 4-4a. Project Stadium Natural Gas Usage Rates
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Project Entitlement	Land Use Amount		Title 24 Natural Gas ¹	Non-Title 24 Natural Gas ¹
			kBTU/SF	kBTU/SF
Sports Stadium	14.82	acre	2.39	4.03

Notes:

¹ Energy usage is based on energy usage reported in the Qualcomm Stadium Reconstruction Project EIR. Energy demand data from Qualcomm Stadium was obtained and normalized by attendance for the stadiums. The data were then converted to a kBTU/SF value and applied to the Project stadium.

Abbreviations:

- EIR - Environmental Impact Report
- kBTU - 1000 British thermal unit
- kWh - kilowatt-hour
- SF - square foot
- SDSU - San Diego State University

Table 4-4b. Existing Stadium Natural Gas Usage Rates
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Project Entitlement	Land Use Amount		Title 24 Natural Gas ¹	Non-Title 24 Natural Gas ¹
			kBTU/SF	kBTU/SF
Sports Stadium	15	acre	1.04	1.75

Notes:

¹ Energy usage is based on energy usage reported in the Qualcomm Stadium Reconstruction Project EIR. Energy demand data from Qualcomm Stadium was obtained and normalized by attendance for the stadiums. The data were then converted to a kBTU/SF value and applied to the existing (2018) stadium.

Abbreviations:

- EIR - Environmental Impact Report
- kBTU - 1000 british thermal unit
- kWh - kilowatt-hour
- SF - square foot
- SDSU - San Diego State University

Table 4-4c. Criteria Air Pollutant Emissions Associated with Natural Gas Use
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

CalEEMod® Land Use	Project Entitlement	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
		(lb/day)					
Existing							
User Defined Recreational	Stadium	0.05	0.49	0.41	0.00	0.04	0.04
Parking Lot	Surface Lot	0	0	0	0	0	0
Total		0.1	0.5	0.4	0.0	0.0	0.0
Project							
Apartments High Rise	Market-based Housing (High-Rise Apartments)	0.49	4.16	1.77	0.03	0.34	0.34
Apartments Mid Rise	Market-based Housing (Mid-Rise Apartments)	0.44	3.77	1.60	0.02	0.30	0.30
City Park	Active Parks	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse High Rise	Market-based Housing (Condo/Townhouse High Rise)	0.02	0.13	0.06	0.00	0.01	0.01
Enclosed Parking with Elevator	Structured Parking	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	Campus/Tech Office Space	0.70	6.32	5.31	0.04	0.48	0.48
Health Club	Recreational Center	0.01	0.08	0.07	0.00	0.01	0.01
Hotel	Hotel	1.00	9.11	7.65	0.05	0.69	0.69
Medical Office Building	Medical Office Space	0.06	0.54	0.46	0.00	0.04	0.04
Regional Shopping Center	Retail (Regional Shopping Center)	0.01	0.05	0.04	0.00	0.00	0.00
Research & Development	Scientific Research	0.10	0.93	0.79	0.01	0.07	0.07
Supermarket	Retail (Supermarket)	0.01	0.08	0.07	0.00	0.01	0.01
Apartments Mid Rise	Student-focused Housing	0.07	0.56	0.24	0.00	0.05	0.05
City Park	Community Park/River Park	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Recreational	Stadium	0.12	1.11	0.94	0.01	0.08	0.08
City Park	Additional Open Space	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.0	26.8	19.0	0.2	2.1	2.1

Notes:

¹ Energy usage for each land use was based on CalEEMod® databases, includes natural gas demand.

² Emissions were estimated using CalEEMod®.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODEL

CO - carbon monoxide

lb - pounds

NO_x - nitrogen oxide compounds (NO + NO₂)

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SO_x - sulfur oxide compounds

SDSU - San Diego State University

VOC - volatile organic compounds

Table 4-5a. Project Trip Rates
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Land Use Type	CalEEMod®		Units	Size Metric	Project Trip Rates (trips/size metric/day) ^{1,2,3,4}			% Trip Type ⁵			Trip Length ⁶		
	Land Use Category	Proposed Land Use Subtype			Weekday	Saturday	Sunday	Primary %	Diverted %	Pass-By %	C-C or H-W	C-W or H-S	C-NW or H-O
Market-based Housing	Residential	Condo/Townhouse High Rise	70	DU	4.92	4.43	4.43	100%	0%	0%	8.35486	8.35486	8.35486
		Mid-Rise Apartments	2,010	DU	4.92	4.43	4.43	100%	0%	0%	8.35486	8.35486	8.35486
		High-Rise Apartments	2,220	DU	4.92	4.43	4.43	100%	0%	0%	8.35486	8.35486	8.35486
Student-focused Housing		Mid-Rise Apartments	300	DU	3.61	3.28	3.28	100%	0%	0%	8.35486	8.35486	8.35486
Campus/Tech Office Space	Commercial	General Office Building	1,165	TSF	14.1	3.19	3.19	100%	0%	0%	8.35486	8.35486	8.35486
Medical Office	Commercial	Medical Office Building	100	TSF	47.1	11.6	11.6	100%	0%	0%	8.35486	8.35486	8.35486
Scientific Research	Commercial	Research & Development	301	TSF	6.56	1.07	1.07	100%	0%	0%	8.35486	8.35486	8.35486
Sports Stadium ⁷	Recreational	User Defined Recreational	14.82	acre	1,288.73	0.00	0.00	100%	0%	0%	20.60	0.0	0.0
Hotel	Recreational	Hotel	400	rooms	8.20	8.04	8.04	100%	0%	0%	8.35486	8.35486	8.35486
Retail	Retail	Regional Shopping Center	83	TSF	107	131	131	100%	0%	0%	8.35486	8.35486	8.35486
		Supermarket	12	TSF	134	223	223	100%	0%	0%	8.35486	8.35486	8.35486
Recreational Center	Recreational	Health Club	25	TSF	32.8	10.3	10.3	100%	0%	0%	8.35486	8.35486	8.35486
Structured Parking	Parking	Enclosed Parking Structure with Elevator	11,270	spaces	0	0	0	100%	0%	0%	NA	NA	NA
Community Park/River Park	Recreational	City Park	6	acre	4.10	10.33	10.33	100%	0%	0%	8.35486	8.35486	8.35486
Active Parks	Recreational	City Park	50	acre	41.0	103.0	103.0	100%	0%	0%	8.35486	8.35486	8.35486
Additional	Recreational	City Park	28	acre	0	0	0	100%	0%	0%	NA	NA	NA

Notes:

- ¹ Trip rates provided by Fehr & Peers. The 7% mixed use credit and 11% transit/bike/walk credit are applied to cumulative (i.e., primary) trips.
- ² The retail trip rates (supermarket and neighborhood retail) were calculated consistent with Fehr & Peers analysis showing that 60% of total trips for these land uses are primary (i.e., not pass-by) trips. The medical office space trip rates were calculated consistent with Fehr & Peers analysis showing that 32% of total trips are primary (i.e., not pass-by) trips.
- ³ Trips to the structured parking are included in the other land uses, and therefore the structured parking does not generate any new trips.
- ⁴ The "Additional" City Park represents parks that people would not be expected to drive to and therefore does not generate any new trips.
- ⁵ The trip type was set to 100% primary to align with the VMT and trip data from Fehr & Peers.
- ⁶ The trip length was calculated to align with the VMT and trip data from Fehr & Peers. The stadium VMT and trip data were calculated separately from the other land uses and thus is based on different data.
- ⁷ The stadium trip rate for the Air Quality Analysis is based on the peak day.

Abbreviations:

CalEEMod® - California Emissions Estimator Model	H-O - home-other
C-C - commercial-customer	H-S - home-shop
C-NW -commercial-nonwork	H-W -home-work
C-W - commercial-work	SDSU - San Diego State University
DU - dwelling unit	TSF - thousand square feet

Table 4-5b. Existing Condition Trip Rates
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Land Use Type	CalEEMod [®]		Units	Size Metric	Project Trip Rates (trips/size metric/day) ^{1,2}			% Trip Type			Trip Length		
	Land Use Category	Proposed Land Use Subtype			Weekday	Saturday	Sunday	Primary %	Diverted %	Pass-By %	C-C or H-W	C-W or H-S	C-NW or H-O
Sports Stadium	Recreational	User Defined Recreational	15	acre	6,433.77	0.00	0.00	100%	0%	0%	7.30	0.00	0.00
Parking	Parking	Parking Lot	151	acre	0.00	0.00	0.00	0%	0%	0%	7.30	9.50	7.30

Notes:

¹ Project trip rates derived from VMT encompassing events occurring in the existing stadium provided by Fehr & Peers.

² Trips to the parking lot are included in the other land uses, and therefore the parking lot does not generate any new trips.

Abbreviations:

CalEEMod[®] - California Emissions Estimator Model

C-C - commercial-customer

C-NW -commercial-nonwork

C-W - commercial-work

DU - dwelling unit

H-O - home-other

H-S - home-shop

H-W - home-work

SDSU - San Diego State University

TSF - thousand square feet

VMT - vehicle miles traveled

Table 4-5c. Criteria Air Pollutant Emissions Associated with Traffic for Operational Mobile Sources
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

CalEEMod® Land Use	Project Entitlement	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
		(lb/day)					
Existing							
User Defined Recreational	Stadium	213	869	2,438	7	552	153
Parking Lot	Surface Lot	0	0	0	0	0	0
	Total	213	869	2,438	7	552	153
Project							
Apartments High Rise	Market-based Housing (High-Rise Apartments)	12	56	155	0.7	81	22
Apartments Mid Rise	Market-based Housing (Mid-Rise Apartments)	11	51	140	0.6	73	20
City Park	Active Parks	3.5	15	43	0.2	22	6.1
Condo/Townhouse High Rise	Market-based Housing (Condo/Townhouse High Rise)	0.4	1.8	4.9	0.0	2.6	0.7
Enclosed Parking with Elevator	Structured Parking	0	0	0	0	0	0
General Office Building	Campus/Tech Office Space	15	67	186	0.8	98	26
Health Club	Recreational Center	0.8	3.5	10	0.0	5.0	1.4
Hotel	Hotel	3.8	17	48	0.2	25	6.7
Medical Office Building	Medical Office Space	4.3	20	54	0.2	28	7.6
Regional Shopping Center	Retail (Regional Shopping Center)	11	50	138	0.6	72	20
Research & Development	Scientific Research	1.8	7.9	22	0.1	11	3.1
Supermarket	Retail (Supermarket)	2.2	10	28	0.1	15	3.9
Apartments Mid Rise	Student-focused Housing	1.1	4.9	14	0.1	7.2	1.9
City Park	Community Park/River Park	0	0	0	0	0	0
User Defined Recreational	Stadium	33	142	524	2.5	305	82
City Park	Additional Open Space	0	0	0	0	0	0
	Total	101	446	1,364	6.2	746	201

Notes:

¹ Mobile emissions estimated using CalEEMod®.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel

CO - carbon monoxide

lb - pound

NO_x - nitrogen oxide compounds (NO + NO₂)

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SDSU - San Diego State University

SO_x - sulfur oxide compounds

VOC - volatile organic compounds

Table 4-6. Criteria Air Pollutant Emissions Associated with Stationary Sources
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Equipment Type	Fuel Type	Size (hp)	Load Factor	Operation (hours/year)	Emission Factors (lb/hp-hr)						Emissions (lbs/day)					
					ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Existing Emergency Generator ¹	Diesel	40	0.67	52	0.002	0.012	0.009	1.08E-05	9.87E-04	9.87E-04	0.009	0.045	0.035	0.000	0.004	0.004
Project Emergency Generator ²	Diesel	2,012	0.73	52	0.002	0.010	0.006	1.08E-05	3.31E-04	3.31E-04	0.470	2.103	1.199	0.002	0.069	0.069

Conversion:

453.592 g/lb
 365 days/year
 0.7457 kW/hp

Notes:

- ¹ Existing assumes one 40-hp emergency generator operating one hour per week.
- ² Project assumes one 1500 kW emergency generator operating one hour per week.

Abbreviations:

- CO - carbon monoxide
- g - gram
- hp - horsepower
- hr - hour
- kW - kilowatt
- lb - pound
- NO_x - nitrogen oxide compounds (NO + NO₂)
- PM₁₀ - particulate matter less than 10 microns in diameter
- PM_{2.5} - particulate matter less than 2.5 microns in diameter
- ROG - reactive organic gases
- SDSU - San Diego State University
- SO₂ - sulfur dioxide

Table 5-1. Source Parameters

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Source Parameter¹	Input
Release Height (m)	5
Initial Vertical Dimension (m)	1.4
Source Schedule	7 am - 7 pm Monday - Friday
Source Group	Offroad
Elevations	From AERMAP

Notes:

¹ Developed based on SCAQMD's Localized Significance Threshold methodology and the USEPA AERMOD User's Guide.

Abbreviations:

AERMOD - Regulatory Model Improvement Committee Model

m - meters

SCAQMD - South Coast Air Quality Management District

SDSU - San Diego State University

USEPA - United States Environmental Protection Agency

Table 5-2. Unmitigated and Mitigated DPM Emission Estimates for Off-Road Construction Equipment
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Year	Construction Phase Name	Unmitigated		Mitigated	
		DPM Emission Estimates (ton/yr) ¹	Emission Rate (g/s) ¹	DPM Emission Estimates (ton/yr) ^{1,2}	Emission Rate (g/s) ^{1,2}
2020	Grading Phase A	0.3726	0.0301	0.0342	0.0028
2020	Site Preparation Phase A	0.2250	0.0182	0.0135	0.0011
2021	Site Preparation Phase A	0.5044	0.0407	0.0323	0.0026
2020	Building Construction Stadium (Phase A)	0.3484	0.0281	0.2843	0.0230
2021	Building Construction Stadium (Phase A)	0.7172	0.0579	0.6540	0.0528
2022	Building Construction Stadium (Phase A)	0.0984	0.0079	0.1018	0.0082
2021	Grading Phase A (cont'd)	0.0552	0.0045	0.0052	0.0004
2022	Grading Phase A (cont'd)	0.1479	0.0119	0.0168	0.0014
2022	Grading Phase B (Rough Residential Pad & Initial River Park)	0.1902	0.0154	0.0226	0.0018
2022	Site Preparation Phase B (utilities)	0.1154	0.0093	0.0126	0.0010
2021	Paving Stadium (Phase A)	0.0119	0.0010	0.0106	0.0009
2022	Paving Stadium (Phase A)	0.0650	0.0052	0.0692	0.0056
2022	Demolition of SDCCU (Phase A)	0.5535	0.0447	0.4702	0.0380
2022	Architectural Coating Stadium (Phase A)	0.0356	0.0029	0.0415	0.0034
2022	Demolition of SDCCU (Phase B)	0.2859	0.0231	0.2972	0.0240
2022	Finish Phase B (Finish Residential Pad and River Park)	0.2306	0.0186	0.0203	0.0016
2023	Finish Phase B (Finish Residential Pad and River Park)	0.3292	0.0266	0.0369	0.0030
2024	Finish Phase B (Finish Residential Pad and River Park)	0.1598	0.0129	0.1598	0.0129
2022	Grading Phase C	0.2495	0.0202	0.0286	0.0023
2024	Building Construction Phase C1	0.1244	0.0100	0.1244	0.0100
2025	Building Construction Phase C1	0.2137	0.0173	0.2137	0.0173
2026	Building Construction Phase C1	0.2137	0.0173	0.2137	0.0173
2027	Building Construction Phase C1	0.1596	0.0129	0.1596	0.0129
2025	Site Preparation - Off-Site Improvements	0.0717	0.0058	0.0717	0.0058
2026	Site Preparation - Off-Site Improvements	0.0027	0.0002	0.0027	0.0002
2027	Paving Phase C1	0.0138	0.0011	0.0138	0.0011
2028	Paving Phase C1	0.0337	0.0027	0.0337	0.0027
2028	Architectural Coating Phase C1	0.0100	0.0008	0.0100	0.0008
2029	Architectural Coating Phase C1	0.0134	0.0011	0.0134	0.0011
2028	Building Construction Phase C2	0.1403	0.0113	0.1403	0.0113
2029	Building Construction Phase C2	0.2818	0.0228	0.2818	0.0228
2030	Building Construction Phase C2	0.0814	0.0066	0.0814	0.0066
2031	Building Construction Phase C2	0.0611	0.0049	0.0611	0.0049
2031	Paving Phase C2	0.0177	0.0014	0.0177	0.0014
2032	Paving Phase C2	0.0441	0.0036	0.0441	0.0036
2032	Architectural Coating Phase C2	0.0040	0.0003	0.0040	0.0003
2033	Architectural Coating Phase C2	0.0052	0.0004	0.0052	0.0004
2032	Building Construction Phase C3	0.0147	0.0012	0.0147	0.0012
2033	Building Construction Phase C3	0.0289	0.0023	0.0289	0.0023
2034	Building Construction Phase C3	0.0289	0.0023	0.0289	0.0023
2035	Building Construction Phase C3	0.0137	0.0011	0.0137	0.0011
2035	Paving Phase C3	0.0061	0.0005	0.0061	0.0005
2036	Paving Phase C3	0.0153	0.0012	0.0153	0.0012
2036	Architectural Coating Phase C3	0.0020	0.0002	0.0020	0.0002
2037	Architectural Coating Phase C3	0.0026	0.0002	0.0026	0.0002
Total DPM Emissions from Construction Equipment		6.3	tons	3.9	tons

Notes:

¹ DPM emissions are calculated using PM₁₀ as a surrogate. PM₁₀ emissions from off-road exhaust are calculated using CalEEMod[®] and converted from tpy to g/s assuming a schedule of 5 days a week and 12 hours per day.

² The emissions presented in this table reflect MM-AQ-1 based on results calculated in CalEEMod[®]. Reductions in DPM emissions for Grading and Paving phases from the use of DPF were estimated outside CalEEMod[®].

Abbreviations:

CalEEMod[®] - California Emissions Estimator Model
 DPM - diesel particulate matter
 DPF - diesel particulate filter
 g - gram

PM₁₀ - particulate matter less than 10 microns in diameter
 s - second
 SDCCU - San Diego County Credit Union
 SDSU - San Diego State University

Table 5-3a. Exposure Parameters for Cancer Risk Calculations (Resident)

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Calendar Year	Receptor Age Group	Exposure Parameters					
		Daily Breathing Rate ¹ , DBR (L/kg-day)	Age Sensitivity Factor ² , ASF	Exposure Duration ² , ED (years)	Fraction of Time at Home ¹ , FAH	Exposure Frequency ² , EF	Averaging Time ² , AT (years)
2020	Third Trimester	361	10	0.25	1	0.96	70
2020	0 - 2	1090	10	0.75	1	0.96	70
2021	0 - 2	1090	10	1	1	0.96	70
2022	0 - 2	1090	10	0.25	1	0.96	70
2022	2 - 16	572	3	0.75	1	0.96	70
2023	2 - 16	572	3	1	1	0.96	70
2024	2 - 16	572	3	1	1	0.96	70
2025	2 - 16	572	3	1	1	0.96	70
2026	2 - 16	572	3	1	1	0.96	70
2027	2 - 16	572	3	1	1	0.96	70
2028	2 - 16	572	3	1	1	0.96	70
2029	2 - 16	572	3	1	1	0.96	70
2030	2 - 16	572	3	1	1	0.96	70
2031	2 - 16	572	3	1	1	0.96	70
2032	2 - 16	572	3	1	1	0.96	70
2033	2 - 16	572	3	1	1	0.96	70
2034	2 - 16	572	3	1	1	0.96	70
2035	2 - 16	572	3	1	1	0.96	70
2036	2 - 16	572	3	0.25	1	0.96	70
2036	16 - 30	261	1	0.75	0.73	0.96	70
2037	16 - 30	261	1	1	0.73	0.96	70

Notes:

¹ The daily breathing rate and fraction of time at home are based upon SDAPCD Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: March 2019.

² The age sensitivity factor, exposure duration, exposure frequency, and averaging time are obtained from OEHHA's 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments. Available at: <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>. Accessed: March 2019.

Abbreviations

ASF - age sensitivity factor	FAH - fraction of time at home
AT - averaging time	kg - kilogram
CEF - combined exposure factor	L - liter
DBR - daily breathing rate	OEHHA - Office of Environmental Health Hazard Assessment
ED - exposure duration	SDAPCD - San Diego Air Pollution Control District
EF - exposure frequency	SDSU - San Diego State University

Table 5-3b. Exposure Parameters for Cancer Risk Calculations (Worker)

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Calendar Year	Receptor Age Group	Exposure Parameters					
		Daily Breathing Rate ¹ , DBR (L/kg-day)	Age Sensitivity Factor ² , ASF	Exposure Duration ² , ED (years)	Exposure Frequency ² , EF	Averaging Time ² , AT (years)	Worker Adjustment Factor ³ , WAF
2020	16-41	230	1	1	0.68	70	2.8
2021	16-41	230	1	1	0.68	70	2.8
2022	16-41	230	1	1	0.68	70	2.8
2022	16-41	230	1	1	0.68	70	2.8
2023	16-41	230	1	1	0.68	70	2.8
2024	16-41	230	1	1	0.68	70	2.8
2025	16-41	230	1	1	0.68	70	2.8
2026	16-41	230	1	1	0.68	70	2.8
2027	16-41	230	1	1	0.68	70	2.8
2028	16-41	230	1	1	0.68	70	2.8
2029	16-41	230	1	1	0.68	70	2.8
2030	16-41	230	1	1	0.68	70	2.8
2031	16-41	230	1	1	0.68	70	2.8
2032	16-41	230	1	1	0.68	70	2.8
2033	16-41	230	1	1	0.68	70	2.8
2034	16-41	230	1	1	0.68	70	2.8
2035	16-41	230	1	1	0.68	70	2.8
2036	16-41	230	1	1	0.68	70	2.8
2036	16-41	230	1	1	0.68	70	2.8
2037	16-41	230	1	1	0.68	70	2.8

Notes:

¹ The daily breathing rate is based upon SDAPCD Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf. Accessed: March 2019.

² The exposure duration, exposure frequency, and averaging time are obtained from OEHHA's 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments. Available at: <https://oehha.ca.gov/media/downloads/cnrn/2015guidancemanual.pdf>. Accessed: March 2019.

³ Modeling adjustment factor was applied to adjust long-term averages calculated from AERMOD which typically represent exposures for receptors that were present 24 hours a day and seven days a week to model worker exposure during their work shift.

Abbreviations:

AST - age sensitivity factor	kg - kilogram
AT - averaging time	L - liter
CEF - combined exposure factor	OEHHA - Office of Environmental Health Hazard Assessment
DBR - daily breathing rate	SDAPCD - San Diego Air Pollution Control District
ED - exposure duration	SDSU - San Diego State University
EF - exposure frequency	

Table 5-4. Toxicity Values Used to Calculate Health Impacts

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Toxic Air Contaminant	Cancer Potency Factor¹ (mg/kg-day)⁻¹	Chronic Reference Exposure Level¹ (µg/m³)	8-Hour Chronic Reference Exposure Level¹ (µg/m³)	Acute Reference Exposure Level¹ (µg/m³)	Target Organs for Chronic Hazard Index²
DPM	1.1E+00	5.0E+00	-	-	Respiratory

Notes:

¹ Obtained from the ARB's Table 1. Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. Available at: <https://www.arb.ca.gov/toxics/healthval/contable.pdf>. Accessed: March 2019.

² Obtained from the ARB's Table 4. OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs. Available at: <https://www.arb.ca.gov/toxics/healthval/totables.pdf>. Accessed: March 2019.

Abbreviations:

(mg/kg-day)⁻¹ - per milligram per kilogram-day

µg/m³ - micrograms per cubic meter

ARB - Air Resources Board

DPM - Diesel Particulate Matter

OEHHA - Office of Environmental Health Hazard Assessment

SDSU - San Diego State University

Table 5-5. Summary of Health Risk Impacts from Project Construction

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor Type	Unmitigated Maximum Cancer Risk¹ (in a million)	Mitigated Maximum Cancer Risk¹ (in a million)	Unmitigated Maximum Chronic Hazard Index²	Mitigated Maximum Chronic Hazard Index²
Worker	12.2	7.4	0.084	0.046
Off-Site Resident	53.1	28.1	0.041	0.022
Sensitive	42.2	22.3	0.032	0.018
SDAPCD Notification Requirement³	10	10	1	1
Exceeds Threshold?	YES	YES	NO	NO

Notes:

¹ Maximum incremental cancer risks are calculated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.

² The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the annual average air concentration to the non-cancer chronic reference exposure level for each chemical.

³ SDAPCD Notification Requirements. Available at: https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf. Accessed: March 2019.

Abbreviations:

SDAPCD - San Diego Air Pollution Control District

SDSU - San Diego State University

Table 6-1a. List of Intersections at LOS D or Above for Existing Plus Project Scenario

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Intersection¹	Peak Hour	LOS²
3. Frazee Rd & Friars Rd	P.M.	E
8. River Run Dr & Friars Rd	P.M.	D
9. Fenton Pkwy & Friars Rd	P.M.	F
10. Northside Dr & Friars Rd	P.M.	F
11. Stadium Way (Street A) & Friars Rd	P.M.	F
14. Street D & Street 4	P.M.	F
17. I-15 SB Ramps & Friars Rd	A.M.	F
17. I-15 SB Ramps & Friars Rd	P.M.	F (F)
18. I-15 NB Ramps & Friars Rd	A.M.	E (F)
18. I-15 NB Ramps & Friars Rd	P.M.	F (F)
19. Rancho Mission Rd & Friars Rd	A.M.	C (E)
19. Rancho Mission Rd & Friars Rd	P.M.	C (E)
28. Qualcomm Way & Camino del Rio N/Camino de la Reina	P.M.	E
29. Qualcomm Way & I-8 WB Off-Ramp/Camino del Rio N	P.M.	D
31. Texas St & Camino del Rio S	A.M.	D
31. Texas St & Camino del Rio S	P.M.	E
34. Fairmount Ave & Mission Gorge Rd	P.M.	D
35. Fairmount Ave & Camino del Rio N	A.M.	E
35. Fairmount Ave & Camino del Rio N	P.M.	F
37. Montezuma Rd & Collwood Blvd	A.M.	D
41. Ruffin Rd & Aero Dr	P.M.	D

Notes:

¹ Intersections provided by Fehr & Peers.

² LOS designations shown in parentheses are the result of additional delay due to ramp metering during peak hours.

Abbreviations:

A.M. – ante meridiem (before noon)

CO - carbon monoxide

EB - Eastbound

LOS - Level of Service

NB - Northbound

P.M. – post meridiem (after noon)

SB - Southbound

SDSU - San Diego State University

WB - Westbound

Table 6-1b. List of Intersections at LOS D or Above for Horizon Plus Project Scenario

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Intersection ¹	Peak Hour	LOS ²	Intersection ¹	Peak Hour	LOS ²
1. SR-163 SB Ramps/Ulric St & Friars Rd	A.M.	D	22. Mission Gorge Rd & Friars Rd	A.M.	D
1. SR-163 SB Ramps/Ulric St & Friars Rd	P.M.	E	22. Mission Gorge Rd & Friars Rd	P.M.	E
2. SR-163 NB Ramps & Friars Rd	P.M.	D	23. Qualcomm Way & Rio San Diego Dr	P.M.	D
3. Frazee Rd & Friars Rd	A.M.	D	24. Rio San Diego Dr & River Run Dr	P.M.	D
3. Frazee Rd & Friars Rd	P.M.	E	26. Rancho Mission Rd & San Diego Mission Rd	A.M.	D
5. Mission Center Rd & Friars Rd EB Ramps	P.M.	D	26. Rancho Mission Rd & San Diego Mission Rd	P.M.	D
8. River Run Dr & Friars Rd	P.M.	E	27. Fairmount Ave & San Diego Mission Rd/ Twain Ave	A.M.	D
9. Fenton Pkwy & Friars Rd	P.M.	F	27. Fairmount Ave & San Diego Mission Rd/ Twain Ave	P.M.	D
10. Northside Dr & Friars Rd	P.M.	F	28. Qualcomm Way & Camino del Rio N/Camino de la Reina	P.M.	E
11. Stadium Way (Street A) & Friars Rd 4	P.M.	F	29. Qualcomm Way & I-8 WB Off-Ramp/Camino del Rio N	P.M.	E
12. Mission Village Dr & Friars Rd WB Ramps	P.M.	D	31. Texas St & Camino del Rio S	A.M.	F
14. Street D & Street 4	P.M.	F	31. Texas St & Camino del Rio S	P.M.	F
17. I-15 SB Ramps & Friars Rd	A.M.	F	34. Fairmount Ave & Mission Gorge Rd	P.M.	E
17. I-15 SB Ramps & Friars Rd	P.M.	F (F)	35. Fairmount Ave & Camino del Rio N	A.M.	F
18. I-15 NB Ramps & Friars Rd	A.M.	F (F)	35. Fairmount Ave & Camino del Rio N	P.M.	F
18. I-15 NB Ramps & Friars Rd	P.M.	F (F)	36. I-8 EB Off-Ramp & Fairmount Ave	P.M.	D
19. Rancho Mission Rd & Friars Rd	A.M.	C (F)	37. Montezuma Rd & Collwood Blvd	A.M.	D
19. Rancho Mission Rd & Friars Rd	P.M.	F (F)	37. Montezuma Rd & Collwood Blvd	P.M.	D
20. Santo Rd & Friars Rd	A.M.	D	40. Gramercy Dr/Mission Village Dr & Ruffin Rd	P.M.	D
21. Riverdale St & Friars Rd	A.M.	D	41. Ruffin Rd & Aero Dr	A.M.	D
21. Riverdale St & Friars Rd	P.M.	D	41. Ruffin Rd & Aero Dr	P.M.	D

Notes:

¹ Intersections provided by Fehr & Peers.

² LOS designations shown in parentheses are the result of additional delay due to ramp metering during peak hours.

Abbreviations:

A.M. – ante meridiem (before noon)
 CO - carbon monoxide
 EB - Eastbound
 LOS - Level of Service
 NB - Northbound

P.M. – post meridiem (after noon)
 SB - Southbound
 SDSU - San Diego State University
 WB - Westbound

Table 6-2a. Summary of CO Concentrations for Existing Plus Project Scenario

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Total Roadway CO Concentrations - Existing	CO Concentration (ppm)											
	A.M. Peak Hour				P.M. Peak Hour				8-hour			
	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge
Intersections												
11. Stadium Way (Street A) & Friars Rd	3.7	3.3	3.2	3.0	4.3	3.7	3.5	3.2	3.1	2.7	2.5	2.4
14. Street D & Street 4	3.6	3.2	3.1	2.9	4.0	3.4	3.2	3.1	2.9	2.5	2.4	2.2
17. I-15 SB Ramps & Friars Rd	4.0	3.5	3.3	3.1	4.5	3.9	3.6	3.3	3.2	2.8	2.6	2.4
Maximum CO Concentration	4.0	3.5	3.3	3.1	4.5	3.9	3.6	3.3	3.2	2.8	2.6	2.4
Threshold ¹	20.0								9.0			
Above Threshold?	No	No	No	No	No	No	No	No	No	No	No	No

Notes:

¹ City of San Diego CEQA Significance Determination Thresholds, CAAQS. Available at: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: April 2019.

Abbreviations:

- A.M. - ante meridiem (before noon)
- CO - carbon monoxide
- EB - Eastbound
- LOS - Level of Service
- NB - Northbound
- P.M. - post meridiem (after noon)
- SB - Southbound
- SDSU - San Diego State University
- WB - Westbound

Table 6-2b. Summary of CO Concentrations for Horizon Plus Project Scenario

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Total Roadway CO Concentrations - Future	CO Concentration (ppm)											
	A.M. Peak Hour				P.M. Peak Hour				8-hour			
	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge	Roadway Edge	25 Feet from Roadway Edge	50 Feet from Roadway Edge	100 Feet from Roadway Edge
Intersections												
11. Stadium Way (Street A) & Friars Rd	3.2	3.0	2.9	2.8	3.5	3.2	3.1	2.9	2.5	2.3	2.2	2.1
14. Street D & Street 4	3.1	2.9	2.8	2.8	3.3	3.0	2.9	2.8	2.4	2.2	2.1	2.1
17. I-15 SB Ramps & Friars Rd	3.4	3.1	3.0	2.9	3.6	3.3	3.1	3.0	2.6	2.4	2.3	2.2
Maximum CO Concentration	3.4	3.1	3.0	2.9	3.6	3.3	3.1	3.0	2.6	2.4	2.3	2.2
Threshold ¹	20.0								9.0			
Above Threshold?	No	No	No	No	No	No	No	No	No	No	No	No

Notes:

¹ City of San Diego CEQA Significance Determination Thresholds, CAAQS. Available at: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: April 2019.

Abbreviations:

- A.M. - ante meridiem (before noon)
- CO - carbon monoxide
- EB - Eastbound
- LOS - Level of Service
- NB - Northbound
- P.M. - post meridiem (after noon)
- SB - Southbound
- SDSU - San Diego State University
- WB - Westbound

Table 7-1. Operational Emissions Reduction due to Transportation Demand Management
 SDSU Mission Valley Campus Master Plan Project
 San Diego, California

	Without TDM	With TDM	Units
Total VMT per Year ¹	278,160,643	238,077,694	(miles/yr)
Total VMT Reduction due to TDMs ²	14.41%		
Mobile Emissions			
ROG	100.6	86.1	(lbs/day)
CO	1,364.4	1,167.8	(lbs/day)
NO _x	446.5	382.1	(lbs/day)
PM ₁₀	746.0	638.5	(lbs/day)
PM _{2.5}	201.3	172.3	(lbs/day)
SO ₂	6.25	5.35	(lbs/day)

Notes:

¹ Total VMT based on the trip rates and trip lengths for the Project as calculated by using CalEEMod[®].

² Reduction due to TDMs based on Fehr & Peers, *Transportation Impact Analysis (2019)*.

Abbreviations:

- CalEEMod[®] - CALifornia Emissions Estimator MODeI
- CAP - criteria air pollutant
- CO - carbon monoxide
- EMFAC - California Air Resources Board Emissions Factor Model
- lbs - pounds
- NO_x - oxides of nitrogen
- PM_{2.5} - particulate matter less than 2.5 microns in diameter
- PM₁₀ - particulate matter less than 10 microns in diameter
- ROG - reactive organic gases
- SDSU - San Diego State University
- SO₂ - sulfur dioxide
- TDM - Transportation Demand Management
- VMT - vehicle miles traveled
- yr - year

References:

Fehr and Peers. 2019. Traffic Impact Analysis.

Table 9-1. Unmitigated Maximum Daily Construction Emissions Compared to Thresholds

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Year	Maximum Daily Unmitigated Emission Estimates ¹					
	VOC ²	NO _x	CO	SO _x	PM ₁₀ ³	PM _{2.5} ³
	lb/day					
2020	25	264	162	0.5	30	17
2021	34	364	245	0.6	38	22
2022	153	832	695	3.6	163	51
2023	6	57	40	0.1	18	10
2024	6	55	53	0.1	20	11
2025	8	70	71	0.2	13	8
2026	8	70	71	0.2	13	8
2027	5	44	52	0.1	4	2
2028	32	64	79	0.2	4	3
2029	32	60	72	0.1	4	3
2030	6	34	63	0.1	2	1
2031	6	34	63	0.1	2	1
2032	20	25	49	0.1	2	1
2033	20	16	29	0.1	2	1
2034	2	13	22	0.1	1	1
2035	2	11	22	0.1	1	0
2036	17	5	16	0.0	0	0
2037	17	3	7	0.0	0	0
Maximum Day	153	832	695	3.6	163	51
SDAPCD Significance Thresholds^{4,5}	137	250	550	250	100	67
Exceeds Threshold for Any Year of Construction?	YES	YES	YES	NO	YES	NO

Notes:

¹ Maximum daily unmitigated emission estimates for calendar years 2020 to 2023 were obtained from Tables C-4a through C-4j in Appendix C. Maximum daily unmitigated emissions for other calendar years (2024 and beyond) were obtained directly from the CalEEMod output in Appendix B-2. Refer to Section 4.2 for further details.

² For purposes of this analysis VOC emissions are assumed to be equal to ROG.

³ PM emissions are estimated as a sum of exhaust, tire wear, brake wear, and fugitive emissions. Watering of the site is assumed to take place twice daily per Rule 55 resulting in a 55% reduction in fugitive PM.

⁴ City of San Diego CEQA Thresholds. Table A-2 San Diego Air Pollution Control District Pollutant Thresholds for Stationary Sources. The VOC threshold is based on SCAQMD levels and the MBAPCD, which has similar federal and state attainment status as San Diego. Available at https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: March 2019.

⁵ SDACPD, 2018. Rule 20.2 New Source Review Non-Major Stationary Sources. PM_{2.5} threshold based on SDAPCD Pollutant Thresholds for Stationary Sources Table 20.2-1, which is referenced in the City of San Diego CEQA Thresholds. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf. Accessed: March 2019.

Abbreviations:

- | | |
|--|--|
| CalEEMod® - CALifornia Emissions Estimator MODel | PM _{2.5} - particulate matter less than 2.5 microns in diameter |
| CAP - criteria air pollutant | PM ₁₀ - particulate matter less than 10 microns in diameter |
| CEQA - California Environmental Quality Act | ROG - reactive organic compounds |
| CO - carbon monoxide | SCAQMD - South Coast Air Quality Management District |
| lbs - pounds | SDAPCD - San Diego Air Pollution Control District |
| NO _x - nitrogen oxide compounds (NO + NO ₂) | SO _x - sulfur oxide compounds |
| PM - particulate matter | VOC - volatile organic compounds |

Table 9-2. Mitigated Maximum Daily Construction Emissions Compared to Thresholds

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Year	Maximum Daily Mitigated Emission Estimates					
	VOC ³	NO _x	CO	SO _x	PM ₁₀ ⁴	PM _{2.5} ⁴
	lb/day					
2020	13	210	173	0.5	26	15
2021	16	256	276	0.6	34	20
2022	112	637	871	3.6	155	48
2023	2	40	49	0.1	16	8
2024	6	55	53	0.1	17	10
2025	8	70	71	0.2	12	7
2026	8	70	71	0.2	12	7
2027	5	44	52	0.1	4	2
2028	32	64	79	0.2	4	3
2029	32	60	72	0.1	4	3
2030	6	34	63	0.1	2	1
2031	6	34	63	0.1	2	1
2032	20	25	49	0.1	2	1
2033	20	16	29	0.1	2	1
2034	2	13	22	0.1	1	1
2035	2	11	22	0.1	1	0
2036	17	5	16	0.0	0	0
2037	17	3	7	0.0	0	0
Maximum Day	112	637	871	3.6	155	48
SDAPCD Significance Thresholds^{5,6}	137	250	550	250	100	67
Exceeds Threshold for Any Year of Construction?	NO	YES	YES	NO	YES	NO

Notes:

¹ Maximum daily mitigated emission estimates for calendar years 2020 to 2023 were obtained from Tables C-5a through C-5j in Appendix C. Maximum daily mitigated emissions for other calendar years (2024 and beyond) were obtained directly from the CalEEMod output in Appendix B-2.

² The results shown in this table were adjusted to reflect MM-AQ-1 based on the results as calculated by CalEEMod. These adjustments reflect the anticipated improvement of MM-AQ-1 compared to default OFFROAD emission factors.

³ For purposes of this analysis VOC emissions are assumed to be equal to ROG.

⁴ PM emissions are estimated as a sum of exhaust, tire wear, brake wear, and fugitive emissions. Watering of the site is assumed to take place three times daily per MM-AQ-1.

⁵ City of San Diego CEQA Thresholds. Table A-2 San Diego Air Pollution Control District Pollutant Thresholds for Stationary Sources. The VOC threshold is based on SCAQMD levels and the MBAPCD, which has similar federal and state attainment status as San Diego. Available at https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: March 2019.

⁶ SDACPD, 2018. Rule 20.2 New Source Review Non-Major Stationary Sources. PM_{2.5} threshold based on SDAPCD Pollutant Thresholds for Stationary Sources Table 20.2-1, which is referenced in the City of San Diego CEQA Thresholds. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf. Accessed; March 2019.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel	PM _{2.5} - particulate matter less than 2.5 microns in diameter
CAP - criteria air pollutant	PM ₁₀ - particulate matter less than 10 microns in diameter
CEQA - California Environmental Quality Act	ROG - reactive organic compounds
CO - carbon monoxide	SCAQMD - South Coast Air Quality Management District
lbs - pounds	SDAPCD - San Diego Air Pollution Control District
NO _x - nitrogen oxide compounds (NO + NO ₂)	SO _x - sulfur oxide compounds
PM - particulate matter	VOC - volatile organic compounds

Table 9-3. Operational Emissions Compared to Thresholds with Project Design Features

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Emission Source	Maximum Daily Unmitigated Emission Estimates					
	VOC ¹	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	(lbs/day)					
Area ²	210	8.19	381	0.04	2.42	2.42
Energy ²	3.0	26.8	19.0	0.16	2.08	2.08
Mobile ^{2,3}	86.1	382	1,168	5.35	639	172
Stationary	0.5	2.1	1.2	0.0	0.1	0.1
Total Daily Emissions	299	417	1,568	5.56	643	177
SDAPCD Significance Thresholds^{3,4,5}	137	250	550	250	100	67
Exceeds Threshold?	YES	YES	YES	NO	YES	YES

Notes:

¹ For purposes of this analysis VOC emissions are assumed to be equal to ROG.

² Emissions estimated using CalEEMod[®]. Refer to Appendix B-4 for CalEEMod[®] outputs.

³ TDM-related mobile emission reductions calculated in Table 7-1.

⁴ City of San Diego CEQA Thresholds. Available at https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf. Accessed: March 2019.

⁵ SDACPD, 2018. Rule 20.2 New Source Review Non-Major Stationary Sources. PM_{2.5} threshold based on SDAPCD Pollutant Thresholds for Stationary Sources Table 20.2-1, which is referenced in the City of San Diego CEQA Thresholds. Available at: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf. Accessed: March 2019.

Abbreviations:

CalEEMod[®] - CALifornia Emissions Estimator MODeL

CO - carbon monoxide

EMFAC - Emission FACTors model

lbs - pounds

NO_x - nitrogen oxide compounds (NO + NO₂)

PM_{2.5} - particulate matter less than 2.5 microns in diameter

PM₁₀ - particulate matter less than 10 microns in diameter

ROG - reactive organic gases

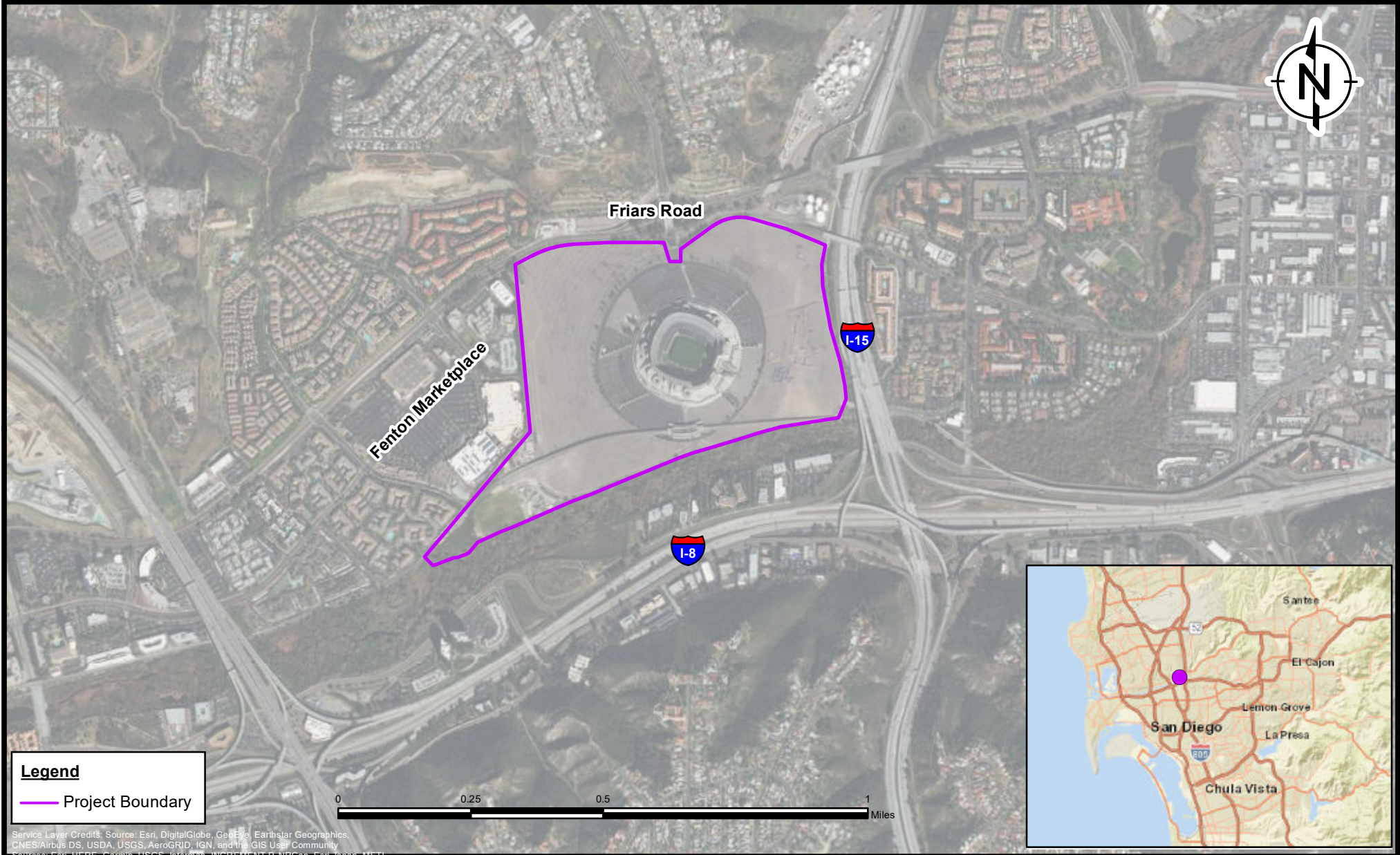
SDAPCD - San Diego Air Pollution Control District

SO_x - sulfur oxide compounds

TDM - transportation demand management

VOC - volatile organic compounds

FIGURES



Project Site Location

SDSU Mission Valley Campus Master Plan Project
San Diego, California

FIGURE
1



Legend
— Modeled Construction Area Source

Service Layer Credits: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



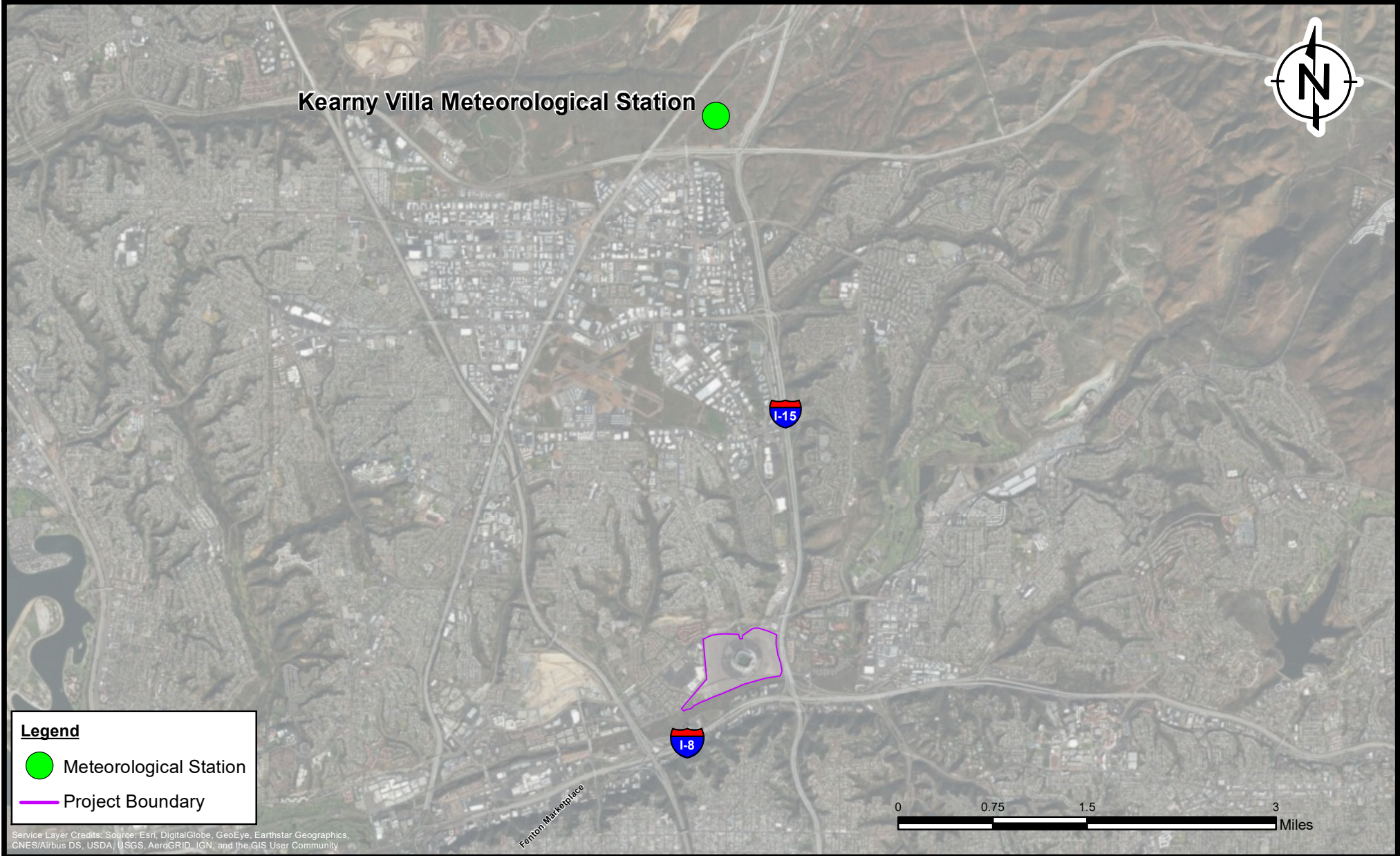
Modeled Construction Area
SDSU Mission Valley
San Diego, California

FIGURE
2

DRAFTED BY:

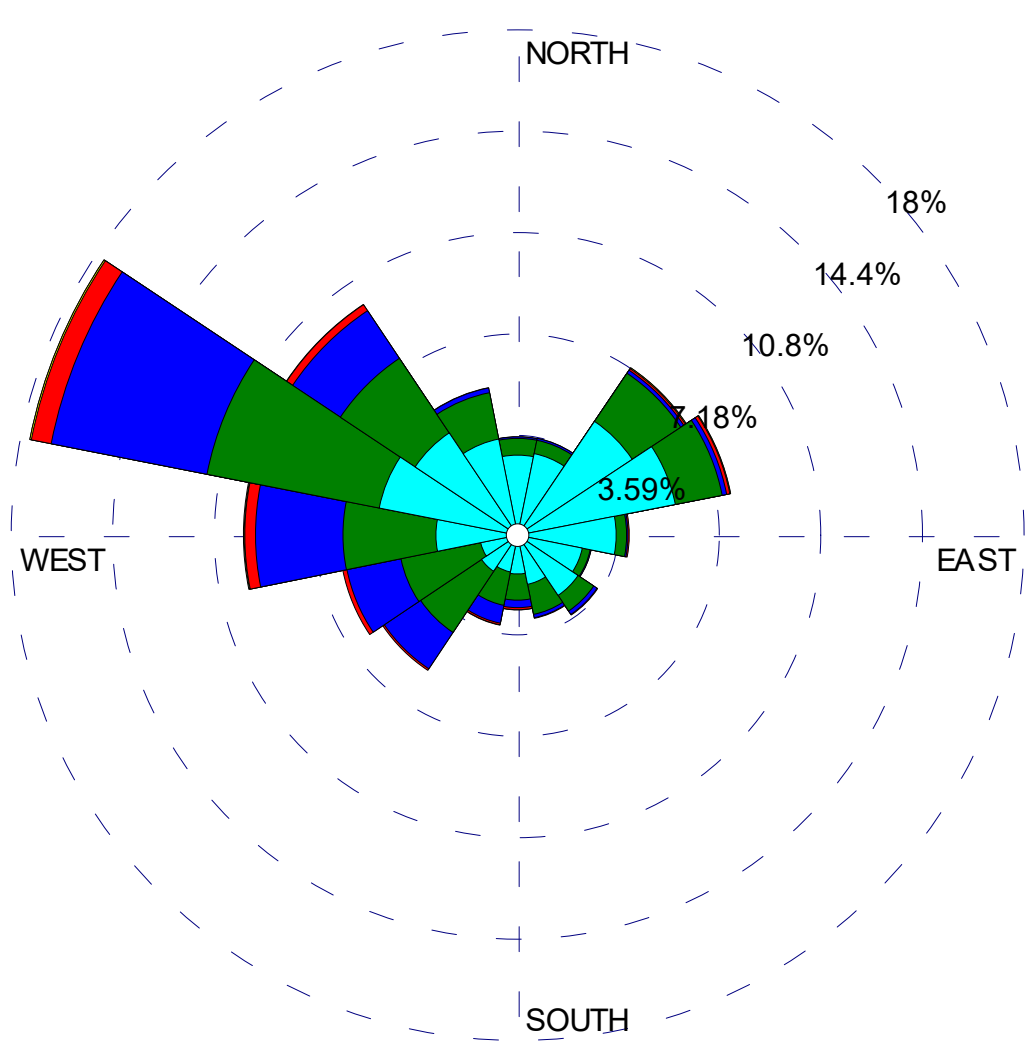
DATE: 5/17/2019

PROJECT: 169008171



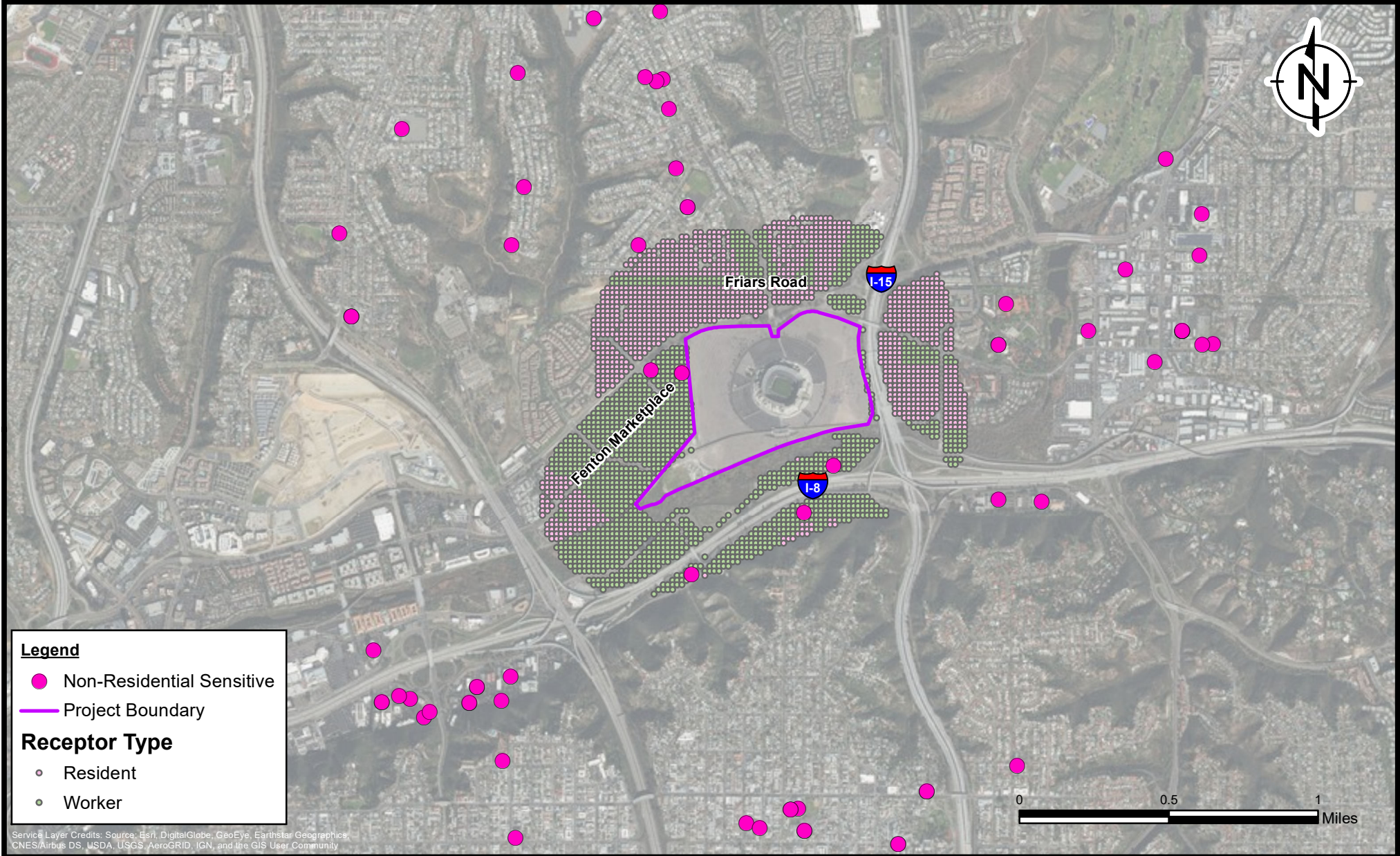
Location of Meteorological Station
SDSU Mission Valley Campus Master Plan Project
San Diego, California

FIGURE
3



Z:\01_Projects\SDSU\Figures\Figure 4_Wind_Rose.mxd

	<p>Wind Rose for Kearny Villa Meteorological Station (2014 - 2016)</p> <p>SDSU Mission Valley Campus Master Plan Project San Diego, California</p>	<p>FIGURE 4</p>
DRAFTED BY: HN	DATE: 6/4/2019	PROJECT: 169008171





Location of Maximum Cancer Risk Impacts from Construction Emissions (Unmitigated)

SDSU Mission Valley Campus Master Plan Project
San Diego, California

FIGURE
6

DRAFTED BY:

DATE: 6/14/2019

PROJECT: 169008171



RAMBOLL

DRAFTED BY: DATE: 6/14/2019

Location of Maximum Cancer Risk Impacts from Construction Emissions (Mitigated)
SDSU Mission Valley Campus Master Plan Project
San Diego, California

FIGURE 7

PROJECT: 169008171

APPENDIX A
CONSISTENCY ANALYSIS FOR DRAFT
MVCP AND ADOPTED CITY CAP

Appendix A-1 – Consistency with the City of San Diego’s Mission Valley Community Plan

Measure/Strategy	Description	Consistency Analysis
City of San Diego’s Mission Valley Community Plan ¹		
DG-27 Solar Access and Energy Conservation	Employ climate-appropriate design strategies to allow for passive solar access and energy-efficient installations, including: <ul style="list-style-type: none"> - Allowing for adequate access to light and air so that daylight is able to reach all living spaces for part of the day, and adequate ventilation is provided when windows are open. Prioritize south-facing windows and private open space. - Siting building so that plazas and other public spaces will not be kept in shadows at all times and will not experience excessive wind conditions. - Locating parking areas with large paved surfaces to the east and north of adjacent buildings to reduce solar reflection on buildings. - Placing evergreen trees on the west side of buildings to provide protection from prevailing winds. 	<p>Consistent. The proposed project would comply with applicable standards set forth in the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11), which contributes to the energy conservation noted in this measure. As to the building and site orientation recommendations contained in this measure, the layout of the project’s development areas has been designed to maximize the unique infill opportunity presented at this Mission Valley location. The project proposes a compatible mix of land uses that would intersect in a campus setting.</p>
DG-28 Energy	Consider clustering buildings to use a common heating/cooling source.	<p>Consistent. The proposed project consists of a mixed-use development, which locates buildings in close proximity. The design of the site will ensure the optimum heating and cooling systems are incorporated. Thus, the nature of the proposed project complies with this measure.</p>

¹ Mission Valley Community Plan. 2019. Final Draft for Community Review. June 2019. Available at: <https://www.sandiego.gov/planning/community/cpu/missionvalley>. Accessed June 2019.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
DG-34 Roof Surfaces	Consider locating sloped roof surfaces facing the south, and at an angle that can accommodate solar panel or film installation for renewable energy generation or centralized solar hot water heating.	Consistent. The proposed project would install solar photovoltaic (PV) panels throughout the development areas, and roof surfaces with appropriate attributes for solar generation would be selected. For more information on the attributes of the solar design commitment, please see Section 5.1 .
DG-40 Operable windows	Wherever applicable, provide operable windows that allow natural ventilation and potentially eliminate the need for mechanical ventilation. If mechanical systems are necessary, use energy-efficient and low emission heating, ventilation, and air conditioning (HVAC) systems.	Consistent. Project development areas would maximize natural ventilation. Mechanical systems also would be designed and built according to all applicable building code and energy efficiency standards (see, e.g., Cal. Code Regulations, Title 24, Parts 6 and 11).
DG-45 Energy and Building Materials	Use building materials which will act as insulators or conductors, depending on energy needs.	Consistent. Project development areas would meet the applicable requirements of the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11), which includes requirements for building materials.
DG-62 Sustainable Materials	Where possible, use sustainable building materials to the maximum extent feasible. Incorporate recycled, renewable, sustainable, and non-toxic/low-VOC (volatile organic compound) materials. Use of locally harvested and/or manufactured materials is desired.	Consistent. The proposed project would comply with applicable standards set forth in the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11), which includes requirements for building materials. In addition, the proposed project would comply with applicable San Diego Air Pollution Control District (SDAPCD) rules governing VOC content of coatings. Where applicable, compliance with the Buy Clean California Act (AB 262, 2017) also would be required to aid in the reduction of GHG emissions associated with the manufacture and transport of products used in public works projects.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
DG-63 Sustainable Landscaping	Provide on-site landscaping improvements that minimize heat gain and provide attractive and context sensitive landscape environments, by: <ul style="list-style-type: none"> - Building roof gardens, eco-roofs, or other vegetated roof systems to help reduce the solar heat gain of building roofs and to serve as shared open space. - Minimizing impervious surfaces that have large thermal gain. 	<p>Consistent. The proposed project integrates extensive parks and landscaping, including the planting of new, on-site trees. (See, e.g., EIR Section 2.0, Project Description.) Further, project design parameters do not preclude the use of vegetated roofing systems; the installation of such systems would be determined on a building-by-building basis, following consideration of site orientation, building use, available rooftop space (following PV installation), and other factors. In addition, the proposed project would comply with applicable requirements of the CalGreen Building Standards Code (Cal. Code Regulations, Title 24, Part 11), which address the reduction of impervious surfaces. Site development is compact by design, in order to maximize the available infill opportunity. Impervious surfaces would be utilized where needed, and complemented by the proposed extensive park areas along the San Diego River.</p>
DG-64 Water Efficiency and Conservation	Install water saving appliances and systems such as grey water systems, moisture-sensitive irrigation rainwater cisterns, and low-flow toilets and faucets. Any exterior systems should be integrated into building design.	<p>Consistent. The proposed project would comply with applicable requirements of the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11), and the City of San Diego’s (City) Climate Action Plan (CAP) Checklist, which include requirements for water management, efficiency and conservation.</p>

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
DG-67 Energy Generation	Integrate energy generation and sustainability such as solar, wind, geothermal or other technologies into the overall building design consistent with the architectural design.	Consistent. The proposed project would install solar PV panels through the development areas. For more information on the attributes of the solar design commitment, please see Section 5.1.
DG-68 Carbon Sequestration	Incorporate new trees into site plans that have the potential for storage and sequestration of high levels of carbon.	Consistent. The proposed project includes planting of new trees (approximately 3.5 times the number of new trees compared to what currently exists at the site).
DG-69 Zero Net Energy Buildings	Strive for zero net energy in a building design.	Consistent. Project development areas would incorporate energy efficiency measures in compliance with the version of the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11) applicable at the time of building permit application, and incorporate solar PV panels beyond what is required by existing regulatory standards. It also is noted that the 2019 Title 24, Part 6 standards – which go into effect on January 1, 2020 – include zero net electricity requirements for low-rise residential buildings (3 stories or less).

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
DG-73 Mobility Hubs	Design areas around trolley stations to provide for a range of services that can improve first-last mile connections. This includes drop-off/pick-up areas for ride-hailing and shuttle services, space for scooter- and bikeshare storage, parking spaces dedicated to carsharing services, charging stations, and package pick-up areas.	<p>Consistent. The proposed project site is located near the existing, underutilized Metropolitan Transit System (MTS) Green Line Stadium Station, and would provide an enhanced pedestrian connection to this station. The proposed project also would incorporate connectivity as part of the project design, which includes establishing a sustainable, walkable, and transit-oriented campus with enriched pedestrian spaces, walking paths and trails, as well as electric vehicle charging stations. The project’s Transportation Demand Management (TDM) Program also includes elements such as bicycle racks and secure bicycle parking; showers and lockers for employees; a transportation corridor and an information-sharing website and kiosks; coordination with the SANDAG’s iCommute program; guaranteed rides home; unbundled residential parking; and, metered and time-limited on-street parking.</p>
RES-4 Residential Development	Affordable housing is encouraged to be built on site.	<p>Consistent. As required by Measure G, the proposed project is designed consistent with the City’s affordable housing requirements (i.e., 10% of total residential units).</p>

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
GBP-1 Green Building Practices	The use of sustainable building practices is highly encouraged. New buildings should strive to qualify for LEED accreditation.	Consistent. The proposed project would comply with applicable green building practices set forth in the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11). Additionally, individual buildings within the project development area would be designed to achieve LEED equivalent standards (Silver minimum); and, the project – as a whole – would be designed to achieve LEED-Neighborhood Design equivalent standards (Silver minimum).
GBP-3 Green Building Practices	New development should not inhibit the solar access of neighboring buildings to the maximum extent practical.	Consistent. The proposed project is designed to not inhibit solar access of neighboring buildings to the maximum extent practical.
BIC-1 Bicycling	New development required to build 10 long-term bicycle parking spaces should provide a sheltered Bike Kitchen – a place to use tools and repair bicycles.	Consistent. The proposed project would meet, and exceed, the number of bicycle parking spaces per dwelling unit specified in the City of San Diego Municipal Code. The proposed project also would include a place to use tools and repair bicycles.
BIC-3 Bicycling	Access plans for new development should clearly identify ingress and egress for bicycles, with minimum interaction with vehicles.	Consistent. The proposed project incorporates bicycle paths and ingress/egress points with wayfinding to minimize interaction with vehicles.
BIC-4 Bicycling	New development should provide connections to bicycle trails and routes per the San Diego Regional Bicycle Plan. Open spaces should also be located to abut or provide direct access to bicycle facilities.	Consistent. The proposed project incorporates bicycle paths and ingress/egress points. In addition, a hike-and-bike trail would be located throughout the open space portions of the proposed project.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
PRK-6 Parking	Parking areas should be distributed throughout a project site to avoid large contiguous parking areas and to integrate landscaping. Each parking area should include no more than 30 percent of the project’s parking spaces.	Consistent. The proposed project integrates landscaping into the project site and disperses parking throughout the site. Notably, many of the parking areas consist of multi-level parking garages that are consolidated, allowing additional space for landscaping, paseos, and other open areas.
PRK-8 Parking	A minimum of 10 percent landscaping of the parking lot area is encouraged.	Consistent. The proposed project integrates landscaping into the project site, including in the parking areas.
SMC-2 Smart Cities	For energy efficiency and to minimize light pollution, lighting with adaptive controls should be considered.	Consistent. The proposed project would include adaptive lighting controls, where appropriate and feasible, in order to maximize energy efficiency and minimize light pollution. In addition, the proposed project would comply with applicable energy efficiency standards set forth in the California Building Code (Cal. Code Regulations, Title 24, Parts 6 and 11), which address lighting energy efficiency.
SMC-1 Smart Cities	Consider providing priority parking and charging stations (preferably solar) to promote sustainable practices and accommodate the use of Electric Vehicles (EVs), including smaller short-distance neighborhood electric vehicles.	Consistent. The proposed project would include 503 parking spaces that are EV-ready, of which 252 spaces are equipped with EV charging stations.
PRK-4 Parking	New development should consider designating priority electric vehicle and zero emissions vehicle parking.	Consistent. The proposed project would designate certain parking spaces in prioritized locations for electric vehicles and zero emission vehicles.
PRK-2 Parking	New development should consider unbundled parking to offset development costs and encourage use of alternative transportation modes.	Consistent. The project’s Transportation Demand Management (TDM) Program requires that residential parking be unbundled from unit counts.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
TDM-1 Transportation Demand Management	New development considering community circulators as a TDM measure should evaluate a coordinated effort with additional properties to expand the service and access more community destinations.	Consistent. This measure is not applicable because the proposed project does not propose a community circulator as a part of its TDM program. The proposed project’s TDM program includes several other measures that enhance mobility throughout the project site.
TDM-2 Transportation Demand Management	New development should consider developing and implementing an approved TDM Plan designed to reduce peak period automobile use and lower the minimum parking requirement. Reference San Diego Municipal Code Chapter 14, Article 2, Division 5.	Consistent. The project as developed a TDM plan which included various measures aimed at reducing peak period single occupancy automobile use and reducing parking needs.
TDM-3 Transportation Demand Management	New development should incorporate mobility hub features such as EV chargers, rideshare pick-up/drop-off space, bicycle parking, and transit information on development.	Consistent. The project will provide EV chargers in the residential, retail, office, and stadium parking areas, as well as, rideshare pick-up/drop-off space to serve these uses. Residential bicycle storage will be provided in residential parking areas and long-term and short-term bicycle parking will be available for public use at various locations in the site. Transit information will be provided by the project’s Transportation Coordinator and will be made available to all project employees and residents.
TDM-4 Transportation Demand Management	New development should designate visible space along the property frontage to allow for staging of shared vehicles, bikes, and scooters.	Consistent. Visible space for the staging of shared vehicles, bikes, and scooters will be provided along the project frontage and along the project shared-use path that connects the project’s land uses and the trolley station, as well as, other locations throughout the site as needed.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
TDM-5 Transportation Demand Management	New development should consider participating in existing TDM programs, including but not limited to those overseen by SANDAG and MTS, in order to: <ul style="list-style-type: none"> • Encourage rideshare and carpool for major employers and employment centers. • Promote car/vanpool matching services. • Continue promotion of SANDAG’s guaranteed ride home for workers who carpool throughout Mission Valley. • Provide flexible schedules and telecommuting opportunities for employees. 	Consistent. The project’s Transportation Coordinator will encourage residents and employees to participate in rideshare and carpool services and promote SANDAG’s guaranteed ride home program. Additionally, the Transportation Coordinator will encourage employers to provide flexible schedules and telecommuting opportunities.
TDM-6 Transportation Demand Management	New development should provide flexible curb space in commercial/retail and residential areas to meet the needs of shared mobility services and the changing demands of users.	Consistent. Flexible curb space will be provided in the commercial/retail and residential areas of the project in order to accommodate TNC loading and unloading operations, deliveries, and other loading activities.
TDM-7 Transportation Demand Management	New development should post information related to available transit service and bicycle infrastructure as a means to encourage use of alternative transportation modes.	Consistent. As discussed in relation to measure TDM-3, the project’s Transportation Coordinator will provide information related to available transit service and bicycle infrastructure to all residents and employees.
TDM-8 Transportation Demand Management	Employers should consider providing “parking cash out” options to employees—option for employees to receive the cash value of employer-paid parking subsidies in lieu of a parking spot—as an alternative to providing free or subsidized parking or transit passes.	Consistent. Employers that rent office space on the project site will be educated about this program by the Transportation Corridor and can decide to participate in either of the programs if they choose to do so.

Appendix A-2 – Consistency with the City of San Diego’s CAP Checklist

Measure/Strategy	Description	Consistency Analysis
City of San Diego’s CAP Checklist		
Strategy 1 Energy and Water Efficient Buildings [Roofing]	<ul style="list-style-type: none"> - Would the project include roofing materials with a minimum 3-year aged solar reflection and thermal emittance or solar reflection index equal to or greater than the values specified in the voluntary measures under California Green Building Standards Code (Attachment A)?; OR - Would the project roof construction have a thermal mass over the roof membrane, including areas of vegetated (green) roofs, weighing at least 25 pounds per square foot as specified in the voluntary measures under California Green Building Standards Code?; OR - Would the project include a combination of the above two options? 	<p>Consistent. Project development areas would comply with one, both or a combination of the roofing options provided in this strategy, as a condition of building permit issuance.</p>
Strategy 1 Energy and Water Efficient Buildings [Residential: Plumbing fixtures and fittings]	Residential buildings: <ul style="list-style-type: none"> - Kitchen faucets: maximum flow rate not to exceed 1.5 gallons per minute at 60 psi; - Standard dishwashers: 4.25 gallons per cycle; - Compact dishwashers: 3.5 gallons per cycle; and - Clothes washers: water factor of 6 gallons per cubic feet of drum capacity? 	<p>Consistent. The project’s residential development areas would comply with the maximum flow rates for plumbing fixtures and appliances provided in this strategy, as a condition of building permit issuance.</p>

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
Strategy 1 Energy and Water Efficient Buildings [Non-residential: Plumbing fixtures and fittings]	Non-residential buildings: <ul style="list-style-type: none"> - Plumbing fixtures and fittings that do not exceed the maximum flow rate specified in Table A5.303.2.3.1 (voluntary measures) of the California Green Building Standards Code (See Attachment A); and - Appliances and fixtures for commercial applications that meet the provisions of Section A5.303.3 (voluntary measures) of the California Green Building Standards Code (See Attachment A)? 	Consistent. The project’s nonresidential development areas would comply with the maximum flow rates for plumbing fixtures and appliances provided in this strategy, as a condition of building permit issuance.
Strategy 3 Bicycling, Walking, Transit, & Land Use [EV Chargers]	Multiple-family projects of 17 dwelling units or less: Would 3% of the total parking spaces required, or a minimum of one space, whichever is greater, be provided with a listed cabinet, box or enclosure connected to a conduit linking the parking spaces with the electrical service, in a manner approved by the building and safety official, to allow for the future installation of electric vehicle supply equipment to provide electric vehicle charging stations at such time as it is needed for use by residents?	Not Applicable. This strategy is not applicable because the proposed project includes more than 17 dwelling units.
Strategy 3 Bicycling, Walking, Transit, & Land Use [EV Chargers]	Multiple-family projects of more than 17 dwelling units: Of the total required listed cabinets, boxes or enclosures, would 50% have the necessary electric vehicle supply equipment installed to provide active electric vehicle charging stations ready for use by residents?	Consistent. The proposed project would provide a minimum of 85 EV-ready spaces with charging stations in the residential development areas.
Strategy 3 Bicycling, Walking, Transit, & Land Use [EV Chargers]	Non-residential projects: Of the total required listed cabinets, boxes or enclosures, would 50% have the necessary electric vehicle supply equipment installed to provide active electric vehicle charging stations ready for use?	Consistent. The proposed project would provide a minimum of 167 EV-ready spaces with charging stations in the non-residential development areas.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
Strategy 3 Bicycling, Walking, Transit & Land Use [Bicycle Parking]	Bicycle Parking Spaces: Would the project provide more short- and long-term bicycle parking spaces than required in the City’s Municipal Code (Chapter 14, Article 2, Division 5)?	Consistent. The proposed project would meet, and exceed, the number of bicycle parking spaces per dwelling unit specified in the San Diego Municipal Code.
Strategy 3 Bicycling, Walking, Transit & Land Use [Shower facilities]	If the project includes nonresidential development that would accommodate over 10 tenant occupants (employees), would the project include changing/shower facilities in accordance with the voluntary measures under the California Green Building Standards Code as shown in the table?	Consistent. The proposed project’s non-residential development areas would provide changing/shower facilities as required by the referenced CalGreen provision, as a condition of building permit issuance.
Strategy 3 Bicycling, Walking, Transit & Land Use [Parking spaces]	Designated Parking Spaces: If the project includes a nonresidential use in a TPA, would the project provide designated parking for a combination of low-emitting, fuel-efficient, and carpool/vanpool vehicles in accordance with the table?	Consistent. The proposed project’s non-residential development areas would provide designated parking for a combination of the specified vehicles, as a condition of building permit issuance.

Appendix A – Consistency Analysis for Draft MVCP and Adopted City CAP

Measure/Strategy	Description	Consistency Analysis
<p>Strategy 3 Bicycling, Walking, Transit & Land Use [TDM]</p>	<p>Transportation Demand Management Program. If the project would accommodate over 50 tenant-occupants (employees), would it include a transportation demand management program that would be applicable to existing tenants and future tenants that includes the components listed in the CAP Checklist?</p>	<p>Consistent. A Transportation Demand Management Program has been designed for the proposed project. The TDM program includes:</p> <ul style="list-style-type: none"> • Neighborhood Site Enhancement – Includes new bike facilities, dedicated land for bicycle/multi-use trails, bicycle parking, and increased intersection density. Also includes: <ul style="list-style-type: none"> ○ Traffic Calming ○ Car Share ○ Pedestrian Network • Parking Policy/Pricing <ul style="list-style-type: none"> ○ Unbundled Parking ○ Meter On-Street Parking • Commute Trip Reduction <ul style="list-style-type: none"> ○ TDM Marketing with Transportation Coordinator ○ Carpool Matching/Guaranteed Ride Home ○ Bicycle Share ○ School Pool ○ Hotel Shuttle Service

APPENDIX B
CALEEMOD® CONSTRUCTION AND
OPERATION OUTPUT

List of CalEEMod Runs

Appendix B-1: SDSU Project Construction (2020 – 2023)

Appendix B-2: SDSU Project Construction (2024 – 2037)

Appendix B-3: SDSU Project Construction On-road Construction Trip Emission Factors (2020 – 2023)

Appendix B-4: SDSU Project Operation

APPENDIX B-1
SDSU PROJECT CONSTRUCTION
(2020 – 2023)

SDSU - San Diego County, Summer

SDSU
San Diego County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,165.00	1000sqft	5.87	1,165,000.00	0
Medical Office Building	100.00	1000sqft	0.50	100,000.00	0
Research & Development	301.00	1000sqft	1.52	301,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	0.73	4,508,000.00	0
City Park	6.00	Acre	6.00	261,360.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0
City Park	27.60	Acre	27.60	1,202,256.00	0
Health Club	25.00	1000sqft	0.13	25,000.00	0
Hotel	400.00	Room	2.92	580,800.00	0
User Defined Recreational	14.82	User Defined Unit	14.82	645,559.20	0
Apartments High Rise	2,220.00	Dwelling Unit	7.86	2,220,000.00	6349
Apartments Mid Rise	2,010.00	Dwelling Unit	11.60	2,010,000.00	5749
Apartments Mid Rise	300.00	Dwelling Unit	1.73	300,000.00	858
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200
Regional Shopping Center	83.00	1000sqft	0.42	83,000.00	0
Supermarket	12.00	1000sqft	0.06	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13	Operational Year			2035

SDSU - San Diego County, Summer

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MWhr) 362.86 **CH4 Intensity (lb/MWhr)** 0.029 **N2O Intensity (lb/MWhr)** 0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use - Project-specific land use.

Construction Phase - Construction schedule based on project-specific information.

Off-road Equipment -

Off-road Equipment - Project-specific equipment.

Off-road Equipment - Project-specific equipment.

Trips and VMT - Worker, Vendor, Hauling trips based on defaults for each phase. Trips for years 2020-2023 are analyzed separately.

Demolition -

Grading -

Architectural Coating - VOC in accordance with SDAPCD Rule 67.0.1. Architectural Coating area information based on individual defaults.

Vehicle Trips - Construction emissions only.

Woodstoves - Construction emissions only.

Area Coating - Construction emissions only.

Energy Use - Construction emissions only.

Water And Wastewater - Construction emissions only.

Solid Waste - Construction emissions only.

Construction Off-road Equipment Mitigation - Tier 3 Equipment. Watering of construction site.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,456,180.00	322,780.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	4,368,539.00	968,339.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00

SDSU - San Diego County, Summer

tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_Parking	270480	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	28.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	37.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	50.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	3,100.00	412.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	200.00	54.00
tblConstructionPhase	NumDays	310.00	130.00
tblConstructionPhase	NumDays	310.00	75.00
tblConstructionPhase	NumDays	310.00	110.00
tblConstructionPhase	NumDays	310.00	98.00
tblConstructionPhase	NumDays	220.00	173.00
tblConstructionPhase	NumDays	120.00	403.00
tblConstructionPhase	NumDays	120.00	370.00
tblConstructionPhase	NumDays	120.00	117.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	2.83	0.00

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tblEnergyUse	LightingElect	4.50	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	6.22	0.00
tblEnergyUse	LightingElect	2.83	0.00
tblEnergyUse	LightingElect	6.94	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	3.67	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	3.16	0.00
tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	25.54	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	11.10	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	1.09	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	15.42	0.00
tblEnergyUse	T24E	209.39	0.00

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tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	4.78	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	3.18	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	3.25	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	15.99	0.00
tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	47.27	0.00
tblEnergyUse	T24NG	15.99	0.00
tblEnergyUse	T24NG	1.14	0.00
tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	9.70	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	1,221.00	0.00
tblFireplaces	NumberGas	1,270.50	0.00
tblFireplaces	NumberGas	38.50	0.00
tblFireplaces	NumberNoFireplace	222.00	0.00
tblFireplaces	NumberNoFireplace	231.00	0.00
tblFireplaces	NumberNoFireplace	7.00	0.00
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	808.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblGrading	AcresOfGrading	975.00	325.00
tblGrading	AcresOfGrading	600.00	187.50
tblGrading	AcresOfGrading	770.00	275.00
tblGrading	AcresOfGrading	539.00	245.00
tblLandUse	LandUseSquareFeet	0.00	645,559.20
tblLandUse	LotAcreage	26.74	5.87
tblLandUse	LotAcreage	2.30	0.50
tblLandUse	LotAcreage	6.91	1.52
tblLandUse	LotAcreage	101.43	0.73
tblLandUse	LotAcreage	0.57	0.13
tblLandUse	LotAcreage	13.33	2.92
tblLandUse	LotAcreage	0.00	14.82
tblLandUse	LotAcreage	35.81	7.86
tblLandUse	LotAcreage	52.89	11.60
tblLandUse	LotAcreage	7.89	1.73
tblLandUse	LotAcreage	1.09	0.24

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tblLandUse	LotAcreage	1.91	0.42
tblLandUse	LotAcreage	0.28	0.06
tblOffRoadEquipment	HorsePower	85.00	1,001.00
tblOffRoadEquipment	HorsePower	85.00	1,001.00
tblOffRoadEquipment	LoadFactor	0.78	0.74
tblOffRoadEquipment	LoadFactor	0.78	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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tblOffRoadEquipment	UsageHours	7.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,062.60	0.00
tblSolidWaste	SolidWasteGenerationRate	7.19	0.00
tblSolidWaste	SolidWasteGenerationRate	32.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,083.45	0.00
tblSolidWaste	SolidWasteGenerationRate	142.50	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblSolidWaste	SolidWasteGenerationRate	87.15	0.00
tblSolidWaste	SolidWasteGenerationRate	22.87	0.00
tblSolidWaste	SolidWasteGenerationRate	67.68	0.00
tblTripsAndVMT	HaulingTripNumber	21,259.00	0.00
tblTripsAndVMT	HaulingTripNumber	21,259.00	0.00
tblTripsAndVMT	VendorTripNumber	2,305.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	63.00	0.00
tblTripsAndVMT	WorkerTripNumber	35.00	0.00
tblTripsAndVMT	WorkerTripNumber	58.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	7,792.00	0.00
tblTripsAndVMT	WorkerTripNumber	48.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00

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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00

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tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	4.20	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	144,641,936.88	0.00
tblWater	IndoorWaterUseRate	150,505,799.19	0.00
tblWater	IndoorWaterUseRate	4,560,781.79	0.00
tblWater	IndoorWaterUseRate	207,059,816.41	0.00
tblWater	IndoorWaterUseRate	1,478,578.60	0.00
tblWater	IndoorWaterUseRate	10,146,708.00	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00

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tblWater	IndoorWaterUseRate	6,148,019.28	0.00
tblWater	IndoorWaterUseRate	147,999,878.11	0.00
tblWater	IndoorWaterUseRate	1,479,218.58	0.00
tblWater	OutdoorWaterUseRate	91,187,308.03	0.00
tblWater	OutdoorWaterUseRate	94,884,090.79	0.00
tblWater	OutdoorWaterUseRate	99,607,840.83	0.00
tblWater	OutdoorWaterUseRate	2,875,275.48	0.00
tblWater	OutdoorWaterUseRate	126,907,629.41	0.00
tblWater	OutdoorWaterUseRate	906,225.59	0.00
tblWater	OutdoorWaterUseRate	1,127,412.00	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	3,768,140.85	0.00
tblWater	OutdoorWaterUseRate	45,749.03	0.00
tblWoodstoves	NumberCatalytic	111.00	0.00
tblWoodstoves	NumberCatalytic	115.50	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	111.00	0.00
tblWoodstoves	NumberNoncatalytic	115.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

SDSU - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	22.1452	195.6079	138.6257	0.2342	36.1325	10.5211	46.6536	19.8614	9.8848	29.7462	0.0000	21,963.3100	21,963.3100	5.5219	0.0000	22,101.3574
2021	32.2405	313.4995	227.0521	0.4092	56.8500	15.2020	72.0520	30.0783	14.1612	44.2395	0.0000	38,919.6407	38,919.6407	10.9278	0.0000	39,192.8349
2022	152.2940	702.5792	441.1166	1.0565	143.1128	26.8846	163.5174	43.1416	25.5163	62.5440	0.0000	108,012.0314	108,012.0314	18.7594	0.0000	108,481.0155
2023	5.3189	55.0484	36.4886	0.0761	36.1325	2.5320	38.6646	19.8614	2.3295	22.1908	0.0000	7,374.6162	7,374.6162	2.3851	0.0000	7,434.2437
Maximum	152.2940	702.5792	441.1166	1.0565	143.1128	26.8846	163.5174	43.1416	25.5163	62.5440	0.0000	108,012.0314	108,012.0314	18.7594	0.0000	108,481.0155

SDSU - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	231.9017	4.3753	379.5378	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	231.9017	4.3753	379.5378	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading Phase A	Grading	2/1/2020	7/31/2020	5	130	
2	Site Preparation Phase A	Site Preparation	8/1/2020	12/31/2021	5	370	
3	Building Construction Stadium (Phase A)	Building Construction	8/1/2020	3/1/2022	5	412	
4	Grading Phase A (cont'd)	Grading	12/1/2021	4/15/2022	5	98	
5	Paving Stadium (Phase A)	Paving	12/1/2021	7/31/2022	5	173	
6	Demolition of SDCCU (Phase A)	Demolition	1/1/2022	4/15/2022	5	75	
7	Site Preparation Phase B (utilities)	Site Preparation	1/1/2022	6/14/2022	5	117	
8	Architectural Coating Stadium (Phase A)	Architectural Coating	3/1/2022	7/31/2022	5	109	
9	Demolition of SDCCU (Phase B)	Demolition	4/16/2022	6/30/2022	5	54	
10	Grading Phase B (Rough Residential Pad & Initial River Park)	Grading	4/16/2022	7/31/2022	5	75	
11	Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	6/15/2022	12/31/2023	5	403	
12	Grading Phase C	Grading	8/1/2022	12/31/2022	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

SDSU - San Diego County, Summer

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,339; Non-Residential Outdoor: 322,780; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Phase A	Excavators	4	8.00	158	0.38
Grading Phase A	Graders	3	8.00	187	0.41
Grading Phase A	Rubber Tired Dozers	2	8.00	247	0.40
Grading Phase A	Scrapers	6	8.00	367	0.48
Grading Phase A	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Site Preparation Phase A	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation Phase A	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Building Construction Stadium (Phase A)	Cranes	3	16.00	231	0.29
Building Construction Stadium (Phase A)	Forklifts	6	16.00	89	0.20
Building Construction Stadium (Phase A)	Generator Sets	3	16.00	84	0.74
Building Construction Stadium (Phase A)	Tractors/Loaders/Backhoes	5	16.00	97	0.37
Building Construction Stadium (Phase A)	Welders	8	16.00	46	0.45
Grading Phase A (cont'd)	Excavators	4	8.00	158	0.38
Grading Phase A (cont'd)	Graders	3	8.00	187	0.41
Grading Phase A (cont'd)	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase A (cont'd)	Scrapers	4	8.00	367	0.48
Grading Phase A (cont'd)	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading Phase B (Rough Residential Pad & Initial River Park)	Excavators	6	8.00	158	0.38
Grading Phase B (Rough Residential Pad & Initial River Park)	Graders	4	8.00	187	0.41
Grading Phase B (Rough Residential Pad & Initial River Park)	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase B (Rough Residential Pad & Initial River Park)	Scrapers	6	8.00	367	0.48

SDSU - San Diego County, Summer

Grading Phase B (Rough Residential Pad & Initial River Park)	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Site Preparation Phase B (utilities)	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation Phase B (utilities)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Paving Stadium (Phase A)	Pavers	3	8.00	130	0.42
Paving Stadium (Phase A)	Paving Equipment	2	8.00	132	0.36
Paving Stadium (Phase A)	Rollers	4	8.00	80	0.38
Demolition of SDCCU (Phase A)	Concrete/Industrial Saws	5	16.00	81	0.73
Demolition of SDCCU (Phase A)	Crushing/Proc. Equipment	3	16.00	1001	0.74
Demolition of SDCCU (Phase A)	Excavators	5	16.00	158	0.38
Demolition of SDCCU (Phase A)	Rubber Tired Dozers	8	16.00	247	0.40
Architectural Coating Stadium (Phase A)	Air Compressors	8	6.00	78	0.48
Demolition of SDCCU (Phase B)	Concrete/Industrial Saws	5	16.00	81	0.73
Demolition of SDCCU (Phase B)	Crushing/Proc. Equipment	3	16.00	1001	0.74
Demolition of SDCCU (Phase B)	Excavators	5	16.00	158	0.38
Demolition of SDCCU (Phase B)	Rubber Tired Dozers	3	16.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Rubber Tired Dozers	6	8.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading Phase C	Excavators	4	8.00	158	0.38
Grading Phase C	Graders	6	8.00	187	0.41
Grading Phase C	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase C	Scrapers	4	8.00	367	0.48
Grading Phase C	Tractors/Loaders/Backhoes	6	8.00	97	0.37

Trips and VMT

SDSU - San Diego County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Phase A	21	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Phase A	12	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Stadium (Phase A)	25	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase A (cont'd)	19	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase B (Rough Residential Pad)	25	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Phase B (utilities)	11	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Stadium (Phase A)	9	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of SDCCU (Phase A)	21	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Stadium (Phase A)	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of SDCCU (Phase B)	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finish Phase B (Finish Residential Pad and P)	14	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase C	23	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

SDSU - San Diego County, Summer

3.2 Grading Phase A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000			0.0000
Off-Road	11.7809	134.4350	85.2076	0.1671		5.7330	5.7330		5.2744	5.2744		16,190.0165	16,190.0165	5.2362		16,320.9209
Total	11.7809	134.4350	85.2076	0.1671	14.6954	5.7330	20.4284	6.9067	5.2744	12.1811		16,190.0165	16,190.0165	5.2362		16,320.9209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.2 Grading Phase A - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7312	0.0000	5.7312	2.6936	0.0000	2.6936			0.0000			0.0000
Off-Road	4.1060	80.9785	97.8012	0.1671		3.5077	3.5077		3.5077	3.5077	0.0000	16,190.0164	16,190.0164	5.2362		16,320.9209
Total	4.1060	80.9785	97.8012	0.1671	5.7312	3.5077	9.2390	2.6936	3.5077	6.2014	0.0000	16,190.0164	16,190.0164	5.2362		16,320.9209

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.3 Site Preparation Phase A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	7.7339	80.6244	38.4678	0.0698		4.1286	4.1286		3.7983	3.7983		6,768.666 1	6,768.666 1	2.1891		6,823.394 2
Total	7.7339	80.6244	38.4678	0.0698	36.1325	4.1286	40.2611	19.8614	3.7983	23.6597		6,768.666 1	6,768.666 1	2.1891		6,823.394 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.3 Site Preparation Phase A - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.7104	34.6625	41.2359	0.0698		1.6493	1.6493		1.6493	1.6493	0.0000	6,768.666 1	6,768.666 1	2.1891		6,823.394 2
Total	1.7104	34.6625	41.2359	0.0698	14.0917	1.6493	15.7409	7.7459	1.6493	9.3952	0.0000	6,768.666 1	6,768.666 1	2.1891		6,823.394 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.3 Site Preparation Phase A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	7.4018	77.2026	37.7881	0.0698		3.8654	3.8654		3.5561	3.5561		6,769.5136	6,769.5136	2.1894		6,824.2486
Total	7.4018	77.2026	37.7881	0.0698	36.1325	3.8654	39.9979	19.8614	3.5561	23.4175		6,769.5136	6,769.5136	2.1894		6,824.2486

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.3 Site Preparation Phase A - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.7104	34.6625	41.2359	0.0698		1.6493	1.6493		1.6493	1.6493	0.0000	6,769.5136	6,769.5136	2.1894		6,824.2486
Total	1.7104	34.6625	41.2359	0.0698	14.0917	1.6493	15.7409	7.7459	1.6493	9.3952	0.0000	6,769.5136	6,769.5136	2.1894		6,824.2486

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.4113	114.9836	100.1578	0.1643		6.3925	6.3925		6.0865	6.0865		15,194.64 39	15,194.64 39	3.3328		15,277.96 32
Total	14.4113	114.9836	100.1578	0.1643		6.3925	6.3925		6.0865	6.0865		15,194.64 39	15,194.64 39	3.3328		15,277.96 32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.3251	87.2774	108.4014	0.1643		5.2157	5.2157		5.2157	5.2157	0.0000	15,194.64 39	15,194.64 39	3.3328		15,277.96 32
Total	8.3251	87.2774	108.4014	0.1643		5.2157	5.2157		5.2157	5.2157	0.0000	15,194.64 39	15,194.64 39	3.3328		15,277.96 32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.8890	105.3429	98.1231	0.1644		5.4956	5.4956		5.2313	5.2313		15,195.6544	15,195.6544	3.2550		15,277.0281
Total	12.8890	105.3429	98.1231	0.1644		5.4956	5.4956		5.2313	5.2313		15,195.6544	15,195.6544	3.2550		15,277.0281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.6942	86.2785	107.6303	0.1644		5.0112	5.0112		5.0112	5.0112	0.0000	15,195.65 43	15,195.65 43	3.2550		15,277.02 81
Total	7.6942	86.2785	107.6303	0.1644		5.0112	5.0112		5.0112	5.0112	0.0000	15,195.65 43	15,195.65 43	3.2550		15,277.02 81

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.6559	95.4967	96.7672	0.1644		4.6858	4.6858		4.4633	4.4633		15,199.59 26	15,199.59 26	3.2080		15,279.79 31
Total	11.6559	95.4967	96.7672	0.1644		4.6858	4.6858		4.4633	4.4633		15,199.59 26	15,199.59 26	3.2080		15,279.79 31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.4 Building Construction Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.2795	85.5425	107.2623	0.1644		4.8477	4.8477		4.8477	4.8477	0.0000	15,199.59 26	15,199.59 26	3.2080		15,279.79 31
Total	7.2795	85.5425	107.2623	0.1644		4.8477	4.8477		4.8477	4.8477	0.0000	15,199.59 26	15,199.59 26	3.2080		15,279.79 31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.5 Grading Phase A (cont'd) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	10.0690	111.5913	69.8221	0.1423		4.8026	4.8026		4.4184	4.4184		13,784.02 33	13,784.02 33	4.4580		13,895.47 41
Total	10.0690	111.5913	69.8221	0.1423	20.7175	4.8026	25.5201	10.2170	4.4184	14.6354		13,784.02 33	13,784.02 33	4.4580		13,895.47 41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.5 Grading Phase A (cont'd) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	3.4935	68.8707	83.8336	0.1423		2.9927	2.9927		2.9927	2.9927	0.0000	13,784.02 32	13,784.02 32	4.4580		13,895.47 41
Total	3.4935	68.8707	83.8336	0.1423	8.0798	2.9927	11.0726	3.9846	2.9927	6.9773	0.0000	13,784.02 32	13,784.02 32	4.4580		13,895.47 41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.5 Grading Phase A (cont'd) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	8.6665	93.4138	65.6247	0.1424		3.9445	3.9445		3.6289	3.6289		13,792.37 43	13,792.37 43	4.4607		13,903.89 27
Total	8.6665	93.4138	65.6247	0.1424	20.7175	3.9445	24.6620	10.2170	3.6289	13.8459		13,792.37 43	13,792.37 43	4.4607		13,903.89 27

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.5 Grading Phase A (cont'd) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	3.4935	68.8707	83.8336	0.1424		2.9927	2.9927		2.9927	2.9927	0.0000	13,792.37 43	13,792.37 43	4.4607		13,903.89 27
Total	3.4935	68.8707	83.8336	0.1424	8.0798	2.9927	11.0726	3.9846	2.9927	6.9773	0.0000	13,792.37 43	13,792.37 43	4.4607		13,903.89 27

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.6 Paving Stadium (Phase A) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8808	19.3626	21.3189	0.0327		1.0384	1.0384		0.9553	0.9553		3,170.4495	3,170.4495	1.0254		3,196.0842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8808	19.3626	21.3189	0.0327		1.0384	1.0384		0.9553	0.9553		3,170.4495	3,170.4495	1.0254		3,196.0842

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.6 Paving Stadium (Phase A) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8052	16.4675	24.8263	0.0327		0.9231	0.9231		0.9231	0.9231	0.0000	3,170.4495	3,170.4495	1.0254		3,196.0842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8052	16.4675	24.8263	0.0327		0.9231	0.9231		0.9231	0.9231	0.0000	3,170.4495	3,170.4495	1.0254		3,196.0842

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.6 Paving Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6423	16.6756	21.1851	0.0328		0.8666	0.8666		0.7972	0.7972		3,171.1259	3,171.1259	1.0256		3,196.7660
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6423	16.6756	21.1851	0.0328		0.8666	0.8666		0.7972	0.7972		3,171.1259	3,171.1259	1.0256		3,196.7660

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.6 Paving Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8052	16.4675	24.8263	0.0328		0.9231	0.9231		0.9231	0.9231	0.0000	3,171.1259	3,171.1259	1.0256		3,196.7660
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8052	16.4675	24.8263	0.0328		0.9231	0.9231		0.9231	0.9231	0.0000	3,171.1259	3,171.1259	1.0256		3,196.7660

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.7 Demolition of SDCCU (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					62.1092	0.0000	62.1092	9.4055	0.0000	9.4055			0.0000			0.0000
Off-Road	42.5108	445.9392	214.3812	0.6427		14.7610	14.7610		14.1580	14.1580		68,706.3365	68,706.3365	8.3366		68,914.7505
Total	42.5108	445.9392	214.3812	0.6427	62.1092	14.7610	76.8702	9.4055	14.1580	23.5635		68,706.3365	68,706.3365	8.3366		68,914.7505

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.7 Demolition of SDCCU (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.2226	0.0000	24.2226	3.6682	0.0000	3.6682			0.0000			0.0000
Off-Road	15.2742	299.6814	354.0609	0.6427		12.5398	12.5398		12.5398	12.5398	0.0000	68,706.3365	68,706.3365	8.3366		68,914.7504
Total	15.2742	299.6814	354.0609	0.6427	24.2226	12.5398	36.7624	3.6682	12.5398	16.2080	0.0000	68,706.3365	68,706.3365	8.3366		68,914.7504

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.8 Site Preparation Phase B (utilities) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	3.8290	39.7861	28.6496	0.0505		1.9731	1.9731		1.8152	1.8152		4,891.0176	4,891.0176	1.5819			4,930.5640
Total	3.8290	39.7861	28.6496	0.0505	18.0663	1.9731	20.0393	9.9307	1.8152	11.7459		4,891.0176	4,891.0176	1.5819			4,930.5640

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

SDSU - San Diego County, Summer

3.8 Site Preparation Phase B (utilities) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	1.2350	26.0032	32.3283	0.0505		1.4323	1.4323		1.4323	1.4323	0.0000	4,891.0176	4,891.0176	1.5819		4,930.5640
Total	1.2350	26.0032	32.3283	0.0505	7.0458	1.4323	8.4781	3.8730	1.4323	5.3053	0.0000	4,891.0176	4,891.0176	1.5819		4,930.5640

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.9 Architectural Coating Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.3533					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6363	11.2679	14.5087	0.0238		0.6537	0.6537		0.6537	0.6537		2,251.584 4	2,251.584 4	0.1466		2,255.249 2
Total	83.9896	11.2679	14.5087	0.0238		0.6537	0.6537		0.6537	0.6537		2,251.584 4	2,251.584 4	0.1466		2,255.249 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.9 Architectural Coating Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.3533					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4754	10.8558	14.6593	0.0238		0.7607	0.7607		0.7607	0.7607	0.0000	2,251.584 4	2,251.584 4	0.1466		2,255.249 2
Total	82.8287	10.8558	14.6593	0.0238		0.7607	0.7607		0.7607	0.7607	0.0000	2,251.584 4	2,251.584 4	0.1466		2,255.249 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.10 Demolition of SDCCU (Phase B) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					86.2628	0.0000	86.2628	13.0632	0.0000	13.0632			0.0000			0.0000
Off-Road	34.1398	358.0026	178.5613	0.5574		10.5873	10.5873		10.3182	10.3182		60,435.98 30	60,435.98 30	5.6618		60,577.52 69
Total	34.1398	358.0026	178.5613	0.5574	86.2628	10.5873	96.8501	13.0632	10.3182	23.3815		60,435.98 30	60,435.98 30	5.6618		60,577.52 69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.10 Demolition of SDCCU (Phase B) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					33.6425	0.0000	33.6425	5.0947	0.0000	5.0947			0.0000			0.0000
Off-Road	13.1832	259.2546	308.7550	0.5574		11.0064	11.0064		11.0064	11.0064	0.0000	60,435.98 29	60,435.98 29	5.6618		60,577.52 68
Total	13.1832	259.2546	308.7550	0.5574	33.6425	11.0064	44.6489	5.0947	11.0064	16.1010	0.0000	60,435.98 29	60,435.98 29	5.6618		60,577.52 68

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

**3.11 Grading Phase B (Rough Residential Pad & Initial River Park)
- 2022**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	11.2895	121.7880	88.8463	0.1929		5.0719	5.0719		4.6661	4.6661		18,675.5106	18,675.5106	6.0400		18,826.5115
Total	11.2895	121.7880	88.8463	0.1929	20.7175	5.0719	25.7894	10.2170	4.6661	14.8831		18,675.5106	18,675.5106	6.0400		18,826.5115

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

**3.11 Grading Phase B (Rough Residential Pad & Initial River Park)
- 2022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	4.7316	93.0718	113.6836	0.1929		4.0173	4.0173		4.0173	4.0173	0.0000	18,675.5106	18,675.5106	6.0400		18,826.5115
Total	4.7316	93.0718	113.6836	0.1929	8.0798	4.0173	12.0971	3.9846	4.0173	8.0019	0.0000	18,675.5106	18,675.5106	6.0400		18,826.5115

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671		7,372.1237	7,372.1237	2.3843		7,431.7311
Total	6.3403	66.1670	39.3955	0.0761	36.1325	3.2252	39.3577	19.8614	2.9671	22.8285		7,372.1237	7,372.1237	2.3843		7,431.7311

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		1.8923	1.8923		1.8923	1.8923	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311
Total	1.8623	38.1312	45.9201	0.0761	14.0917	1.8923	15.9840	7.7459	1.8923	9.6383	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.616 2	7,374.616 2	2.3851		7,434.243 7
Total	5.3189	55.0484	36.4886	0.0761	36.1325	2.5320	38.6646	19.8614	2.3295	22.1908		7,374.616 2	7,374.616 2	2.3851		7,434.243 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		1.8923	1.8923		1.8923	1.8923	0.0000	7,374.616 2	7,374.616 2	2.3851		7,434.243 7
Total	1.8623	38.1312	45.9201	0.0761	14.0917	1.8923	15.9840	7.7459	1.8923	9.6383	0.0000	7,374.616 2	7,374.616 2	2.3851		7,434.243 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.13 Grading Phase C - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	10.0761	110.8622	73.0279	0.1654		4.5362	4.5362		4.1733	4.1733		16,017.45 01	16,017.45 01	5.1804		16,146.95 93
Total	10.0761	110.8622	73.0279	0.1654	20.7175	4.5362	25.2537	10.2170	4.1733	14.3903		16,017.45 01	16,017.45 01	5.1804		16,146.95 93

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Summer

3.13 Grading Phase C - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	4.0563	80.0166	96.7231	0.1654		3.4713	3.4713		3.4713	3.4713	0.0000	16,017.45 01	16,017.45 01	5.1804		16,146.95 93
Total	4.0563	80.0166	96.7231	0.1654	8.0798	3.4713	11.5511	3.9846	3.4713	7.4559	0.0000	16,017.45 01	16,017.45 01	5.1804		16,146.95 93

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

SDSU - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

SDSU - San Diego County, Summer

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

SDSU - San Diego County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Health Club	0.00	0.00	0.00	16.90	64.10	19.00	52	39	9
Hotel	0.00	0.00	0.00	19.40	61.60	19.00	58	38	4
Medical Office Building	0.00	0.00	0.00	29.60	51.40	19.00	60	30	10
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Supermarket	0.00	0.00	0.00	6.50	74.50	19.00	34	30	36
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

SDSU - San Diego County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
User Defined Recreational	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Unmitigated	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	57.9207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	162.5488					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4321	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094		686.2851	686.2851	0.6581		702.7373
Total	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	57.9207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	162.5488					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4321	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094		686.2851	686.2851	0.6581		702.7373
Total	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU - San Diego County, Winter

SDSU
San Diego County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,165.00	1000sqft	5.87	1,165,000.00	0
Medical Office Building	100.00	1000sqft	0.50	100,000.00	0
Research & Development	301.00	1000sqft	1.52	301,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	0.73	4,508,000.00	0
City Park	6.00	Acre	6.00	261,360.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0
City Park	27.60	Acre	27.60	1,202,256.00	0
Health Club	25.00	1000sqft	0.13	25,000.00	0
Hotel	400.00	Room	2.92	580,800.00	0
User Defined Recreational	14.82	User Defined Unit	14.82	645,559.20	0
Apartments High Rise	2,220.00	Dwelling Unit	7.86	2,220,000.00	6349
Apartments Mid Rise	2,010.00	Dwelling Unit	11.60	2,010,000.00	5749
Apartments Mid Rise	300.00	Dwelling Unit	1.73	300,000.00	858
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200
Regional Shopping Center	83.00	1000sqft	0.42	83,000.00	0
Supermarket	12.00	1000sqft	0.06	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13	Operational Year			2035

SDSU - San Diego County, Winter

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MWhr) 362.86 **CH4 Intensity (lb/MWhr)** 0.029 **N2O Intensity (lb/MWhr)** 0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use - Project-specific land use.

Construction Phase - Construction schedule based on project-specific information.

Off-road Equipment -

Off-road Equipment - Project-specific equipment.

Off-road Equipment - Project-specific equipment.

Trips and VMT - Worker, Vendor, Hauling trips based on defaults for each phase. Trips for years 2020-2023 are analyzed separately.

Demolition -

Grading -

Architectural Coating - VOC in accordance with SDAPCD Rule 67.0.1. Architectural Coating area information based on individual defaults.

Vehicle Trips - Construction emissions only.

Woodstoves - Construction emissions only.

Area Coating - Construction emissions only.

Energy Use - Construction emissions only.

Water And Wastewater - Construction emissions only.

Solid Waste - Construction emissions only.

Construction Off-road Equipment Mitigation - Tier 3 Equipment. Watering of construction site.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,456,180.00	322,780.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	4,368,539.00	968,339.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00

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tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_Parking	270480	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	28.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	37.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	20.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	50.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

SDSU - San Diego County, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	3,100.00	412.00
tblConstructionPhase	NumDays	200.00	75.00
tblConstructionPhase	NumDays	200.00	54.00
tblConstructionPhase	NumDays	310.00	130.00
tblConstructionPhase	NumDays	310.00	75.00
tblConstructionPhase	NumDays	310.00	110.00
tblConstructionPhase	NumDays	310.00	98.00
tblConstructionPhase	NumDays	220.00	173.00
tblConstructionPhase	NumDays	120.00	403.00
tblConstructionPhase	NumDays	120.00	370.00
tblConstructionPhase	NumDays	120.00	117.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	2.83	0.00

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tblEnergyUse	LightingElect	4.50	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	6.22	0.00
tblEnergyUse	LightingElect	2.83	0.00
tblEnergyUse	LightingElect	6.94	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	3.67	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	3.16	0.00
tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	25.54	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	11.10	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	1.09	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	15.42	0.00
tblEnergyUse	T24E	209.39	0.00

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tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	4.78	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	3.18	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	3.25	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	15.99	0.00
tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	47.27	0.00
tblEnergyUse	T24NG	15.99	0.00
tblEnergyUse	T24NG	1.14	0.00
tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	9.70	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00

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tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	1,221.00	0.00
tblFireplaces	NumberGas	1,270.50	0.00
tblFireplaces	NumberGas	38.50	0.00
tblFireplaces	NumberNoFireplace	222.00	0.00
tblFireplaces	NumberNoFireplace	231.00	0.00
tblFireplaces	NumberNoFireplace	7.00	0.00
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	808.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblGrading	AcresOfGrading	975.00	325.00
tblGrading	AcresOfGrading	600.00	187.50
tblGrading	AcresOfGrading	770.00	275.00
tblGrading	AcresOfGrading	539.00	245.00
tblLandUse	LandUseSquareFeet	0.00	645,559.20
tblLandUse	LotAcreage	26.74	5.87
tblLandUse	LotAcreage	2.30	0.50
tblLandUse	LotAcreage	6.91	1.52
tblLandUse	LotAcreage	101.43	0.73
tblLandUse	LotAcreage	0.57	0.13
tblLandUse	LotAcreage	13.33	2.92
tblLandUse	LotAcreage	0.00	14.82
tblLandUse	LotAcreage	35.81	7.86
tblLandUse	LotAcreage	52.89	11.60
tblLandUse	LotAcreage	7.89	1.73
tblLandUse	LotAcreage	1.09	0.24

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tblLandUse	LotAcreage	1.91	0.42
tblLandUse	LotAcreage	0.28	0.06
tblOffRoadEquipment	HorsePower	85.00	1,001.00
tblOffRoadEquipment	HorsePower	85.00	1,001.00
tblOffRoadEquipment	LoadFactor	0.78	0.74
tblOffRoadEquipment	LoadFactor	0.78	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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tblOffRoadEquipment	UsageHours	7.00	16.00
tblOffRoadEquipment	UsageHours	8.00	16.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,062.60	0.00
tblSolidWaste	SolidWasteGenerationRate	7.19	0.00
tblSolidWaste	SolidWasteGenerationRate	32.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,083.45	0.00
tblSolidWaste	SolidWasteGenerationRate	142.50	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblSolidWaste	SolidWasteGenerationRate	87.15	0.00
tblSolidWaste	SolidWasteGenerationRate	22.87	0.00
tblSolidWaste	SolidWasteGenerationRate	67.68	0.00
tblTripsAndVMT	HaulingTripNumber	21,259.00	0.00
tblTripsAndVMT	HaulingTripNumber	21,259.00	0.00
tblTripsAndVMT	VendorTripNumber	2,305.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	63.00	0.00
tblTripsAndVMT	WorkerTripNumber	35.00	0.00
tblTripsAndVMT	WorkerTripNumber	58.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	7,792.00	0.00
tblTripsAndVMT	WorkerTripNumber	48.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00

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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00

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tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	WD_TR	4.20	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	144,641,936.88	0.00
tblWater	IndoorWaterUseRate	150,505,799.19	0.00
tblWater	IndoorWaterUseRate	4,560,781.79	0.00
tblWater	IndoorWaterUseRate	207,059,816.41	0.00
tblWater	IndoorWaterUseRate	1,478,578.60	0.00
tblWater	IndoorWaterUseRate	10,146,708.00	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00

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tblWater	IndoorWaterUseRate	6,148,019.28	0.00
tblWater	IndoorWaterUseRate	147,999,878.11	0.00
tblWater	IndoorWaterUseRate	1,479,218.58	0.00
tblWater	OutdoorWaterUseRate	91,187,308.03	0.00
tblWater	OutdoorWaterUseRate	94,884,090.79	0.00
tblWater	OutdoorWaterUseRate	99,607,840.83	0.00
tblWater	OutdoorWaterUseRate	2,875,275.48	0.00
tblWater	OutdoorWaterUseRate	126,907,629.41	0.00
tblWater	OutdoorWaterUseRate	906,225.59	0.00
tblWater	OutdoorWaterUseRate	1,127,412.00	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	3,768,140.85	0.00
tblWater	OutdoorWaterUseRate	45,749.03	0.00
tblWoodstoves	NumberCatalytic	111.00	0.00
tblWoodstoves	NumberCatalytic	115.50	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	111.00	0.00
tblWoodstoves	NumberNoncatalytic	115.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

SDSU - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	22.1452	195.6079	138.6257	0.2342	36.1325	10.5211	46.6536	19.8614	9.8848	29.7462	0.0000	21,963.3100	21,963.3100	5.5219	0.0000	22,101.3574
2021	32.2405	313.4995	227.0521	0.4092	56.8500	15.2020	72.0520	30.0783	14.1612	44.2395	0.0000	38,919.6407	38,919.6407	10.9278	0.0000	39,192.8349
2022	152.2940	702.5792	441.1166	1.0565	143.1128	26.8846	163.5174	43.1416	25.5163	62.5440	0.0000	108,012.0314	108,012.0314	18.7594	0.0000	108,481.0155
2023	5.3189	55.0484	36.4886	0.0761	36.1325	2.5320	38.6646	19.8614	2.3295	22.1908	0.0000	7,374.6162	7,374.6162	2.3851	0.0000	7,434.2437
Maximum	152.2940	702.5792	441.1166	1.0565	143.1128	26.8846	163.5174	43.1416	25.5163	62.5440	0.0000	108,012.0314	108,012.0314	18.7594	0.0000	108,481.0155

SDSU - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	231.9017	4.3753	379.5378	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	231.9017	4.3753	379.5378	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading Phase A	Grading	2/1/2020	7/31/2020	5	130	
2	Site Preparation Phase A	Site Preparation	8/1/2020	12/31/2021	5	370	
3	Building Construction Stadium (Phase A)	Building Construction	8/1/2020	3/1/2022	5	412	
4	Grading Phase A (cont'd)	Grading	12/1/2021	4/15/2022	5	98	
5	Paving Stadium (Phase A)	Paving	12/1/2021	7/31/2022	5	173	
6	Demolition of SDCCU (Phase A)	Demolition	1/1/2022	4/15/2022	5	75	
7	Site Preparation Phase B (utilities)	Site Preparation	1/1/2022	6/14/2022	5	117	
8	Architectural Coating Stadium (Phase A)	Architectural Coating	3/1/2022	7/31/2022	5	109	
9	Demolition of SDCCU (Phase B)	Demolition	4/16/2022	6/30/2022	5	54	
10	Grading Phase B (Rough Residential Pad & Initial River Park)	Grading	4/16/2022	7/31/2022	5	75	
11	Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	6/15/2022	12/31/2023	5	403	
12	Grading Phase C	Grading	8/1/2022	12/31/2022	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

SDSU - San Diego County, Winter

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,339; Non-Residential Outdoor: 322,780; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Phase A	Excavators	4	8.00	158	0.38
Grading Phase A	Graders	3	8.00	187	0.41
Grading Phase A	Rubber Tired Dozers	2	8.00	247	0.40
Grading Phase A	Scrapers	6	8.00	367	0.48
Grading Phase A	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Site Preparation Phase A	Rubber Tired Dozers	6	8.00	247	0.40
Site Preparation Phase A	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Building Construction Stadium (Phase A)	Cranes	3	16.00	231	0.29
Building Construction Stadium (Phase A)	Forklifts	6	16.00	89	0.20
Building Construction Stadium (Phase A)	Generator Sets	3	16.00	84	0.74
Building Construction Stadium (Phase A)	Tractors/Loaders/Backhoes	5	16.00	97	0.37
Building Construction Stadium (Phase A)	Welders	8	16.00	46	0.45
Grading Phase A (cont'd)	Excavators	4	8.00	158	0.38
Grading Phase A (cont'd)	Graders	3	8.00	187	0.41
Grading Phase A (cont'd)	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase A (cont'd)	Scrapers	4	8.00	367	0.48
Grading Phase A (cont'd)	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading Phase B (Rough Residential Pad & Initial River Park)	Excavators	6	8.00	158	0.38
Grading Phase B (Rough Residential Pad & Initial River Park)	Graders	4	8.00	187	0.41
Grading Phase B (Rough Residential Pad & Initial River Park)	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase B (Rough Residential Pad & Initial River Park)	Scrapers	6	8.00	367	0.48

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Grading Phase B (Rough Residential Pad & Initial River Park)	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Site Preparation Phase B (utilities)	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation Phase B (utilities)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Paving Stadium (Phase A)	Pavers	3	8.00	130	0.42
Paving Stadium (Phase A)	Paving Equipment	2	8.00	132	0.36
Paving Stadium (Phase A)	Rollers	4	8.00	80	0.38
Demolition of SDCCU (Phase A)	Concrete/Industrial Saws	5	16.00	81	0.73
Demolition of SDCCU (Phase A)	Crushing/Proc. Equipment	3	16.00	1001	0.74
Demolition of SDCCU (Phase A)	Excavators	5	16.00	158	0.38
Demolition of SDCCU (Phase A)	Rubber Tired Dozers	8	16.00	247	0.40
Architectural Coating Stadium (Phase A)	Air Compressors	8	6.00	78	0.48
Demolition of SDCCU (Phase B)	Concrete/Industrial Saws	5	16.00	81	0.73
Demolition of SDCCU (Phase B)	Crushing/Proc. Equipment	3	16.00	1001	0.74
Demolition of SDCCU (Phase B)	Excavators	5	16.00	158	0.38
Demolition of SDCCU (Phase B)	Rubber Tired Dozers	3	16.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Rubber Tired Dozers	6	8.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Grading Phase C	Excavators	4	8.00	158	0.38
Grading Phase C	Graders	6	8.00	187	0.41
Grading Phase C	Rubber Tired Dozers	3	8.00	247	0.40
Grading Phase C	Scrapers	4	8.00	367	0.48
Grading Phase C	Tractors/Loaders/Backhoes	6	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Phase A	21	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Phase A	12	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Stadium (Phase A)	25	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase A (cont'd)	19	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase B (Rough Residential Pad)	25	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation Phase B (utilities)	11	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Stadium (Phase A)	9	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of SDCCU (Phase A)	21	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Stadium (Phase A)	8	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition of SDCCU (Phase B)	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Finish Phase B (Finish Residential Pad and P)	14	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase C	23	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

SDSU - San Diego County, Winter

3.2 Grading Phase A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.6954	0.0000	14.6954	6.9067	0.0000	6.9067			0.0000			0.0000
Off-Road	11.7809	134.4350	85.2076	0.1671		5.7330	5.7330		5.2744	5.2744		16,190.0165	16,190.0165	5.2362		16,320.9209
Total	11.7809	134.4350	85.2076	0.1671	14.6954	5.7330	20.4284	6.9067	5.2744	12.1811		16,190.0165	16,190.0165	5.2362		16,320.9209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.2 Grading Phase A - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7312	0.0000	5.7312	2.6936	0.0000	2.6936			0.0000			0.0000
Off-Road	4.1060	80.9785	97.8012	0.1671		3.5077	3.5077		3.5077	3.5077	0.0000	16,190.0164	16,190.0164	5.2362		16,320.9209
Total	4.1060	80.9785	97.8012	0.1671	5.7312	3.5077	9.2390	2.6936	3.5077	6.2014	0.0000	16,190.0164	16,190.0164	5.2362		16,320.9209

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.3 Site Preparation Phase A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	7.7339	80.6244	38.4678	0.0698		4.1286	4.1286		3.7983	3.7983		6,768.666 1	6,768.666 1	2.1891		6,823.394 2
Total	7.7339	80.6244	38.4678	0.0698	36.1325	4.1286	40.2611	19.8614	3.7983	23.6597		6,768.666 1	6,768.666 1	2.1891		6,823.394 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.3 Site Preparation Phase A - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.7104	34.6625	41.2359	0.0698		1.6493	1.6493		1.6493	1.6493	0.0000	6,768.666 1	6,768.666 1	2.1891		6,823.394 2
Total	1.7104	34.6625	41.2359	0.0698	14.0917	1.6493	15.7409	7.7459	1.6493	9.3952	0.0000	6,768.666 1	6,768.666 1	2.1891		6,823.394 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.3 Site Preparation Phase A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	7.4018	77.2026	37.7881	0.0698		3.8654	3.8654		3.5561	3.5561		6,769.5136	6,769.5136	2.1894		6,824.2486
Total	7.4018	77.2026	37.7881	0.0698	36.1325	3.8654	39.9979	19.8614	3.5561	23.4175		6,769.5136	6,769.5136	2.1894		6,824.2486

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.3 Site Preparation Phase A - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.7104	34.6625	41.2359	0.0698		1.6493	1.6493		1.6493	1.6493	0.0000	6,769.5136	6,769.5136	2.1894		6,824.2486
Total	1.7104	34.6625	41.2359	0.0698	14.0917	1.6493	15.7409	7.7459	1.6493	9.3952	0.0000	6,769.5136	6,769.5136	2.1894		6,824.2486

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.4113	114.9836	100.1578	0.1643		6.3925	6.3925		6.0865	6.0865		15,194.64 39	15,194.64 39	3.3328		15,277.96 32
Total	14.4113	114.9836	100.1578	0.1643		6.3925	6.3925		6.0865	6.0865		15,194.64 39	15,194.64 39	3.3328		15,277.96 32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.3251	87.2774	108.4014	0.1643		5.2157	5.2157		5.2157	5.2157	0.0000	15,194.64 39	15,194.64 39	3.3328		15,277.96 32
Total	8.3251	87.2774	108.4014	0.1643		5.2157	5.2157		5.2157	5.2157	0.0000	15,194.64 39	15,194.64 39	3.3328		15,277.96 32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.8890	105.3429	98.1231	0.1644		5.4956	5.4956		5.2313	5.2313		15,195.6544	15,195.6544	3.2550		15,277.0281
Total	12.8890	105.3429	98.1231	0.1644		5.4956	5.4956		5.2313	5.2313		15,195.6544	15,195.6544	3.2550		15,277.0281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.6942	86.2785	107.6303	0.1644		5.0112	5.0112		5.0112	5.0112	0.0000	15,195.65 43	15,195.65 43	3.2550		15,277.02 81
Total	7.6942	86.2785	107.6303	0.1644		5.0112	5.0112		5.0112	5.0112	0.0000	15,195.65 43	15,195.65 43	3.2550		15,277.02 81

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.6559	95.4967	96.7672	0.1644		4.6858	4.6858		4.4633	4.4633		15,199.59 26	15,199.59 26	3.2080		15,279.79 31
Total	11.6559	95.4967	96.7672	0.1644		4.6858	4.6858		4.4633	4.4633		15,199.59 26	15,199.59 26	3.2080		15,279.79 31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.4 Building Construction Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.2795	85.5425	107.2623	0.1644		4.8477	4.8477		4.8477	4.8477	0.0000	15,199.59 26	15,199.59 26	3.2080		15,279.79 31
Total	7.2795	85.5425	107.2623	0.1644		4.8477	4.8477		4.8477	4.8477	0.0000	15,199.59 26	15,199.59 26	3.2080		15,279.79 31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.5 Grading Phase A (cont'd) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	10.0690	111.5913	69.8221	0.1423		4.8026	4.8026		4.4184	4.4184		13,784.02 33	13,784.02 33	4.4580		13,895.47 41
Total	10.0690	111.5913	69.8221	0.1423	20.7175	4.8026	25.5201	10.2170	4.4184	14.6354		13,784.02 33	13,784.02 33	4.4580		13,895.47 41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.5 Grading Phase A (cont'd) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	3.4935	68.8707	83.8336	0.1423		2.9927	2.9927		2.9927	2.9927	0.0000	13,784.02 32	13,784.02 32	4.4580		13,895.47 41
Total	3.4935	68.8707	83.8336	0.1423	8.0798	2.9927	11.0726	3.9846	2.9927	6.9773	0.0000	13,784.02 32	13,784.02 32	4.4580		13,895.47 41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.5 Grading Phase A (cont'd) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	8.6665	93.4138	65.6247	0.1424		3.9445	3.9445		3.6289	3.6289		13,792.37 43	13,792.37 43	4.4607		13,903.89 27
Total	8.6665	93.4138	65.6247	0.1424	20.7175	3.9445	24.6620	10.2170	3.6289	13.8459		13,792.37 43	13,792.37 43	4.4607		13,903.89 27

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.5 Grading Phase A (cont'd) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	3.4935	68.8707	83.8336	0.1424		2.9927	2.9927		2.9927	2.9927	0.0000	13,792.37 43	13,792.37 43	4.4607		13,903.89 27
Total	3.4935	68.8707	83.8336	0.1424	8.0798	2.9927	11.0726	3.9846	2.9927	6.9773	0.0000	13,792.37 43	13,792.37 43	4.4607		13,903.89 27

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.6 Paving Stadium (Phase A) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8808	19.3626	21.3189	0.0327		1.0384	1.0384		0.9553	0.9553		3,170.4495	3,170.4495	1.0254		3,196.0842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8808	19.3626	21.3189	0.0327		1.0384	1.0384		0.9553	0.9553		3,170.4495	3,170.4495	1.0254		3,196.0842

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.6 Paving Stadium (Phase A) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8052	16.4675	24.8263	0.0327		0.9231	0.9231		0.9231	0.9231	0.0000	3,170.4495	3,170.4495	1.0254		3,196.0842
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8052	16.4675	24.8263	0.0327		0.9231	0.9231		0.9231	0.9231	0.0000	3,170.4495	3,170.4495	1.0254		3,196.0842

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.6 Paving Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6423	16.6756	21.1851	0.0328		0.8666	0.8666		0.7972	0.7972		3,171.1259	3,171.1259	1.0256		3,196.7660
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6423	16.6756	21.1851	0.0328		0.8666	0.8666		0.7972	0.7972		3,171.1259	3,171.1259	1.0256		3,196.7660

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.6 Paving Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8052	16.4675	24.8263	0.0328		0.9231	0.9231		0.9231	0.9231	0.0000	3,171.1259	3,171.1259	1.0256		3,196.7660
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8052	16.4675	24.8263	0.0328		0.9231	0.9231		0.9231	0.9231	0.0000	3,171.1259	3,171.1259	1.0256		3,196.7660

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.7 Demolition of SDCCU (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					62.1092	0.0000	62.1092	9.4055	0.0000	9.4055			0.0000			0.0000
Off-Road	42.5108	445.9392	214.3812	0.6427		14.7610	14.7610		14.1580	14.1580		68,706.3365	68,706.3365	8.3366		68,914.7505
Total	42.5108	445.9392	214.3812	0.6427	62.1092	14.7610	76.8702	9.4055	14.1580	23.5635		68,706.3365	68,706.3365	8.3366		68,914.7505

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.7 Demolition of SDCCU (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.2226	0.0000	24.2226	3.6682	0.0000	3.6682			0.0000			0.0000
Off-Road	15.2742	299.6814	354.0609	0.6427		12.5398	12.5398		12.5398	12.5398	0.0000	68,706.3365	68,706.3365	8.3366		68,914.7504
Total	15.2742	299.6814	354.0609	0.6427	24.2226	12.5398	36.7624	3.6682	12.5398	16.2080	0.0000	68,706.3365	68,706.3365	8.3366		68,914.7504

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.8 Site Preparation Phase B (utilities) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8290	39.7861	28.6496	0.0505		1.9731	1.9731		1.8152	1.8152		4,891.0176	4,891.0176	1.5819		4,930.5640
Total	3.8290	39.7861	28.6496	0.0505	18.0663	1.9731	20.0393	9.9307	1.8152	11.7459		4,891.0176	4,891.0176	1.5819		4,930.5640

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.8 Site Preparation Phase B (utilities) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	1.2350	26.0032	32.3283	0.0505		1.4323	1.4323		1.4323	1.4323	0.0000	4,891.0176	4,891.0176	1.5819		4,930.5640
Total	1.2350	26.0032	32.3283	0.0505	7.0458	1.4323	8.4781	3.8730	1.4323	5.3053	0.0000	4,891.0176	4,891.0176	1.5819		4,930.5640

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.9 Architectural Coating Stadium (Phase A) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.3533					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6363	11.2679	14.5087	0.0238		0.6537	0.6537		0.6537	0.6537		2,251.584 4	2,251.584 4	0.1466		2,255.249 2
Total	83.9896	11.2679	14.5087	0.0238		0.6537	0.6537		0.6537	0.6537		2,251.584 4	2,251.584 4	0.1466		2,255.249 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.9 Architectural Coating Stadium (Phase A) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.3533					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4754	10.8558	14.6593	0.0238		0.7607	0.7607		0.7607	0.7607	0.0000	2,251.584 4	2,251.584 4	0.1466		2,255.249 2
Total	82.8287	10.8558	14.6593	0.0238		0.7607	0.7607		0.7607	0.7607	0.0000	2,251.584 4	2,251.584 4	0.1466		2,255.249 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.10 Demolition of SDCCU (Phase B) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					86.2628	0.0000	86.2628	13.0632	0.0000	13.0632			0.0000			0.0000
Off-Road	34.1398	358.0026	178.5613	0.5574		10.5873	10.5873		10.3182	10.3182		60,435.98 30	60,435.98 30	5.6618		60,577.52 69
Total	34.1398	358.0026	178.5613	0.5574	86.2628	10.5873	96.8501	13.0632	10.3182	23.3815		60,435.98 30	60,435.98 30	5.6618		60,577.52 69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.10 Demolition of SDCCU (Phase B) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					33.6425	0.0000	33.6425	5.0947	0.0000	5.0947			0.0000			0.0000
Off-Road	13.1832	259.2546	308.7550	0.5574		11.0064	11.0064		11.0064	11.0064	0.0000	60,435.98 29	60,435.98 29	5.6618		60,577.52 68
Total	13.1832	259.2546	308.7550	0.5574	33.6425	11.0064	44.6489	5.0947	11.0064	16.1010	0.0000	60,435.98 29	60,435.98 29	5.6618		60,577.52 68

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

**3.11 Grading Phase B (Rough Residential Pad & Initial River Park)
- 2022**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	11.2895	121.7880	88.8463	0.1929		5.0719	5.0719		4.6661	4.6661		18,675.5106	18,675.5106	6.0400		18,826.5115
Total	11.2895	121.7880	88.8463	0.1929	20.7175	5.0719	25.7894	10.2170	4.6661	14.8831		18,675.5106	18,675.5106	6.0400		18,826.5115

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

**3.11 Grading Phase B (Rough Residential Pad & Initial River Park)
- 2022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	4.7316	93.0718	113.6836	0.1929		4.0173	4.0173		4.0173	4.0173	0.0000	18,675.5106	18,675.5106	6.0400		18,826.5115
Total	4.7316	93.0718	113.6836	0.1929	8.0798	4.0173	12.0971	3.9846	4.0173	8.0019	0.0000	18,675.5106	18,675.5106	6.0400		18,826.5115

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671		7,372.1237	7,372.1237	2.3843		7,431.7311
Total	6.3403	66.1670	39.3955	0.0761	36.1325	3.2252	39.3577	19.8614	2.9671	22.8285		7,372.1237	7,372.1237	2.3843		7,431.7311

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		1.8923	1.8923		1.8923	1.8923	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311
Total	1.8623	38.1312	45.9201	0.0761	14.0917	1.8923	15.9840	7.7459	1.8923	9.6383	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3189	55.0484	36.4886	0.0761		2.5320	2.5320		2.3295	2.3295		7,374.616 2	7,374.616 2	2.3851		7,434.243 7
Total	5.3189	55.0484	36.4886	0.0761	36.1325	2.5320	38.6646	19.8614	2.3295	22.1908		7,374.616 2	7,374.616 2	2.3851		7,434.243 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.12 Finish Phase B (Finish Residential Pad and River Park) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	1.8623	38.1312	45.9201	0.0761		1.8923	1.8923		1.8923	1.8923	0.0000	7,374.616 2	7,374.616 2	2.3851		7,434.243 7
Total	1.8623	38.1312	45.9201	0.0761	14.0917	1.8923	15.9840	7.7459	1.8923	9.6383	0.0000	7,374.616 2	7,374.616 2	2.3851		7,434.243 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.13 Grading Phase C - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.7175	0.0000	20.7175	10.2170	0.0000	10.2170			0.0000			0.0000
Off-Road	10.0761	110.8622	73.0279	0.1654		4.5362	4.5362		4.1733	4.1733		16,017.45 01	16,017.45 01	5.1804		16,146.95 93
Total	10.0761	110.8622	73.0279	0.1654	20.7175	4.5362	25.2537	10.2170	4.1733	14.3903		16,017.45 01	16,017.45 01	5.1804		16,146.95 93

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

SDSU - San Diego County, Winter

3.13 Grading Phase C - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0798	0.0000	8.0798	3.9846	0.0000	3.9846			0.0000			0.0000
Off-Road	4.0563	80.0166	96.7231	0.1654		3.4713	3.4713		3.4713	3.4713	0.0000	16,017.45 01	16,017.45 01	5.1804		16,146.95 93
Total	4.0563	80.0166	96.7231	0.1654	8.0798	3.4713	11.5511	3.9846	3.4713	7.4559	0.0000	16,017.45 01	16,017.45 01	5.1804		16,146.95 93

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

SDSU - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

SDSU - San Diego County, Winter

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

SDSU - San Diego County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Health Club	0.00	0.00	0.00	16.90	64.10	19.00	52	39	9
Hotel	0.00	0.00	0.00	19.40	61.60	19.00	58	38	4
Medical Office Building	0.00	0.00	0.00	29.60	51.40	19.00	60	30	10
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Supermarket	0.00	0.00	0.00	6.50	74.50	19.00	34	30	36
User Defined Recreational	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

SDSU - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
User Defined Recreational	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373
Unmitigated	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	57.9207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	162.5488					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4321	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094		686.2851	686.2851	0.6581		702.7373
Total	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	57.9207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	162.5488					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4321	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094		686.2851	686.2851	0.6581		702.7373
Total	231.9017	4.3753	379.5378	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2851	686.2851	0.6581	0.0000	702.7373

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX B-2
SDSU PROJECT CONSTRUCTION
(2024 - 2037)

SDSU - San Diego County, Summer

SDSU
San Diego County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,165.00	1000sqft	5.87	1,165,000.00	0
Medical Office Building	100.00	1000sqft	0.50	100,000.00	0
Research & Development	301.00	1000sqft	1.52	301,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	0.73	4,508,000.00	0
City Park	6.00	Acre	6.00	261,360.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0
City Park	27.60	Acre	27.60	1,202,256.00	0
Health Club	25.00	1000sqft	0.13	25,000.00	0
Hotel	400.00	Room	2.92	580,800.00	0
Apartments High Rise	2,220.00	Dwelling Unit	7.86	2,220,000.00	6349
Apartments Mid Rise	2,010.00	Dwelling Unit	11.60	2,010,000.00	5749
Apartments Mid Rise	300.00	Dwelling Unit	1.73	300,000.00	858
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200
Regional Shopping Center	83.00	1000sqft	0.42	83,000.00	0
Supermarket	12.00	1000sqft	0.06	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				

SDSU - San Diego County, Summer

CO2 Intensity 362.86 **CH4 Intensity** 0.029 **N2O Intensity** 0.006
(lb/MW hr) **(lb/MW hr)** **(lb/MW hr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use - Project-specific land use.

Construction Phase - Construction schedule based on project-specific information.

Off-road Equipment -

Trips and VMT - Worker, Vendor, Hauling trips based on defaults for each phase.

Demolition -

Grading -

Architectural Coating - VOC in accordance with SDAPCD Rule 67.0.1. Architectural Coating area information based on individual defaults.

Vehicle Trips - Construction emissions only.

Woodstoves - Construction emissions only.

Area Coating - Construction emissions only.

Energy Use - Construction emissions only.

Water And Wastewater - Construction emissions only.

Solid Waste - Construction emissions only.

Construction Off-road Equipment Mitigation - Watering of construction site.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	61,650.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	125,320.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	61,650.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	184,950.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	375,961.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	184,950.00

SDSU - San Diego County, Summer

tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	1,908.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Parking	250	0
tblAreaCoating	Area_Parking	270480	0
tblConstructionPhase	NumDays	220.00	228.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	3,100.00	849.00

SDSU - San Diego County, Summer

tblConstructionPhase	NumDays	3,100.00	848.00
tblConstructionPhase	NumDays	3,100.00	848.00
tblConstructionPhase	NumDays	220.00	228.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	120.00	130.00
tblConstructionPhase	NumDays	120.00	137.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	2.83	0.00
tblEnergyUse	LightingElect	4.50	0.00
tblEnergyUse	LightingElect	3.81	0.00
tblEnergyUse	LightingElect	6.22	0.00
tblEnergyUse	LightingElect	2.83	0.00
tblEnergyUse	LightingElect	6.94	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	3.67	0.00
tblEnergyUse	NT24E	4.97	0.00
tblEnergyUse	NT24E	3.16	0.00

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tblEnergyUse	NT24E	4.27	0.00
tblEnergyUse	NT24E	25.54	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4,180.00	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	11.10	0.00
tblEnergyUse	NT24NG	4.20	0.00
tblEnergyUse	NT24NG	1.09	0.00
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	NT24NG	15.42	0.00
tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	209.39	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	4.78	0.00
tblEnergyUse	T24E	4.66	0.00
tblEnergyUse	T24E	3.18	0.00
tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	3.25	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	3,248.74	0.00
tblEnergyUse	T24NG	15.99	0.00

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tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	47.27	0.00
tblEnergyUse	T24NG	15.99	0.00
tblEnergyUse	T24NG	1.14	0.00
tblEnergyUse	T24NG	4.31	0.00
tblEnergyUse	T24NG	9.70	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	1,221.00	0.00
tblFireplaces	NumberGas	1,270.50	0.00
tblFireplaces	NumberGas	38.50	0.00
tblFireplaces	NumberNoFireplace	222.00	0.00
tblFireplaces	NumberNoFireplace	231.00	0.00
tblFireplaces	NumberNoFireplace	7.00	0.00
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	808.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblLandUse	LotAcreage	26.74	5.87
tblLandUse	LotAcreage	2.30	0.50
tblLandUse	LotAcreage	6.91	1.52

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tblLandUse	LotAcreage	101.43	0.73
tblLandUse	LotAcreage	0.57	0.13
tblLandUse	LotAcreage	13.33	2.92
tblLandUse	LotAcreage	35.81	7.86
tblLandUse	LotAcreage	52.89	11.60
tblLandUse	LotAcreage	7.89	1.73
tblLandUse	LotAcreage	1.09	0.24
tblLandUse	LotAcreage	1.91	0.42
tblLandUse	LotAcreage	0.28	0.06
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00

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tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,062.60	0.00
tblSolidWaste	SolidWasteGenerationRate	7.19	0.00
tblSolidWaste	SolidWasteGenerationRate	32.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,083.45	0.00
tblSolidWaste	SolidWasteGenerationRate	142.50	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblSolidWaste	SolidWasteGenerationRate	87.15	0.00
tblSolidWaste	SolidWasteGenerationRate	22.87	0.00
tblSolidWaste	SolidWasteGenerationRate	67.68	0.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2,199.00	58.00
tblTripsAndVMT	VendorTripNumber	2,199.00	32.00
tblTripsAndVMT	VendorTripNumber	2,199.00	32.00
tblTripsAndVMT	WorkerTripNumber	35.00	92.00
tblTripsAndVMT	WorkerTripNumber	1,504.00	24.00
tblTripsAndVMT	WorkerTripNumber	7,521.00	189.00
tblTripsAndVMT	WorkerTripNumber	7,521.00	122.00
tblTripsAndVMT	WorkerTripNumber	1,504.00	38.00
tblTripsAndVMT	WorkerTripNumber	7,521.00	122.00
tblTripsAndVMT	WorkerTripNumber	1,504.00	24.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00

SDSU - San Diego County, Summer

tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HS_TL	7.30	0.00

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tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	166.44	0.00

SDSU - San Diego County, Summer

tblVehicleTrips	WD_TR	4.20	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	144,641,936.88	0.00
tblWater	IndoorWaterUseRate	150,505,799.19	0.00
tblWater	IndoorWaterUseRate	4,560,781.79	0.00
tblWater	IndoorWaterUseRate	207,059,816.41	0.00
tblWater	IndoorWaterUseRate	1,478,578.60	0.00
tblWater	IndoorWaterUseRate	10,146,708.00	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	IndoorWaterUseRate	6,148,019.28	0.00
tblWater	IndoorWaterUseRate	147,999,878.11	0.00
tblWater	IndoorWaterUseRate	1,479,218.58	0.00
tblWater	OutdoorWaterUseRate	91,187,308.03	0.00
tblWater	OutdoorWaterUseRate	94,884,090.79	0.00
tblWater	OutdoorWaterUseRate	99,607,840.83	0.00
tblWater	OutdoorWaterUseRate	2,875,275.48	0.00
tblWater	OutdoorWaterUseRate	126,907,629.41	0.00
tblWater	OutdoorWaterUseRate	906,225.59	0.00

SDSU - San Diego County, Summer

tblWater	OutdoorWaterUseRate	1,127,412.00	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	3,768,140.85	0.00
tblWater	OutdoorWaterUseRate	45,749.03	0.00
tblWoodstoves	NumberCatalytic	111.00	0.00
tblWoodstoves	NumberCatalytic	115.50	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	111.00	0.00
tblWoodstoves	NumberNoncatalytic	115.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.6176	55.1076	53.3503	0.1126	36.9424	2.4643	39.4067	20.0774	2.2672	22.3446	0.0000	10,829.40 42	10,829.40 42	2.4167	0.0000	10,876.16 57
2025	7.7728	69.7157	71.0358	0.1513	20.1594	2.7399	22.8993	10.4948	2.5634	13.0582	0.0000	14,579.88 48	14,579.88 48	3.0481	0.0000	14,656.08 73
2026	7.7452	69.6322	70.7723	0.1507	20.1594	2.7395	22.8988	10.4948	2.5630	13.0577	0.0000	14,517.81 26	14,517.81 26	3.0448	0.0000	14,593.93 18
2027	5.1993	44.2954	52.3078	0.1108	1.9452	1.6511	3.5964	0.5249	1.5617	2.0866	0.0000	10,657.16 45	10,657.16 45	1.8462	0.0000	10,703.31 81
2028	31.9779	63.6362	79.3076	0.1532	1.5310	2.5863	3.9284	0.4110	2.4449	2.8058	0.0000	14,629.06 74	14,629.06 74	2.8899	0.0000	14,701.31 61
2029	31.9554	59.6259	72.2097	0.1434	1.5310	2.3743	3.9053	0.4110	2.2663	2.6773	0.0000	13,661.011 3	13,661.011 3	2.2393	0.0000	13,716.99 25
2030	5.4816	34.2833	62.8944	0.1423	1.2188	0.6307	1.8495	0.3282	0.6302	0.9584	0.0000	13,418.57 69	13,418.57 69	0.5301	0.0000	13,431.82 93
2031	5.4622	34.2545	62.7968	0.1421	1.2188	0.6303	1.8491	0.3282	0.6298	0.9580	0.0000	13,399.73 12	13,399.73 12	0.5290	0.0000	13,412.95 73
2032	19.8549	24.5324	48.5372	0.1119	1.4242	0.7738	2.1979	0.3827	0.7733	1.1559	0.0000	10,722.88 20	10,722.88 20	0.4552	0.0000	10,734.26 23
2033	19.8371	15.9773	29.4716	0.0776	1.4160	0.3107	1.7266	0.3805	0.3102	0.6907	0.0000	7,466.464 7	7,466.464 7	0.2943	0.0000	7,473.823 0
2034	2.2625	12.5102	21.8970	0.0642	1.2188	0.2284	1.4472	0.3282	0.2280	0.5562	0.0000	6,194.482 6	6,194.482 6	0.2456	0.0000	6,200.622 1
2035	2.0940	10.8372	21.7859	0.0641	1.2188	0.1878	1.3645	0.3282	0.1878	0.4735	0.0000	6,184.752 6	6,184.752 6	0.2305	0.0000	6,190.513 9
2036	17.4310	4.8893	16.0013	0.0289	0.1972	0.1878	0.3110	0.0523	0.1878	0.2205	0.0000	2,738.258 1	2,738.258 1	0.1037	0.0000	2,740.850 2
2037	17.4310	3.0519	7.4667	0.0132	0.1972	0.0403	0.2374	0.0523	0.0402	0.0925	0.0000	1,256.578 3	1,256.578 3	0.0439	0.0000	1,257.676 4
Maximum	31.9779	69.7157	79.3076	0.1532	36.9424	2.7399	39.4067	20.0774	2.5634	22.3446	0.0000	14,629.06 74	14,629.06 74	3.0481	0.0000	14,701.31 61

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

SDSU - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	213.9877	4.3753	379.5363	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	213.9877	4.3753	379.5363	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	1/1/2024	6/30/2024	5	130	
2	Building Construction Phase C1	Building Construction	7/1/2024	9/30/2027	5	849	
3	Site Preparation - Off-Site Improvements	Site Preparation	7/1/2025	1/7/2026	5	137	
4	Paving Phase C1	Paving	10/1/2027	8/14/2028	5	227	
5	Building Construction Phase C2	Building Construction	7/1/2028	10/1/2031	5	848	
6	Architectural Coating Phase C1	Architectural Coating	8/17/2028	6/30/2029	5	227	
7	Paving Phase C2	Paving	10/2/2031	8/15/2032	5	227	
8	Building Construction Phase C3	Building Construction	7/1/2032	10/1/2035	5	848	
9	Architectural Coating Phase C2	Architectural Coating	8/18/2032	6/30/2033	5	227	
10	Paving Phase C3	Paving	10/2/2035	8/14/2036	5	228	
11	Architectural Coating Phase C3	Architectural Coating	8/15/2036	6/30/2037	5	228	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 231,255; Residential Outdoor: 77,085; Non-Residential Indoor: 375,961; Non-Residential Outdoor: 125,320; Striped Parking Area: 1,908 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Finish Phase B (Finish Residential Pad and River Park)	Rubber Tired Dozers	6	8.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Building Construction Phase C1	Cranes	4	7.00	231	0.29
Building Construction Phase C1	Forklifts	8	8.00	89	0.20
Building Construction Phase C1	Generator Sets	3	8.00	84	0.74
Building Construction Phase C1	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction Phase C1	Welders	6	8.00	46	0.45
Site Preparation - Off-Site Improvements	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Off-Site Improvements	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving Phase C1	Pavers	2	8.00	130	0.42
Paving Phase C1	Paving Equipment	2	8.00	132	0.36
Paving Phase C1	Rollers	2	8.00	80	0.38
Architectural Coating Phase C1	Air Compressors	4	6.00	78	0.48
Building Construction Phase C2	Cranes	6	7.00	231	0.29
Building Construction Phase C2	Forklifts	8	8.00	89	0.20
Building Construction Phase C2	Generator Sets	6	8.00	84	0.74
Building Construction Phase C2	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction Phase C2	Welders	6	8.00	46	0.45
Paving Phase C2	Pavers	4	8.00	130	0.42
Paving Phase C2	Paving Equipment	2	8.00	132	0.36
Paving Phase C2	Rollers	4	8.00	80	0.38
Architectural Coating Phase C2	Air Compressors	4	6.00	78	0.48
Building Construction Phase C3	Cranes	4	7.00	231	0.29
Building Construction Phase C3	Forklifts	3	8.00	89	0.20
Building Construction Phase C3	Generator Sets	1	8.00	84	0.74

SDSU - San Diego County, Summer

Building Construction Phase C3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction Phase C3	Welders	1	8.00	46	0.45
Paving Phase C3	Pavers	2	8.00	130	0.42
Paving Phase C3	Paving Equipment	2	8.00	132	0.36
Paving Phase C3	Rollers	2	8.00	80	0.38
Architectural Coating Phase C3	Air Compressors	4	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Finish Phase B (Finish Residential Pad and P	14	92.00	8.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C1	27	189.00	58.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Off-Site Improvements	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C1	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C1	4	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C2	32	122.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C2	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C2	4	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C3	12	122.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C3	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C3	4	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

SDSU - San Diego County, Summer

3.2 Finish Phase B (Finish Residential Pad and River Park) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	36.1325	2.4587	38.5912	19.8614	2.2620	22.1234		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0167	0.5976	0.1745	2.0700e-003	0.0542	7.0000e-004	0.0549	0.0156	6.7000e-004	0.0163		223.6061	223.6061	0.0146		223.9714
Worker	0.2706	0.1579	1.9707	6.6900e-003	0.7558	4.9100e-003	0.7607	0.2005	4.5200e-003	0.2050		666.8501	666.8501	0.0165		667.2626
Total	0.2873	0.7556	2.1452	8.7600e-003	0.8099	5.6100e-003	0.8155	0.2161	5.1900e-003	0.2213		890.4563	890.4563	0.0311		891.2339

SDSU - San Diego County, Summer

3.2 Finish Phase B (Finish Residential Pad and River Park) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.019 9	7,376.019 9	2.3856		7,435.658 8
Total	5.3218	54.3520	36.6713	0.0762	14.0917	2.4587	16.5504	7.7459	2.2620	10.0079	0.0000	7,376.019 9	7,376.019 9	2.3856		7,435.658 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0167	0.5976	0.1745	2.0700e-003	0.0542	7.0000e-004	0.0549	0.0156	6.7000e-004	0.0163		223.6061	223.6061	0.0146		223.9714
Worker	0.2706	0.1579	1.9707	6.6900e-003	0.7558	4.9100e-003	0.7607	0.2005	4.5200e-003	0.2050		666.8501	666.8501	0.0165		667.2626
Total	0.2873	0.7556	2.1452	8.7600e-003	0.8099	5.6100e-003	0.8155	0.2161	5.1900e-003	0.2213		890.4563	890.4563	0.0311		891.2339

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830		7,838.3178	7,838.3178	1.7307		7,881.5839
Total	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830		7,838.3178	7,838.3178	1.7307		7,881.5839

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1213	4.3328	1.2651	0.0150	0.3926	5.0500e-003	0.3977	0.1130	4.8300e-003	0.1179		1,621.1443	1,621.1443	0.1059		1,623.7924
Worker	0.5558	0.3245	4.0486	0.0137	1.5526	0.0101	1.5627	0.4118	9.2900e-003	0.4211		1,369.9421	1,369.9421	0.0339		1,370.7894
Total	0.6771	4.6572	5.3136	0.0287	1.9452	0.0152	1.9604	0.5249	0.0141	0.5390		2,991.0865	2,991.0865	0.1398		2,994.5818

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830	0.0000	7,838.3178	7,838.3178	1.7307		7,881.5839
Total	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830	0.0000	7,838.3178	7,838.3178	1.7307		7,881.5839

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1213	4.3328	1.2651	0.0150	0.3926	5.0500e-003	0.3977	0.1130	4.8300e-003	0.1179		1,621.1443	1,621.1443	0.1059		1,623.7924
Worker	0.5558	0.3245	4.0486	0.0137	1.5526	0.0101	1.5627	0.4118	9.2900e-003	0.4211		1,369.9421	1,369.9421	0.0339		1,370.7894
Total	0.6771	4.6572	5.3136	0.0287	1.9452	0.0152	1.9604	0.5249	0.0141	0.5390		2,991.0865	2,991.0865	0.1398		2,994.5818

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1178	4.2702	1.2403	0.0149	0.3926	4.9100e-003	0.3975	0.1130	4.6900e-003	0.1177		1,611.1703	1,611.1703	0.1049		1,613.7921
Worker	0.5303	0.2992	3.7818	0.0132	1.5526	9.9400e-003	1.5625	0.4118	9.1500e-003	0.4210		1,314.5170	1,314.5170	0.0313		1,315.2994
Total	0.6481	4.5694	5.0221	0.0281	1.9452	0.0149	1.9601	0.5249	0.0138	0.5387		2,925.6872	2,925.6872	0.1362		2,929.0915

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1178	4.2702	1.2403	0.0149	0.3926	4.9100e-003	0.3975	0.1130	4.6900e-003	0.1177		1,611.1703	1,611.1703	0.1049		1,613.7921
Worker	0.5303	0.2992	3.7818	0.0132	1.5526	9.9400e-003	1.5625	0.4118	9.1500e-003	0.4210		1,314.5170	1,314.5170	0.0313		1,315.2994
Total	0.6481	4.5694	5.0221	0.0281	1.9452	0.0149	1.9601	0.5249	0.0138	0.5387		2,925.6872	2,925.6872	0.1362		2,929.0915

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	4.2096	1.2233	0.0148	0.3926	4.7800e-003	0.3974	0.1130	4.5700e-003	0.1176		1,601.8360	1,601.8360	0.1039		1,604.4327
Worker	0.5079	0.2783	3.5567	0.0127	1.5526	9.6300e-003	1.5622	0.4118	8.8600e-003	0.4207		1,266.3648	1,266.3648	0.0292		1,267.0942
Total	0.6226	4.4879	4.7800	0.0275	1.9452	0.0144	1.9596	0.5249	0.0134	0.5383		2,868.2009	2,868.2009	0.1331		2,871.5270

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	4.2096	1.2233	0.0148	0.3926	4.7800e-003	0.3974	0.1130	4.5700e-003	0.1176		1,601.8360	1,601.8360	0.1039		1,604.4327
Worker	0.5079	0.2783	3.5567	0.0127	1.5526	9.6300e-003	1.5622	0.4118	8.8600e-003	0.4207		1,266.3648	1,266.3648	0.0292		1,267.0942
Total	0.6226	4.4879	4.7800	0.0275	1.9452	0.0144	1.9596	0.5249	0.0134	0.5383		2,868.2009	2,868.2009	0.1331		2,871.5270

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1123	4.1516	1.2088	0.0147	0.3926	4.6700e-003	0.3973	0.1130	4.4600e-003	0.1175		1,593.2974	1,593.2974	0.1030		1,595.8724
Worker	0.4855	0.2598	3.3573	0.0123	1.5526	9.1100e-003	1.5617	0.4118	8.3800e-003	0.4202		1,223.9653	1,223.9653	0.0273		1,224.6485
Total	0.5978	4.4114	4.5660	0.0269	1.9452	0.0138	1.9590	0.5249	0.0128	0.5377		2,817.2627	2,817.2627	0.1303		2,820.5209

SDSU - San Diego County, Summer

3.3 Building Construction Phase C1 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1123	4.1516	1.2088	0.0147	0.3926	4.6700e-003	0.3973	0.1130	4.4600e-003	0.1175		1,593.2974	1,593.2974	0.1030		1,595.8724
Worker	0.4855	0.2598	3.3573	0.0123	1.5526	9.1100e-003	1.5617	0.4118	8.3800e-003	0.4202		1,223.9653	1,223.9653	0.0273		1,224.6485
Total	0.5978	4.4114	4.5660	0.0269	1.9452	0.0138	1.9590	0.5249	0.0128	0.5377		2,817.2627	2,817.2627	0.1303		2,820.5209

SDSU - San Diego County, Summer

3.4 Site Preparation - Off-Site Improvements - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0285	0.3602	1.2600e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		125.1921	125.1921	2.9800e-003		125.2666
Total	0.0505	0.0285	0.3602	1.2600e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		125.1921	125.1921	2.9800e-003		125.2666

SDSU - San Diego County, Summer

3.4 Site Preparation - Off-Site Improvements - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	7.0458	1.0868	8.1326	3.8730	0.9999	4.8728	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0285	0.3602	1.2600e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		125.1921	125.1921	2.9800e-003		125.2666
Total	0.0505	0.0285	0.3602	1.2600e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		125.1921	125.1921	2.9800e-003		125.2666

SDSU - San Diego County, Summer

3.4 Site Preparation - Off-Site Improvements - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0265	0.3387	1.2100e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		120.6062	120.6062	2.7800e-003		120.6756
Total	0.0484	0.0265	0.3387	1.2100e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		120.6062	120.6062	2.7800e-003		120.6756

SDSU - San Diego County, Summer

3.4 Site Preparation - Off-Site Improvements - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	7.0458	1.0868	8.1326	3.8730	0.9999	4.8728	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0265	0.3387	1.2100e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		120.6062	120.6062	2.7800e-003		120.6756
Total	0.0484	0.0265	0.3387	1.2100e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		120.6062	120.6062	2.7800e-003		120.6756

SDSU - San Diego County, Summer

3.5 Paving Phase C1 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		97.1401	97.1401	2.1700e-003		97.1943
Total	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		97.1401	97.1401	2.1700e-003		97.1943

SDSU - San Diego County, Summer

3.5 Paving Phase C1 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		97.1401	97.1401	2.1700e-003		97.1943
Total	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		97.1401	97.1401	2.1700e-003		97.1943

SDSU - San Diego County, Summer

3.5 Paving Phase C1 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0193	0.2527	9.4000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		94.1890	94.1890	2.0400e-003		94.2401
Total	0.0367	0.0193	0.2527	9.4000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		94.1890	94.1890	2.0400e-003		94.2401

SDSU - San Diego County, Summer

3.5 Paving Phase C1 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0193	0.2527	9.4000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		94.1890	94.1890	2.0400e-003		94.2401
Total	0.0367	0.0193	0.2527	9.4000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		94.1890	94.1890	2.0400e-003		94.2401

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.2638	0.6629	8.0500e-003	0.2166	2.5300e-003	0.2192	0.0624	2.4100e-003	0.0648		875.1117	875.1117	0.0564		876.5215
Worker	0.2983	0.1572	2.0551	7.6800e-003	1.0022	5.4500e-003	1.0077	0.2658	5.0100e-003	0.2708		766.0702	766.0702	0.0166		766.4860
Total	0.3591	2.4210	2.7180	0.0157	1.2188	7.9800e-003	1.2268	0.3282	7.4200e-003	0.3356		1,641.181 9	1,641.181 9	0.0730		1,643.007 5

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.2638	0.6629	8.0500e-003	0.2166	2.5300e-003	0.2192	0.0624	2.4100e-003	0.0648		875.1117	875.1117	0.0564		876.5215
Worker	0.2983	0.1572	2.0551	7.6800e-003	1.0022	5.4500e-003	1.0077	0.2658	5.0100e-003	0.2708		766.0702	766.0702	0.0166		766.4860
Total	0.3591	2.4210	2.7180	0.0157	1.2188	7.9800e-003	1.2268	0.3282	7.4200e-003	0.3356		1,641.181 9	1,641.181 9	0.0730		1,643.007 5

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.9514	10,686.9514	2.1012		10,739.4807
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.9514	10,686.9514	2.1012		10,739.4807

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0598	2.2363	0.6584	8.0100e-003	0.2166	2.4700e-003	0.2191	0.0624	2.3600e-003	0.0647		871.2417	871.2417	0.0561		872.6437
Worker	0.2819	0.1475	1.9488	7.4700e-003	1.0022	5.0600e-003	1.0073	0.2658	4.6500e-003	0.2705		744.9823	744.9823	0.0157		745.3747
Total	0.3417	2.3837	2.6071	0.0155	1.2188	7.5300e-003	1.2264	0.3282	7.0100e-003	0.3352		1,616.2240	1,616.2240	0.0718		1,618.0184

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0598	2.2363	0.6584	8.0100e-003	0.2166	2.4700e-003	0.2191	0.0624	2.3600e-003	0.0647		871.2417	871.2417	0.0561		872.6437
Worker	0.2819	0.1475	1.9488	7.4700e-003	1.0022	5.0600e-003	1.0073	0.2658	4.6500e-003	0.2705		744.9823	744.9823	0.0157		745.3747
Total	0.3417	2.3837	2.6071	0.0155	1.2188	7.5300e-003	1.2264	0.3282	7.0100e-003	0.3352		1,616.224 0	1,616.224 0	0.0718		1,618.018 4

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	2.2130	0.6561	7.9700e-003	0.2166	2.4200e-003	0.2190	0.0624	2.3100e-003	0.0647		868.0987	868.0987	0.0558		869.4940
Worker	0.2641	0.1381	1.8479	7.2800e-003	1.0022	4.7000e-003	1.0069	0.2658	4.3200e-003	0.2702		726.4528	726.4528	0.0148		726.8232
Total	0.3231	2.3511	2.5040	0.0153	1.2188	7.1200e-003	1.2259	0.3282	6.6300e-003	0.3348		1,594.5515	1,594.5515	0.0706		1,596.3172

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0590	2.2130	0.6561	7.9700e-003	0.2166	2.4200e-003	0.2190	0.0624	2.3100e-003	0.0647		868.0987	868.0987	0.0558		869.4940
Worker	0.2641	0.1381	1.8479	7.2800e-003	1.0022	4.7000e-003	1.0069	0.2658	4.3200e-003	0.2702		726.4528	726.4528	0.0148		726.8232
Total	0.3231	2.3511	2.5040	0.0153	1.2188	7.1200e-003	1.2259	0.3282	6.6300e-003	0.3348		1,594.5515	1,594.5515	0.0706		1,596.3172

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0583	2.1929	0.6541	7.9400e-003	0.2166	2.3800e-003	0.2190	0.0624	2.2800e-003	0.0646		865.4585	865.4585	0.0556		866.8474
Worker	0.2453	0.1294	1.7523	7.1200e-003	1.0022	4.3700e-003	1.0066	0.2658	4.0200e-003	0.2699		710.2473	710.2473	0.0140		710.5978
Total	0.3037	2.3223	2.4064	0.0151	1.2188	6.7500e-003	1.2256	0.3282	6.3000e-003	0.3345		1,575.7058	1,575.7058	0.0696		1,577.4452

SDSU - San Diego County, Summer

3.6 Building Construction Phase C2 - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0583	2.1929	0.6541	7.9400e-003	0.2166	2.3800e-003	0.2190	0.0624	2.2800e-003	0.0646		865.4585	865.4585	0.0556		866.8474
Worker	0.2453	0.1294	1.7523	7.1200e-003	1.0022	4.3700e-003	1.0066	0.2658	4.0200e-003	0.2699		710.2473	710.2473	0.0140		710.5978
Total	0.3037	2.3223	2.4064	0.0151	1.2188	6.7500e-003	1.2256	0.3282	6.3000e-003	0.3345		1,575.7058	1,575.7058	0.0696		1,577.4452

SDSU - San Diego County, Summer

3.7 Architectural Coating Phase C1 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0929	0.0490	0.6401	2.3900e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		238.6120	238.6120	5.1800e-003		238.7415
Total	0.0929	0.0490	0.6401	2.3900e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		238.6120	238.6120	5.1800e-003		238.7415

SDSU - San Diego County, Summer

3.7 Architectural Coating Phase C1 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0929	0.0490	0.6401	2.3900e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		238.6120	238.6120	5.1800e-003		238.7415
Total	0.0929	0.0490	0.6401	2.3900e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		238.6120	238.6120	5.1800e-003		238.7415

SDSU - San Diego County, Summer

3.7 Architectural Coating Phase C1 - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0459	0.6070	2.3300e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		232.0437	232.0437	4.8900e-003		232.1659
Total	0.0878	0.0459	0.6070	2.3300e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		232.0437	232.0437	4.8900e-003		232.1659

SDSU - San Diego County, Summer

3.7 Architectural Coating Phase C1 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0459	0.6070	2.3300e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		232.0437	232.0437	4.8900e-003		232.1659
Total	0.0878	0.0459	0.6070	2.3300e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		232.0437	232.0437	4.8900e-003		232.1659

SDSU - San Diego County, Summer

3.8 Paving Phase C2 - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0265	0.3591	1.4600e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		145.5425	145.5425	2.8700e-003		145.6143
Total	0.0503	0.0265	0.3591	1.4600e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		145.5425	145.5425	2.8700e-003		145.6143

SDSU - San Diego County, Summer

3.8 Paving Phase C2 - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0265	0.3591	1.4600e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		145.5425	145.5425	2.8700e-003		145.6143
Total	0.0503	0.0265	0.3591	1.4600e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		145.5425	145.5425	2.8700e-003		145.6143

SDSU - San Diego County, Summer

3.8 Paving Phase C2 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0250	0.3422	1.4300e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		142.6610	142.6610	2.7400e-003		142.7295
Total	0.0469	0.0250	0.3422	1.4300e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		142.6610	142.6610	2.7400e-003		142.7295

SDSU - San Diego County, Summer

3.8 Paving Phase C2 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0250	0.3422	1.4300e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		142.6610	142.6610	2.7400e-003		142.7295
Total	0.0469	0.0250	0.3422	1.4300e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		142.6610	142.6610	2.7400e-003		142.7295

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0578	2.1750	0.6532	7.9200e-003	0.2166	2.3500e-003	0.2190	0.0624	2.2400e-003	0.0646		863.5028	863.5028	0.0553		864.8863
Worker	0.2287	0.1221	1.6700	6.9800e-003	1.0022	4.0700e-003	1.0063	0.2658	3.7500e-003	0.2696		696.1855	696.1855	0.0134		696.5197
Total	0.2865	2.2971	2.3232	0.0149	1.2188	6.4200e-003	1.2252	0.3282	5.9900e-003	0.3342		1,559.6883	1,559.6883	0.0687		1,561.4061

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0578	2.1750	0.6532	7.9200e-003	0.2166	2.3500e-003	0.2190	0.0624	2.2400e-003	0.0646		863.5028	863.5028	0.0553		864.8863
Worker	0.2287	0.1221	1.6700	6.9800e-003	1.0022	4.0700e-003	1.0063	0.2658	3.7500e-003	0.2696		696.1855	696.1855	0.0134		696.5197
Total	0.2865	2.2971	2.3232	0.0149	1.2188	6.4200e-003	1.2252	0.3282	5.9900e-003	0.3342		1,559.6883	1,559.6883	0.0687		1,561.4061

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0575	2.1589	0.6529	7.9000e-003	0.2166	2.3200e-003	0.2189	0.0624	2.2100e-003	0.0646		861.9305	861.9305	0.0552		863.3097
Worker	0.2141	0.1159	1.5989	6.8500e-003	1.0022	3.8000e-003	1.0060	0.2658	3.5000e-003	0.2693		684.0769	684.0769	0.0128		684.3971
Total	0.2716	2.2749	2.2517	0.0148	1.2188	6.1200e-003	1.2249	0.3282	5.7100e-003	0.3339		1,546.0074	1,546.0074	0.0680		1,547.7068

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0575	2.1589	0.6529	7.9000e-003	0.2166	2.3200e-003	0.2189	0.0624	2.2100e-003	0.0646		861.9305	861.9305	0.0552		863.3097
Worker	0.2141	0.1159	1.5989	6.8500e-003	1.0022	3.8000e-003	1.0060	0.2658	3.5000e-003	0.2693		684.0769	684.0769	0.0128		684.3971
Total	0.2716	2.2749	2.2517	0.0148	1.2188	6.1200e-003	1.2249	0.3282	5.7100e-003	0.3339		1,546.0074	1,546.0074	0.0680		1,547.7068

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0571	2.1450	0.6521	7.8900e-003	0.2166	2.2900e-003	0.2189	0.0624	2.1900e-003	0.0646		860.7463	860.7463	0.0550		862.1222
Worker	0.2016	0.1107	1.5305	6.7500e-003	1.0022	3.5500e-003	1.0058	0.2658	3.2600e-003	0.2691		673.6437	673.6437	0.0123		673.9505
Total	0.2587	2.2557	2.1826	0.0146	1.2188	5.8400e-003	1.2247	0.3282	5.4500e-003	0.3336		1,534.3900	1,534.3900	0.0673		1,536.0726

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0571	2.1450	0.6521	7.8900e-003	0.2166	2.2900e-003	0.2189	0.0624	2.1900e-003	0.0646		860.7463	860.7463	0.0550		862.1222
Worker	0.2016	0.1107	1.5305	6.7500e-003	1.0022	3.5500e-003	1.0058	0.2658	3.2600e-003	0.2691		673.6437	673.6437	0.0123		673.9505
Total	0.2587	2.2557	2.1826	0.0146	1.2188	5.8400e-003	1.2247	0.3282	5.4500e-003	0.3336		1,534.3900	1,534.3900	0.0673		1,536.0726

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400		4,660.0926	4,660.0926	0.1638		4,664.1863
Total	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400		4,660.0926	4,660.0926	0.1638		4,664.1863

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0568	2.1332	0.6511	7.8800e-003	0.2166	2.2700e-003	0.2189	0.0624	2.1700e-003	0.0645		859.8305	859.8305	0.0549		861.2033
Worker	0.1907	0.1067	1.4721	6.6600e-003	1.0022	3.3200e-003	1.0055	0.2658	3.0600e-003	0.2689		664.8295	664.8295	0.0118		665.1244
Total	0.2476	2.2399	2.1232	0.0145	1.2188	5.5900e-003	1.2244	0.3282	5.2300e-003	0.3334		1,524.6600	1,524.6600	0.0667		1,526.3276

SDSU - San Diego County, Summer

3.9 Building Construction Phase C3 - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400	0.0000	4,660.0926	4,660.0926	0.1638		4,664.1863
Total	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400	0.0000	4,660.0926	4,660.0926	0.1638		4,664.1863

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0568	2.1332	0.6511	7.8800e-003	0.2166	2.2700e-003	0.2189	0.0624	2.1700e-003	0.0645		859.8305	859.8305	0.0549		861.2033
Worker	0.1907	0.1067	1.4721	6.6600e-003	1.0022	3.3200e-003	1.0055	0.2658	3.0600e-003	0.2689		664.8295	664.8295	0.0118		665.1244
Total	0.2476	2.2399	2.1232	0.0145	1.2188	5.5900e-003	1.2244	0.3282	5.2300e-003	0.3334		1,524.6600	1,524.6600	0.0667		1,526.3276

SDSU - San Diego County, Summer

3.10 Architectural Coating Phase C2 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0240	0.3285	1.3700e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		136.9545	136.9545	2.6300e-003		137.0203
Total	0.0450	0.0240	0.3285	1.3700e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		136.9545	136.9545	2.6300e-003		137.0203

SDSU - San Diego County, Summer

3.10 Architectural Coating Phase C2 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0240	0.3285	1.3700e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		136.9545	136.9545	2.6300e-003		137.0203
Total	0.0450	0.0240	0.3285	1.3700e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		136.9545	136.9545	2.6300e-003		137.0203

SDSU - San Diego County, Summer

3.10 Architectural Coating Phase C2 - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0228	0.3145	1.3500e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		134.5725	134.5725	2.5200e-003		134.6355
Total	0.0421	0.0228	0.3145	1.3500e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		134.5725	134.5725	2.5200e-003		134.6355

SDSU - San Diego County, Summer

3.10 Architectural Coating Phase C2 - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0228	0.3145	1.3500e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		134.5725	134.5725	2.5200e-003		134.6355
Total	0.0421	0.0228	0.3145	1.3500e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		134.5725	134.5725	2.5200e-003		134.6355

SDSU - San Diego County, Summer

3.11 Paving Phase C3 - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776
Total	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776

SDSU - San Diego County, Summer

3.11 Paving Phase C3 - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776
Total	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776

SDSU - San Diego County, Summer

3.11 Paving Phase C3 - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776
Total	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776

SDSU - San Diego County, Summer

3.11 Paving Phase C3 - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776
Total	0.0235	0.0131	0.1810	8.2000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		81.7413	81.7413	1.4500e-003		81.7776

SDSU - San Diego County, Summer

3.12 Architectural Coating Phase C3 - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441
Total	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441

SDSU - San Diego County, Summer

3.12 Architectural Coating Phase C3 - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441
Total	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441

SDSU - San Diego County, Summer

3.12 Architectural Coating Phase C3 - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441
Total	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441

SDSU - San Diego County, Summer

3.12 Architectural Coating Phase C3 - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441
Total	0.0375	0.0210	0.2896	1.3100e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		130.7861	130.7861	2.3200e-003		130.8441

4.0 Operational Detail - Mobile

SDSU - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

SDSU - San Diego County, Summer

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

SDSU - San Diego County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Health Club	0.00	0.00	0.00	16.90	64.10	19.00	52	39	9
Hotel	0.00	0.00	0.00	19.40	61.60	19.00	58	38	4
Medical Office Building	0.00	0.00	0.00	29.60	51.40	19.00	60	30	10
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Supermarket	0.00	0.00	0.00	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

SDSU - San Diego County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

SDSU - San Diego County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Unmitigated	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	53.8219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	148.7339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4320	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094		686.2819	686.2819	0.6581		702.7338
Total	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	53.8219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	148.7339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4320	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094		686.2819	686.2819	0.6581		702.7338
Total	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

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SDSU
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,165.00	1000sqft	5.87	1,165,000.00	0
Medical Office Building	100.00	1000sqft	0.50	100,000.00	0
Research & Development	301.00	1000sqft	1.52	301,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	0.73	4,508,000.00	0
City Park	6.00	Acre	6.00	261,360.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0
City Park	27.60	Acre	27.60	1,202,256.00	0
Health Club	25.00	1000sqft	0.13	25,000.00	0
Hotel	400.00	Room	2.92	580,800.00	0
Apartments High Rise	2,220.00	Dwelling Unit	7.86	2,220,000.00	6349
Apartments Mid Rise	2,010.00	Dwelling Unit	11.60	2,010,000.00	5749
Apartments Mid Rise	300.00	Dwelling Unit	1.73	300,000.00	858
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200
Regional Shopping Center	83.00	1000sqft	0.42	83,000.00	0
Supermarket	12.00	1000sqft	0.06	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				

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CO2 Intensity (lb/MWhr) 362.86 **CH4 Intensity (lb/MWhr)** 0.029 **N2O Intensity (lb/MWhr)** 0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use - Project-specific land use.

Construction Phase - Construction schedule based on project-specific information.

Off-road Equipment -

Trips and VMT - Worker, Vendor, Hauling trips based on defaults for each phase.

Demolition -

Grading -

Architectural Coating - VOC in accordance with SDAPCD Rule 67.0.1. Architectural Coating area information based on individual defaults.

Vehicle Trips - Construction emissions only.

Woodstoves - Construction emissions only.

Area Coating - Construction emissions only.

Energy Use - Construction emissions only.

Water And Wastewater - Construction emissions only.

Solid Waste - Construction emissions only.

Construction Off-road Equipment Mitigation - Watering of construction site.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	61,650.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	125,320.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,133,400.00	61,650.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	184,950.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	375,961.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,400,200.00	184,950.00

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tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	1,908.00
tblArchitecturalCoating	ConstArea_Parking	270,480.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	3,105,000.00	77,085.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	ConstArea_Residential_Interior	9,315,000.00	231,255.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
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tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
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tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
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tblAreaCoating	Area_Parking	270480	0
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tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	3,100.00	849.00

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tblConstructionPhase	NumDays	3,100.00	848.00
tblConstructionPhase	NumDays	3,100.00	848.00
tblConstructionPhase	NumDays	220.00	228.00
tblConstructionPhase	NumDays	220.00	227.00
tblConstructionPhase	NumDays	220.00	227.00
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tblConstructionPhase	NumDays	120.00	137.00
tblEnergyUse	LightingElect	741.44	0.00
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tblEnergyUse	LightingElect	1.75	0.00
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tblEnergyUse	LightingElect	4.50	0.00
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tblEnergyUse	T24E	1.21	0.00
tblEnergyUse	T24E	3.25	0.00
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tblEnergyUse	T24NG	15.99	0.00

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tblEnergyUse	T24NG	1.14	0.00
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tblEnergyUse	T24NG	9.70	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
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tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
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tblFireplaces	NumberNoFireplace	222.00	0.00
tblFireplaces	NumberNoFireplace	231.00	0.00
tblFireplaces	NumberNoFireplace	7.00	0.00
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	808.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblLandUse	LotAcreage	26.74	5.87
tblLandUse	LotAcreage	2.30	0.50
tblLandUse	LotAcreage	6.91	1.52

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tblLandUse	LotAcreage	101.43	0.73
tblLandUse	LotAcreage	0.57	0.13
tblLandUse	LotAcreage	13.33	2.92
tblLandUse	LotAcreage	35.81	7.86
tblLandUse	LotAcreage	52.89	11.60
tblLandUse	LotAcreage	7.89	1.73
tblLandUse	LotAcreage	1.09	0.24
tblLandUse	LotAcreage	1.91	0.42
tblLandUse	LotAcreage	0.28	0.06
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00

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tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,062.60	0.00
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tblSolidWaste	SolidWasteGenerationRate	32.20	0.00
tblSolidWaste	SolidWasteGenerationRate	1,083.45	0.00
tblSolidWaste	SolidWasteGenerationRate	142.50	0.00
tblSolidWaste	SolidWasteGenerationRate	219.00	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblSolidWaste	SolidWasteGenerationRate	87.15	0.00
tblSolidWaste	SolidWasteGenerationRate	22.87	0.00
tblSolidWaste	SolidWasteGenerationRate	67.68	0.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2,199.00	58.00
tblTripsAndVMT	VendorTripNumber	2,199.00	32.00
tblTripsAndVMT	VendorTripNumber	2,199.00	32.00
tblTripsAndVMT	WorkerTripNumber	35.00	92.00
tblTripsAndVMT	WorkerTripNumber	1,504.00	24.00
tblTripsAndVMT	WorkerTripNumber	7,521.00	189.00
tblTripsAndVMT	WorkerTripNumber	7,521.00	122.00
tblTripsAndVMT	WorkerTripNumber	1,504.00	38.00
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tblVehicleTrips	CC_TL	7.30	0.00
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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HS_TL	7.30	0.00

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tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	166.44	0.00

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tblVehicleTrips	WD_TR	4.20	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblWater	IndoorWaterUseRate	144,641,936.88	0.00
tblWater	IndoorWaterUseRate	150,505,799.19	0.00
tblWater	IndoorWaterUseRate	4,560,781.79	0.00
tblWater	IndoorWaterUseRate	207,059,816.41	0.00
tblWater	IndoorWaterUseRate	1,478,578.60	0.00
tblWater	IndoorWaterUseRate	10,146,708.00	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	IndoorWaterUseRate	6,148,019.28	0.00
tblWater	IndoorWaterUseRate	147,999,878.11	0.00
tblWater	IndoorWaterUseRate	1,479,218.58	0.00
tblWater	OutdoorWaterUseRate	91,187,308.03	0.00
tblWater	OutdoorWaterUseRate	94,884,090.79	0.00
tblWater	OutdoorWaterUseRate	99,607,840.83	0.00
tblWater	OutdoorWaterUseRate	2,875,275.48	0.00
tblWater	OutdoorWaterUseRate	126,907,629.41	0.00
tblWater	OutdoorWaterUseRate	906,225.59	0.00

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tblWater	OutdoorWaterUseRate	1,127,412.00	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	3,768,140.85	0.00
tblWater	OutdoorWaterUseRate	45,749.03	0.00
tblWoodstoves	NumberCatalytic	111.00	0.00
tblWoodstoves	NumberCatalytic	115.50	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	111.00	0.00
tblWoodstoves	NumberNoncatalytic	115.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.7041	55.1241	53.2078	0.1114	36.9424	2.4643	39.4068	20.0774	2.2672	22.3446	0.0000	10,704.15 52	10,704.15 52	2.4165	0.0000	10,751.00 70
2025	7.8643	69.7363	70.8795	0.1500	20.1594	2.7402	22.8995	10.4948	2.5637	13.0584	0.0000	14,450.94 16	14,450.94 16	3.0514	0.0000	14,527.22 69
2026	7.8347	69.6502	70.6254	0.1494	20.1594	2.7397	22.8990	10.4948	2.5632	13.0579	0.0000	14,392.60 54	14,392.60 54	3.0480	0.0000	14,468.80 46
2027	5.2794	44.3077	52.1915	0.1097	1.9452	1.6513	3.5965	0.5249	1.5619	2.0867	0.0000	10,542.30 60	10,542.30 60	1.8494	0.0000	10,588.541 1
2028	32.0416	63.6471	79.2092	0.1525	1.5310	2.5864	3.9284	0.4110	2.4450	2.8059	0.0000	14,554.57 47	14,554.57 47	2.8914	0.0000	14,626.85 98
2029	32.0163	59.6389	72.0903	0.1426	1.5310	2.3743	3.9053	0.4110	2.2664	2.6774	0.0000	13,579.53 91	13,579.53 91	2.2405	0.0000	13,635.55 13
2030	5.5263	34.2897	62.8219	0.1416	1.2188	0.6307	1.8495	0.3282	0.6302	0.9584	0.0000	13,352.55 34	13,352.55 34	0.5316	0.0000	13,365.84 36
2031	5.5040	34.2598	62.7281	0.1415	1.2188	0.6303	1.8492	0.3282	0.6299	0.9581	0.0000	13,334.77 69	13,334.77 69	0.5305	0.0000	13,348.04 01
2032	19.9012	24.5398	48.4465	0.1112	1.4242	0.7738	2.1980	0.3827	0.7733	1.1560	0.0000	10,650.04 94	10,650.04 94	0.4565	0.0000	10,661.46 19
2033	19.8808	15.9837	29.3856	0.0769	1.4160	0.3107	1.7267	0.3805	0.3102	0.6907	0.0000	7,394.854 6	7,394.854 6	0.2956	0.0000	7,402.244 9
2034	2.2977	12.5132	21.8378	0.0636	1.2188	0.2285	1.4473	0.3282	0.2281	0.5563	0.0000	6,131.756 1	6,131.756 1	0.2470	0.0000	6,137.931 5
2035	2.1275	10.8397	21.7293	0.0635	1.2188	0.1878	1.3645	0.3282	0.1878	0.4735	0.0000	6,122.528 9	6,122.528 9	0.2319	0.0000	6,128.326 0
2036	17.4370	4.8908	15.9871	0.0288	0.1972	0.1878	0.3110	0.0523	0.1878	0.2205	0.0000	2,733.221 0	2,733.221 0	0.1036	0.0000	2,735.810 7
2037	17.4370	3.0544	7.4441	0.0131	0.1972	0.0403	0.2374	0.0523	0.0402	0.0925	0.0000	1,248.519 0	1,248.519 0	0.0438	0.0000	1,249.613 1
Maximum	32.0416	69.7363	79.2092	0.1525	36.9424	2.7402	39.4068	20.0774	2.5637	22.3446	0.0000	14,554.57 47	14,554.57 47	3.0514	0.0000	14,626.85 98

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

SDSU - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	213.9877	4.3753	379.5363	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	213.9877	4.3753	379.5363	0.0201	0.0000	2.1094	2.1094	0.0000	2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Finish Phase B (Finish Residential Pad and River Park)	Site Preparation	1/1/2024	6/30/2024	5	130	
2	Building Construction Phase C1	Building Construction	7/1/2024	9/30/2027	5	849	
3	Site Preparation - Off-Site Improvements	Site Preparation	7/1/2025	1/7/2026	5	137	
4	Paving Phase C1	Paving	10/1/2027	8/14/2028	5	227	
5	Building Construction Phase C2	Building Construction	7/1/2028	10/1/2031	5	848	
6	Architectural Coating Phase C1	Architectural Coating	8/17/2028	6/30/2029	5	227	
7	Paving Phase C2	Paving	10/2/2031	8/15/2032	5	227	
8	Building Construction Phase C3	Building Construction	7/1/2032	10/1/2035	5	848	
9	Architectural Coating Phase C2	Architectural Coating	8/18/2032	6/30/2033	5	227	
10	Paving Phase C3	Paving	10/2/2035	8/14/2036	5	228	
11	Architectural Coating Phase C3	Architectural Coating	8/15/2036	6/30/2037	5	228	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 231,255; Residential Outdoor: 77,085; Non-Residential Indoor: 375,961; Non-Residential Outdoor: 125,320; Striped Parking Area: 1,908 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Finish Phase B (Finish Residential Pad and River Park)	Rubber Tired Dozers	6	8.00	247	0.40
Finish Phase B (Finish Residential Pad and River Park)	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Building Construction Phase C1	Cranes	4	7.00	231	0.29
Building Construction Phase C1	Forklifts	8	8.00	89	0.20
Building Construction Phase C1	Generator Sets	3	8.00	84	0.74
Building Construction Phase C1	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction Phase C1	Welders	6	8.00	46	0.45
Site Preparation - Off-Site Improvements	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Off-Site Improvements	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving Phase C1	Pavers	2	8.00	130	0.42
Paving Phase C1	Paving Equipment	2	8.00	132	0.36
Paving Phase C1	Rollers	2	8.00	80	0.38
Architectural Coating Phase C1	Air Compressors	4	6.00	78	0.48
Building Construction Phase C2	Cranes	6	7.00	231	0.29
Building Construction Phase C2	Forklifts	8	8.00	89	0.20
Building Construction Phase C2	Generator Sets	6	8.00	84	0.74
Building Construction Phase C2	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Building Construction Phase C2	Welders	6	8.00	46	0.45
Paving Phase C2	Pavers	4	8.00	130	0.42
Paving Phase C2	Paving Equipment	2	8.00	132	0.36
Paving Phase C2	Rollers	4	8.00	80	0.38
Architectural Coating Phase C2	Air Compressors	4	6.00	78	0.48
Building Construction Phase C3	Cranes	4	7.00	231	0.29
Building Construction Phase C3	Forklifts	3	8.00	89	0.20
Building Construction Phase C3	Generator Sets	1	8.00	84	0.74

SDSU - San Diego County, Winter

Building Construction Phase C3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction Phase C3	Welders	1	8.00	46	0.45
Paving Phase C3	Pavers	2	8.00	130	0.42
Paving Phase C3	Paving Equipment	2	8.00	132	0.36
Paving Phase C3	Rollers	2	8.00	80	0.38
Architectural Coating Phase C3	Air Compressors	4	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Finish Phase B (Finish Residential Pad and P	14	92.00	8.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C1	27	189.00	58.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Off-Site Improvements	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C1	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C1	4	38.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C2	32	122.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C2	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C2	4	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Phase C3	12	122.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase C3	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase C3	4	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

SDSU - San Diego County, Winter

3.2 Finish Phase B (Finish Residential Pad and River Park) - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	5.3218	54.3520	36.6713	0.0762	36.1325	2.4587	38.5912	19.8614	2.2620	22.1234		7,376.0199	7,376.0199	2.3856		7,435.6588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0177	0.5950	0.1914	2.0200e-003	0.0542	7.3000e-004	0.0549	0.0156	7.0000e-004	0.0163		217.8855	217.8855	0.0154		218.2701
Worker	0.3094	0.1771	1.8417	6.2800e-003	0.7558	4.9100e-003	0.7607	0.2005	4.5200e-003	0.2050		626.0710	626.0710	0.0155		626.4592
Total	0.3270	0.7721	2.0331	8.3000e-003	0.8099	5.6400e-003	0.8156	0.2161	5.2200e-003	0.2213		843.9565	843.9565	0.0309		844.7292

SDSU - San Diego County, Winter

3.2 Finish Phase B (Finish Residential Pad and River Park) - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.0917	0.0000	14.0917	7.7459	0.0000	7.7459			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.019 9	7,376.019 9	2.3856		7,435.658 8
Total	5.3218	54.3520	36.6713	0.0762	14.0917	2.4587	16.5504	7.7459	2.2620	10.0079	0.0000	7,376.019 9	7,376.019 9	2.3856		7,435.658 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0177	0.5950	0.1914	2.0200e-003	0.0542	7.3000e-004	0.0549	0.0156	7.0000e-004	0.0163		217.8855	217.8855	0.0154		218.2701
Worker	0.3094	0.1771	1.8417	6.2800e-003	0.7558	4.9100e-003	0.7607	0.2005	4.5200e-003	0.2050		626.0710	626.0710	0.0155		626.4592
Total	0.3270	0.7721	2.0331	8.3000e-003	0.8099	5.6400e-003	0.8156	0.2161	5.2200e-003	0.2213		843.9565	843.9565	0.0309		844.7292

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830		7,838.3178	7,838.3178	1.7307		7,881.5839
Total	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830		7,838.3178	7,838.3178	1.7307		7,881.5839

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1280	4.3135	1.3877	0.0146	0.3926	5.3100e-003	0.3979	0.1130	5.0700e-003	0.1181		1,579.6699	1,579.6699	0.1115		1,582.4580
Worker	0.6356	0.3639	3.7834	0.0129	1.5526	0.0101	1.5627	0.4118	9.2900e-003	0.4211		1,286.1676	1,286.1676	0.0319		1,286.9650
Total	0.7636	4.6774	5.1712	0.0275	1.9452	0.0154	1.9606	0.5249	0.0144	0.5392		2,865.8374	2,865.8374	0.1434		2,869.4230

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830	0.0000	7,838.3178	7,838.3178	1.7307		7,881.5839
Total	4.9405	42.8547	48.0367	0.0839		1.8844	1.8844		1.7830	1.7830	0.0000	7,838.3178	7,838.3178	1.7307		7,881.5839

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1280	4.3135	1.3877	0.0146	0.3926	5.3100e-003	0.3979	0.1130	5.0700e-003	0.1181		1,579.6699	1,579.6699	0.1115		1,582.4580
Worker	0.6356	0.3639	3.7834	0.0129	1.5526	0.0101	1.5627	0.4118	9.2900e-003	0.4211		1,286.1676	1,286.1676	0.0319		1,286.9650
Total	0.7636	4.6774	5.1712	0.0275	1.9452	0.0154	1.9606	0.5249	0.0144	0.5392		2,865.8374	2,865.8374	0.1434		2,869.4230

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1242	4.2510	1.3594	0.0145	0.3926	5.1300e-003	0.3978	0.1130	4.9100e-003	0.1179		1,570.2147	1,570.2147	0.1102		1,572.9705
Worker	0.6080	0.3355	3.5304	0.0124	1.5526	9.9400e-003	1.5625	0.4118	9.1500e-003	0.4210		1,234.1804	1,234.1804	0.0294		1,234.9161
Total	0.7322	4.5865	4.8897	0.0269	1.9452	0.0151	1.9603	0.5249	0.0141	0.5389		2,804.3951	2,804.3951	0.1397		2,807.8867

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1242	4.2510	1.3594	0.0145	0.3926	5.1300e-003	0.3978	0.1130	4.9100e-003	0.1179		1,570.2147	1,570.2147	0.1102		1,572.9705
Worker	0.6080	0.3355	3.5304	0.0124	1.5526	9.9400e-003	1.5625	0.4118	9.1500e-003	0.4210		1,234.1804	1,234.1804	0.0294		1,234.9161
Total	0.7322	4.5865	4.8897	0.0269	1.9452	0.0151	1.9603	0.5249	0.0141	0.5389		2,804.3951	2,804.3951	0.1397		2,807.8867

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1209	4.1906	1.3394	0.0144	0.3926	4.9700e-003	0.3976	0.1130	4.7500e-003	0.1178		1,561.3800	1,561.3800	0.1090		1,564.1050
Worker	0.5840	0.3120	3.3167	0.0119	1.5526	9.6300e-003	1.5622	0.4118	8.8600e-003	0.4207		1,188.9833	1,188.9833	0.0274		1,189.6686
Total	0.7049	4.5026	4.6560	0.0263	1.9452	0.0146	1.9598	0.5249	0.0136	0.5385		2,750.3634	2,750.3634	0.1364		2,753.7736

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1209	4.1906	1.3394	0.0144	0.3926	4.9700e-003	0.3976	0.1130	4.7500e-003	0.1178		1,561.3800	1,561.3800	0.1090		1,564.1050
Worker	0.5840	0.3120	3.3167	0.0119	1.5526	9.6300e-003	1.5622	0.4118	8.8600e-003	0.4207		1,188.9833	1,188.9833	0.0274		1,189.6686
Total	0.7049	4.5026	4.6560	0.0263	1.9452	0.0146	1.9598	0.5249	0.0136	0.5385		2,750.3634	2,750.3634	0.1364		2,753.7736

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489		7,839.9018	7,839.9018	1.7158		7,882.7972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1182	4.1325	1.3225	0.0143	0.3926	4.8400e-003	0.3975	0.1130	4.6300e-003	0.1177		1,553.2549	1,553.2549	0.1079		1,555.9532
Worker	0.5596	0.2912	3.1273	0.0115	1.5526	9.1100e-003	1.5617	0.4118	8.3800e-003	0.4202		1,149.1493	1,149.1493	0.0257		1,149.7906
Total	0.6779	4.4237	4.4498	0.0258	1.9452	0.0140	1.9592	0.5249	0.0130	0.5379		2,702.4042	2,702.4042	0.1336		2,705.7439

SDSU - San Diego County, Winter

3.3 Building Construction Phase C1 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972
Total	4.6015	39.8840	47.7417	0.0839		1.6374	1.6374		1.5489	1.5489	0.0000	7,839.9018	7,839.9018	1.7158		7,882.7972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1182	4.1325	1.3225	0.0143	0.3926	4.8400e-003	0.3975	0.1130	4.6300e-003	0.1177		1,553.2549	1,553.2549	0.1079		1,555.9532
Worker	0.5596	0.2912	3.1273	0.0115	1.5526	9.1100e-003	1.5617	0.4118	8.3800e-003	0.4202		1,149.1493	1,149.1493	0.0257		1,149.7906
Total	0.6779	4.4237	4.4498	0.0258	1.9452	0.0140	1.9592	0.5249	0.0130	0.5379		2,702.4042	2,702.4042	0.1336		2,705.7439

SDSU - San Diego County, Winter

3.4 Site Preparation - Off-Site Improvements - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0320	0.3362	1.1800e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		117.5410	117.5410	2.8000e-003		117.6111
Total	0.0579	0.0320	0.3362	1.1800e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		117.5410	117.5410	2.8000e-003		117.6111

SDSU - San Diego County, Winter

3.4 Site Preparation - Off-Site Improvements - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	7.0458	1.0868	8.1326	3.8730	0.9999	4.8728	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0320	0.3362	1.1800e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		117.5410	117.5410	2.8000e-003		117.6111
Total	0.0579	0.0320	0.3362	1.1800e-003	0.1479	9.5000e-004	0.1488	0.0392	8.7000e-004	0.0401		117.5410	117.5410	2.8000e-003		117.6111

SDSU - San Diego County, Winter

3.4 Site Preparation - Off-Site Improvements - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0556	0.0297	0.3159	1.1400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		113.2365	113.2365	2.6100e-003		113.3018
Total	0.0556	0.0297	0.3159	1.1400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		113.2365	113.2365	2.6100e-003		113.3018

SDSU - San Diego County, Winter

3.4 Site Preparation - Off-Site Improvements - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	7.0458	1.0868	8.1326	3.8730	0.9999	4.8728	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0556	0.0297	0.3159	1.1400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		113.2365	113.2365	2.6100e-003		113.3018
Total	0.0556	0.0297	0.3159	1.1400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.4000e-004	0.0401		113.2365	113.2365	2.6100e-003		113.3018

SDSU - San Diego County, Winter

3.5 Paving Phase C1 - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		91.2023	91.2023	2.0400e-003		91.2532
Total	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		91.2023	91.2023	2.0400e-003		91.2532

SDSU - San Diego County, Winter

3.5 Paving Phase C1 - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		91.2023	91.2023	2.0400e-003		91.2532
Total	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334		91.2023	91.2023	2.0400e-003		91.2532

SDSU - San Diego County, Winter

3.5 Paving Phase C1 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0423	0.0217	0.2351	8.9000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		88.4280	88.4280	1.9200e-003		88.4760
Total	0.0423	0.0217	0.2351	8.9000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		88.4280	88.4280	1.9200e-003		88.4760

SDSU - San Diego County, Winter

3.5 Paving Phase C1 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0423	0.0217	0.2351	8.9000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		88.4280	88.4280	1.9200e-003		88.4760
Total	0.0423	0.0217	0.2351	8.9000e-004	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		88.4280	88.4280	1.9200e-003		88.4760

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0641	2.2534	0.7247	7.8500e-003	0.2166	2.6100e-003	0.2192	0.0624	2.4900e-003	0.0649		853.2357	853.2357	0.0590		854.7110
Worker	0.3444	0.1761	1.9124	7.2100e-003	1.0022	5.4500e-003	1.0077	0.2658	5.0100e-003	0.2708		719.2144	719.2144	0.0156		719.6044
Total	0.4085	2.4295	2.6371	0.0151	1.2188	8.0600e-003	1.2269	0.3282	7.5000e-003	0.3357		1,572.450 1	1,572.450 1	0.0746		1,574.315 3

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0641	2.2534	0.7247	7.8500e-003	0.2166	2.6100e-003	0.2192	0.0624	2.4900e-003	0.0649		853.2357	853.2357	0.0590		854.7110
Worker	0.3444	0.1761	1.9124	7.2100e-003	1.0022	5.4500e-003	1.0077	0.2658	5.0100e-003	0.2708		719.2144	719.2144	0.0156		719.6044
Total	0.4085	2.4295	2.6371	0.0151	1.2188	8.0600e-003	1.2269	0.3282	7.5000e-003	0.3357		1,572.450 1	1,572.450 1	0.0746		1,574.315 3

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.9514	10,686.9514	2.1012		10,739.4807
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518		10,686.9514	10,686.9514	2.1012		10,739.4807

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0629	2.2260	0.7191	7.8100e-003	0.2166	2.5400e-003	0.2192	0.0624	2.4300e-003	0.0648		849.5831	849.5831	0.0586		851.0484
Worker	0.3260	0.1652	1.8114	7.0100e-003	1.0022	5.0600e-003	1.0073	0.2658	4.6500e-003	0.2705		699.3745	699.3745	0.0147		699.7422
Total	0.3889	2.3912	2.5305	0.0148	1.2188	7.6000e-003	1.2264	0.3282	7.0800e-003	0.3353		1,548.9576	1,548.9576	0.0733		1,550.7906

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07
Total	5.9481	52.6142	61.7590	0.1137		2.1591	2.1591		2.0518	2.0518	0.0000	10,686.95 14	10,686.95 14	2.1012		10,739.48 07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0629	2.2260	0.7191	7.8100e-003	0.2166	2.5400e-003	0.2192	0.0624	2.4300e-003	0.0648		849.5831	849.5831	0.0586		851.0484
Worker	0.3260	0.1652	1.8114	7.0100e-003	1.0022	5.0600e-003	1.0073	0.2658	4.6500e-003	0.2705		699.3745	699.3745	0.0147		699.7422
Total	0.3889	2.3912	2.5305	0.0148	1.2188	7.6000e-003	1.2264	0.3282	7.0800e-003	0.3353		1,548.957 6	1,548.957 6	0.0733		1,550.790 6

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0621	2.2028	0.7161	7.7800e-003	0.2166	2.4800e-003	0.2191	0.0624	2.3700e-003	0.0647		846.6001	846.6001	0.0583		848.0567
Worker	0.3057	0.1546	1.7154	6.8300e-003	1.0022	4.7000e-003	1.0069	0.2658	4.3200e-003	0.2702		681.9280	681.9280	0.0139		682.2748
Total	0.3678	2.3574	2.4315	0.0146	1.2188	7.1800e-003	1.2260	0.3282	6.6900e-003	0.3349		1,528.5280	1,528.5280	0.0721		1,530.3315

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0621	2.2028	0.7161	7.7800e-003	0.2166	2.4800e-003	0.2191	0.0624	2.3700e-003	0.0647		846.6001	846.6001	0.0583		848.0567
Worker	0.3057	0.1546	1.7154	6.8300e-003	1.0022	4.7000e-003	1.0069	0.2658	4.3200e-003	0.2702		681.9280	681.9280	0.0139		682.2748
Total	0.3678	2.3574	2.4315	0.0146	1.2188	7.1800e-003	1.2260	0.3282	6.6900e-003	0.3349		1,528.5280	1,528.5280	0.0721		1,530.3315

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235		11,824.0254	11,824.0254	0.4595		11,835.5122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0614	2.1828	0.7135	7.7500e-003	0.2166	2.4400e-003	0.2191	0.0624	2.3300e-003	0.0647		844.0922	844.0922	0.0580		845.5409
Worker	0.2841	0.1448	1.6242	6.6800e-003	1.0022	4.3700e-003	1.0066	0.2658	4.0200e-003	0.2699		666.6592	666.6592	0.0131		666.9871
Total	0.3455	2.3276	2.3377	0.0144	1.2188	6.8100e-003	1.2256	0.3282	6.3500e-003	0.3345		1,510.7514	1,510.7514	0.0711		1,512.5280

SDSU - San Diego County, Winter

3.6 Building Construction Phase C2 - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121
Total	5.1585	31.9322	60.3905	0.1270		0.6235	0.6235		0.6235	0.6235	0.0000	11,824.0254	11,824.0254	0.4595		11,835.5121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0614	2.1828	0.7135	7.7500e-003	0.2166	2.4400e-003	0.2191	0.0624	2.3300e-003	0.0647		844.0922	844.0922	0.0580		845.5409
Worker	0.2841	0.1448	1.6242	6.6800e-003	1.0022	4.3700e-003	1.0066	0.2658	4.0200e-003	0.2699		666.6592	666.6592	0.0131		666.9871
Total	0.3455	2.3276	2.3377	0.0144	1.2188	6.8100e-003	1.2256	0.3282	6.3500e-003	0.3345		1,510.7514	1,510.7514	0.0711		1,512.5280

SDSU - San Diego County, Winter

3.7 Architectural Coating Phase C1 - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1073	0.0549	0.5957	2.2500e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		224.0176	224.0176	4.8600e-003		224.1391
Total	0.1073	0.0549	0.5957	2.2500e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		224.0176	224.0176	4.8600e-003		224.1391

SDSU - San Diego County, Winter

3.7 Architectural Coating Phase C1 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1073	0.0549	0.5957	2.2500e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		224.0176	224.0176	4.8600e-003		224.1391
Total	0.1073	0.0549	0.5957	2.2500e-003	0.3122	1.7000e-003	0.3139	0.0828	1.5600e-003	0.0844		224.0176	224.0176	4.8600e-003		224.1391

SDSU - San Diego County, Winter

3.7 Architectural Coating Phase C1 - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060		1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1015	0.0515	0.5642	2.1800e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		217.8380	217.8380	4.5800e-003		217.9525
Total	0.1015	0.0515	0.5642	2.1800e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		217.8380	217.8380	4.5800e-003		217.9525

SDSU - San Diego County, Winter

3.7 Architectural Coating Phase C1 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.8943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6834	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5
Total	25.5777	4.5820	7.2365	0.0119		0.2060	0.2060		0.2060	0.2060	0.0000	1,125.792 2	1,125.792 2	0.0614		1,127.327 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1015	0.0515	0.5642	2.1800e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		217.8380	217.8380	4.5800e-003		217.9525
Total	0.1015	0.0515	0.5642	2.1800e-003	0.3122	1.5700e-003	0.3137	0.0828	1.4500e-003	0.0843		217.8380	217.8380	4.5800e-003		217.9525

SDSU - San Diego County, Winter

3.8 Paving Phase C2 - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0297	0.3328	1.3700e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		136.6105	136.6105	2.6900e-003		136.6777
Total	0.0582	0.0297	0.3328	1.3700e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		136.6105	136.6105	2.6900e-003		136.6777

SDSU - San Diego County, Winter

3.8 Paving Phase C2 - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0297	0.3328	1.3700e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		136.6105	136.6105	2.6900e-003		136.6777
Total	0.0582	0.0297	0.3328	1.3700e-003	0.2054	9.0000e-004	0.2063	0.0545	8.2000e-004	0.0553		136.6105	136.6105	2.6900e-003		136.6777

SDSU - San Diego County, Winter

3.8 Paving Phase C2 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439		4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0543	0.0280	0.3167	1.3400e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		133.8951	133.8951	2.5600e-003		133.9591
Total	0.0543	0.0280	0.3167	1.3400e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		133.8951	133.8951	2.5600e-003		133.9591

SDSU - San Diego County, Winter

3.8 Paving Phase C2 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2829	11.9558	26.1575	0.0460		0.5439	0.5439		0.5439	0.5439	0.0000	4,360.440 1	4,360.440 1	0.2055		4,365.577 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0543	0.0280	0.3167	1.3400e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		133.8951	133.8951	2.5600e-003		133.9591
Total	0.0543	0.0280	0.3167	1.3400e-003	0.2054	8.3000e-004	0.2062	0.0545	7.7000e-004	0.0552		133.8951	133.8951	2.5600e-003		133.9591

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.1650	0.7123	7.7300e-003	0.2166	2.4000e-003	0.2190	0.0624	2.2900e-003	0.0647		842.2135	842.2135	0.0577		843.6555
Worker	0.2649	0.1366	1.5457	6.5500e-003	1.0022	4.0700e-003	1.0063	0.2658	3.7500e-003	0.2696		653.4081	653.4081	0.0125		653.7204
Total	0.3257	2.3016	2.2579	0.0143	1.2188	6.4700e-003	1.2253	0.3282	6.0400e-003	0.3342		1,495.6216	1,495.6216	0.0702		1,497.3760

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.1650	0.7123	7.7300e-003	0.2166	2.4000e-003	0.2190	0.0624	2.2900e-003	0.0647		842.2135	842.2135	0.0577		843.6555
Worker	0.2649	0.1366	1.5457	6.5500e-003	1.0022	4.0700e-003	1.0063	0.2658	3.7500e-003	0.2696		653.4081	653.4081	0.0125		653.7204
Total	0.3257	2.3016	2.2579	0.0143	1.2188	6.4700e-003	1.2253	0.3282	6.0400e-003	0.3342		1,495.6216	1,495.6216	0.0702		1,497.3760

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0604	2.1489	0.7117	7.7100e-003	0.2166	2.3600e-003	0.2190	0.0624	2.2600e-003	0.0646		840.6778	840.6778	0.0575		842.1143
Worker	0.2482	0.1296	1.4778	6.4300e-003	1.0022	3.8000e-003	1.0060	0.2658	3.5000e-003	0.2693		641.9975	641.9975	0.0120		642.2965
Total	0.3086	2.2786	2.1895	0.0141	1.2188	6.1600e-003	1.2250	0.3282	5.7600e-003	0.3340		1,482.6753	1,482.6753	0.0694		1,484.4108

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0604	2.1489	0.7117	7.7100e-003	0.2166	2.3600e-003	0.2190	0.0624	2.2600e-003	0.0646		840.6778	840.6778	0.0575		842.1143
Worker	0.2482	0.1296	1.4778	6.4300e-003	1.0022	3.8000e-003	1.0060	0.2658	3.5000e-003	0.2693		641.9975	641.9975	0.0120		642.2965
Total	0.3086	2.2786	2.1895	0.0141	1.2188	6.1600e-003	1.2250	0.3282	5.7600e-003	0.3340		1,482.6753	1,482.6753	0.0694		1,484.4108

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226		4,660.0926	4,660.0926	0.1783		4,664.5494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0601	2.1349	0.7108	7.7000e-003	0.2166	2.3300e-003	0.2190	0.0624	2.2300e-003	0.0646		839.4981	839.4981	0.0573		840.9305
Worker	0.2337	0.1238	1.4127	6.3300e-003	1.0022	3.5500e-003	1.0058	0.2658	3.2600e-003	0.2691		632.1654	632.1654	0.0115		632.4516
Total	0.2938	2.2587	2.1235	0.0140	1.2188	5.8800e-003	1.2247	0.3282	5.4900e-003	0.3337		1,471.6635	1,471.6635	0.0687		1,473.3821

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494
Total	2.0039	10.2545	19.7143	0.0496		0.2226	0.2226		0.2226	0.2226	0.0000	4,660.0926	4,660.0926	0.1783		4,664.5494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0601	2.1349	0.7108	7.7000e-003	0.2166	2.3300e-003	0.2190	0.0624	2.2300e-003	0.0646		839.4981	839.4981	0.0573		840.9305
Worker	0.2337	0.1238	1.4127	6.3300e-003	1.0022	3.5500e-003	1.0058	0.2658	3.2600e-003	0.2691		632.1654	632.1654	0.0115		632.4516
Total	0.2938	2.2587	2.1235	0.0140	1.2188	5.8800e-003	1.2247	0.3282	5.4900e-003	0.3337		1,471.6635	1,471.6635	0.0687		1,473.3821

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400		4,660.0926	4,660.0926	0.1638		4,664.1863
Total	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400		4,660.0926	4,660.0926	0.1638		4,664.1863

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0598	2.1232	0.7096	7.6900e-003	0.2166	2.3000e-003	0.2189	0.0624	2.2000e-003	0.0646		838.5752	838.5752	0.0571		840.0037
Worker	0.2214	0.1192	1.3570	6.2500e-003	1.0022	3.3200e-003	1.0055	0.2658	3.0600e-003	0.2689		623.8611	623.8611	0.0110		624.1360
Total	0.2811	2.2424	2.0666	0.0139	1.2188	5.6200e-003	1.2245	0.3282	5.2600e-003	0.3335		1,462.4363	1,462.4363	0.0681		1,464.1397

SDSU - San Diego County, Winter

3.9 Building Construction Phase C3 - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400	0.0000	4,660.0926	4,660.0926	0.1638		4,664.1863
Total	1.8464	8.5973	19.6627	0.0496		0.1400	0.1400		0.1400	0.1400	0.0000	4,660.0926	4,660.0926	0.1638		4,664.1863

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0598	2.1232	0.7096	7.6900e-003	0.2166	2.3000e-003	0.2189	0.0624	2.2000e-003	0.0646		838.5752	838.5752	0.0571		840.0037
Worker	0.2214	0.1192	1.3570	6.2500e-003	1.0022	3.3200e-003	1.0055	0.2658	3.0600e-003	0.2689		623.8611	623.8611	0.0110		624.1360
Total	0.2811	2.2424	2.0666	0.0139	1.2188	5.6200e-003	1.2245	0.3282	5.2600e-003	0.3335		1,462.4363	1,462.4363	0.0681		1,464.1397

SDSU - San Diego County, Winter

3.10 Architectural Coating Phase C2 - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0269	0.3041	1.2900e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		128.5393	128.5393	2.4600e-003		128.6007
Total	0.0521	0.0269	0.3041	1.2900e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		128.5393	128.5393	2.4600e-003		128.6007

SDSU - San Diego County, Winter

3.10 Architectural Coating Phase C2 - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0269	0.3041	1.2900e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		128.5393	128.5393	2.4600e-003		128.6007
Total	0.0521	0.0269	0.3041	1.2900e-003	0.1972	8.0000e-004	0.1980	0.0523	7.4000e-004	0.0530		128.5393	128.5393	2.4600e-003		128.6007

SDSU - San Diego County, Winter

3.10 Architectural Coating Phase C2 - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812		1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0488	0.0255	0.2907	1.2700e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		126.2946	126.2946	2.3500e-003		126.3534
Total	0.0488	0.0255	0.2907	1.2700e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		126.2946	126.2946	2.3500e-003		126.3534

SDSU - San Diego County, Winter

3.10 Architectural Coating Phase C2 - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9966					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5230	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3
Total	17.5196	3.4251	7.1910	0.0119		0.0812	0.0812		0.0812	0.0812	0.0000	1,125.792 2	1,125.792 2	0.0456		1,126.931 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0488	0.0255	0.2907	1.2700e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		126.2946	126.2946	2.3500e-003		126.3534
Total	0.0488	0.0255	0.2907	1.2700e-003	0.1972	7.5000e-004	0.1979	0.0523	6.9000e-004	0.0530		126.2946	126.2946	2.3500e-003		126.3534

SDSU - San Diego County, Winter

3.11 Paving Phase C3 - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380
Total	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380

SDSU - San Diego County, Winter

3.11 Paving Phase C3 - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380
Total	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380

SDSU - San Diego County, Winter

3.11 Paving Phase C3 - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380
Total	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380

SDSU - San Diego County, Winter

3.11 Paving Phase C3 - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380
Total	0.0272	0.0147	0.1668	7.7000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.7042	76.7042	1.3500e-003		76.7380

SDSU - San Diego County, Winter

3.12 Architectural Coating Phase C3 - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809
Total	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809

SDSU - San Diego County, Winter

3.12 Architectural Coating Phase C3 - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809
Total	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809

SDSU - San Diego County, Winter

3.12 Architectural Coating Phase C3 - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396		1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809
Total	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809

SDSU - San Diego County, Winter

3.12 Architectural Coating Phase C3 - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4715	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2
Total	17.3935	3.0309	7.1771	0.0119		0.0396	0.0396		0.0396	0.0396	0.0000	1,125.792 2	1,125.792 2	0.0416		1,126.832 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809
Total	0.0436	0.0235	0.2670	1.2300e-003	0.1972	6.5000e-004	0.1978	0.0523	6.0000e-004	0.0529		122.7268	122.7268	2.1600e-003		122.7809

4.0 Operational Detail - Mobile

SDSU - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

SDSU - San Diego County, Winter

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

SDSU - San Diego County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Apartments Mid Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	41.60	18.80	39.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Health Club	0.00	0.00	0.00	16.90	64.10	19.00	52	39	9
Hotel	0.00	0.00	0.00	19.40	61.60	19.00	58	38	4
Medical Office Building	0.00	0.00	0.00	29.60	51.40	19.00	60	30	10
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Supermarket	0.00	0.00	0.00	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

SDSU - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

SDSU - San Diego County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338
Unmitigated	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	53.8219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	148.7339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4320	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094		686.2819	686.2819	0.6581		702.7338
Total	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	53.8219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	148.7339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	11.4320	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094		686.2819	686.2819	0.6581		702.7338
Total	213.9877	4.3753	379.5363	0.0201		2.1094	2.1094		2.1094	2.1094	0.0000	686.2819	686.2819	0.6581	0.0000	702.7338

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX B-3
SDSU PROJECT CONSTRUCTION ON-ROAD
CONSTRUCTION TRIP EMISSION FACTORS
(2020 – 2023)

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

SDSU Vehicle Trip Emission Factors (2020-2023)
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Land Use - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Construction Phase - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Trips and VMT - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Vehicle Trips - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	1.00

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	5.00	0.00
tblLandUse	LotAcreage	1.09	0.24
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	7.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	18.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	5.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	50.00	10,000.00
tblVehicleTrips	HO_TL	7.50	1.00
tblVehicleTrips	HS_TL	7.30	1.00
tblVehicleTrips	HW_TL	10.80	1.00
tblVehicleTrips	ST_TR	4.31	1.00
tblVehicleTrips	SU_TR	3.43	1.00

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

tblVehicleTrips	WD_TR	4.18	1.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	153.9749	3,949.8310	1,211.7314	11.4246	324.5804	30.4945	340.0419	89.1647	29.1258	103.9344	0.0000	1,235,788.6783	1,235,788.6783	99.8550	0.0000	1,238,285.0525
2021	139.6959	3,611.9166	1,155.8662	11.2466	325.1110	10.8270	335.9379	89.2221	10.3262	99.5483	0.0000	1,219,418.9059	1,219,418.9059	98.1504	0.0000	1,221,872.6668
2022	131.2285	3,334.9172	1,123.1217	11.0690	325.3330	9.3570	334.6901	89.5785	8.9309	98.5094	0.0000	1,202,865.7827	1,202,865.7827	96.4902	0.0000	1,205,278.0379
2023	103.1079	2,400.0543	1,048.5179	10.6795	324.5776	4.7499	329.3275	89.1638	4.5120	93.6758	0.0000	1,164,214.9601	1,164,214.9601	91.5575	0.0000	1,166,503.8963
Maximum	153.9749	3,949.8310	1,211.7314	11.4246	325.3330	30.4945	340.0419	89.5785	29.1258	103.9344	0.0000	1,235,788.6783	1,235,788.6783	99.8550	0.0000	1,238,285.0525

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Energy	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Mobile	0.0640	0.2045	0.3289	7.5000e-004	0.0481	7.2000e-004	0.0488	0.0129	6.7000e-004	0.0135		77.0397	77.0397	5.7400e-003		77.1833
Total	109.4786	2.4944	138.3949	0.2415	0.0481	18.5843	18.6324	0.0129	18.5842	18.5971	1,944.0212	1,070.3431	3,014.3642	1.8129	0.1560	3,106.1713

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Energy	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Mobile	0.0640	0.2045	0.3289	7.5000e-004	0.0481	7.2000e-004	0.0488	0.0129	6.7000e-004	0.0135		77.0397	77.0397	5.7400e-003		77.1833
Total	109.4786	2.4944	138.3949	0.2415	0.0481	18.5843	18.6324	0.0129	18.5842	18.5971	1,944.0212	1,070.3431	3,014.3642	1.8129	0.1560	3,106.1713

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/1/2020	5	1	
2	Paving	Paving	6/6/2020	6/5/2020	5	0	
3	Architectural Coating	Architectural Coating	6/13/2020	6/12/2020	5	0	
4	Site Preparation	Site Preparation	1/1/2021	1/1/2021	5	1	
5	Grading	Grading	1/1/2022	1/3/2022	5	1	
6	Building Construction	Building Construction	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 141,750; Residential Outdoor: 47,250; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.235 2	1,147.235 2	0.2169		1,152.657 8
Total	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.235 2	1,147.235 2	0.2169		1,152.657 8

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	79.0417	2,789.6520	633.3862	7.8292	174.7368	8.9010	183.6378	47.8877	8.5157	56.4035		856,326.6565	856,326.6565	75.4304		858,212.4152
Vendor	37.3701	1,127.5820	287.2639	2.7376	67.6960	5.5168	73.2128	19.4876	5.2771	24.7648		294,040.0809	294,040.0809	21.6913		294,582.3637
Worker	36.6957	24.7241	283.4587	0.8458	82.1476	0.5765	82.7241	21.7894	0.5311	22.3205		84,274.7056	84,274.7056	2.5164		84,337.6158
Total	153.1076	3,941.9581	1,204.1089	11.4126	324.5804	14.9943	339.5747	89.1647	14.3240	103.4887		1,234,641.4431	1,234,641.4431	99.6381		1,237,132.3947

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.4 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.5 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	74.2290	2,563.3287	627.1005	7.7116	174.7370	7.8213	182.5583	47.8878	7.4827	55.3705		845,680.2885	845,680.2885	74.7032		847,547.8681
Vendor	30.2376	1,018.2954	259.5000	2.7081	67.6960	2.1387	69.8348	19.4876	2.0453	21.5330		291,351.9454	291,351.9454	20.8181		291,872.3969
Worker	34.5891	22.4721	265.2383	0.8172	82.1476	0.5675	82.7151	21.7894	0.5227	22.3121		81,444.0878	81,444.0878	2.3243		81,502.1964
Total	139.0557	3,604.0962	1,151.8388	11.2369	324.5807	10.5275	335.1082	89.1648	10.0507	99.2156		1,218,476.3217	1,218,476.3217	97.8456		1,220,922.4614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328	0.0000	942.5842	942.5842	0.3049		950.2055

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.5 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	74.2290	2,563.3287	627.1005	7.7116	174.7370	7.8213	182.5583	47.8878	7.4827	55.3705		845,680.2885	845,680.2885	74.7032		847,547.8681
Vendor	30.2376	1,018.2954	259.5000	2.7081	67.6960	2.1387	69.8348	19.4876	2.0453	21.5330		291,351.9454	291,351.9454	20.8181		291,872.3969
Worker	34.5891	22.4721	265.2383	0.8172	82.1476	0.5675	82.7151	21.7894	0.5227	22.3121		81,444.0878	81,444.0878	2.3243		81,502.1964
Total	139.0557	3,604.0962	1,151.8388	11.2369	324.5807	10.5275	335.1082	89.1648	10.0507	99.2156		1,218,476.3217	1,218,476.3217	97.8456		1,220,922.4614

3.6 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.6 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	69.6990	2,345.684 4	623.2423	7.5916	174.7367	6.6245	181.3612	47.8877	6.3377	54.2255		834,648.1 295	834,648.1 295	73.9671		836,497.3 079
Vendor	28.1205	962.3271	245.7708	2.6783	67.6960	1.8399	69.5358	19.4876	1.7594	21.2470		288,613.7 763	288,613.7 763	20.1804		289,118.28 67
Worker	32.6996	20.4919	246.6393	0.7871	82.1476	0.5551	82.7028	21.7894	0.5113	22.3006		78,455.97 44	78,455.97 44	2.1308		78,509.24 33
Total	130.5191	3,328.503 4	1,115.652 4	11.0570	324.5803	9.0195	333.5998	89.1647	8.6084	97.7731		1,201,717. 8802	1,201,717. 8802	96.2783		1,204,124. 8378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.902 5	1,147.902 5	0.2119		1,153.200 1
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363	0.0000	1,147.902 5	1,147.902 5	0.2119		1,153.200 1

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.6 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	69.6990	2,345.684 4	623.2423	7.5916	174.7367	6.6245	181.3612	47.8877	6.3377	54.2255		834,648.1 295	834,648.1 295	73.9671		836,497.3 079
Vendor	28.1205	962.3271	245.7708	2.6783	67.6960	1.8399	69.5358	19.4876	1.7594	21.2470		288,613.7 763	288,613.7 763	20.1804		289,118.28 67
Worker	32.6996	20.4919	246.6393	0.7871	82.1476	0.5551	82.7028	21.7894	0.5113	22.3006		78,455.97 44	78,455.97 44	2.1308		78,509.24 33
Total	130.5191	3,328.503 4	1,115.652 4	11.0570	324.5803	9.0195	333.5998	89.1647	8.6084	97.7731		1,201,717. 8802	1,201,717. 8802	96.2783		1,204,124. 8378

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.608 9	1,104.608 9	0.3573		1,113.5402
Total	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.608 9	1,104.608 9	0.3573		1,113.540 2

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	49.8323	1,617.3334	587.1799	7.3064	174.7344	2.9928	177.7271	47.8870	2.8631	50.7500		806,336.6072	806,336.6072	70.7746		808,105.9717
Vendor	21.6815	757.5884	225.1325	2.6048	67.6956	0.8927	68.5883	19.4875	0.8532	20.3407		281,317.0343	281,317.0343	18.4752		281,778.9133
Worker	30.9619	18.7139	229.1085	0.7569	82.1476	0.5442	82.6918	21.7894	0.5011	22.2905		75,456.7097	75,456.7097	1.9505		75,505.4712
Total	102.4756	2,393.6357	1,041.4209	10.6681	324.5776	4.4296	329.0072	89.1638	4.2174	93.3812		1,163,110.3512	1,163,110.3512	91.2002		1,165,390.3562

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
Total	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	49.8323	1,617.3334	587.1799	7.3064	174.7344	2.9928	177.7271	47.8870	2.8631	50.7500		806,336.6072	806,336.6072	70.7746		808,105.9717
Vendor	21.6815	757.5884	225.1325	2.6048	67.6956	0.8927	68.5883	19.4875	0.8532	20.3407		281,317.0343	281,317.0343	18.4752		281,778.9133
Worker	30.9619	18.7139	229.1085	0.7569	82.1476	0.5442	82.6918	21.7894	0.5011	22.2905		75,456.7097	75,456.7097	1.9505		75,505.4712
Total	102.4756	2,393.6357	1,041.4209	10.6681	324.5776	4.4296	329.0072	89.1638	4.2174	93.3812		1,163,110.3512	1,163,110.3512	91.2002		1,165,390.3562

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0640	0.2045	0.3289	7.5000e-004	0.0481	7.2000e-004	0.0488	0.0129	6.7000e-004	0.0135		77.0397	77.0397	5.7400e-003		77.1833
Unmitigated	0.0640	0.2045	0.3289	7.5000e-004	0.0481	7.2000e-004	0.0488	0.0129	6.7000e-004	0.0135		77.0397	77.0397	5.7400e-003		77.1833

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	70.00	70.00	70.00	22,690	22,690
Total	70.00	70.00	70.00	22,690	22,690

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse High Rise	1.00	1.00	1.00	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse High Rise	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998

5.0 Energy Detail

Historical Energy Use: N

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
NaturalGas Unmitigated	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	1424.69	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Total		0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	1.42469	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Total		0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Unmitigated	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1277	2.0921	132.2374	0.2396		18.5410	18.5410		18.5410	18.5410	1,944.021 2	815.2941	2,759.315 3	1.7940	0.1529	2,849.733 3
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.021 2	825.6928	2,769.713 9	1.8040	0.1529	2,860.381 4

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1277	2.0921	132.2374	0.2396		18.5410	18.5410		18.5410	18.5410	1,944.021 2	815.2941	2,759.315 3	1.7940	0.1529	2,849.733 3
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.021 2	825.6928	2,769.713 9	1.8040	0.1529	2,860.381 4

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

SDSU Vehicle Trip Emission Factors (2020-2023)
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse High Rise	70.00	Dwelling Unit	0.24	70,000.00	200

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Land Use - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Construction Phase - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Trips and VMT - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Vehicle Trips - SDSU Vehicle Trip Emission Factors (2020-2023) Run

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	1.00

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	5.00	0.00
tblLandUse	LotAcreage	1.09	0.24
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	0.00	10,000.00
tblTripsAndVMT	VendorTripNumber	7.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	18.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	5.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	10.00	10,000.00
tblTripsAndVMT	WorkerTripNumber	50.00	10,000.00
tblVehicleTrips	HO_TL	7.50	1.00
tblVehicleTrips	HS_TL	7.30	1.00
tblVehicleTrips	HW_TL	10.80	1.00
tblVehicleTrips	ST_TR	4.31	1.00
tblVehicleTrips	SU_TR	3.43	1.00

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

tblVehicleTrips	WD_TR	4.18	1.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	162.7967	3,978.7814	1,268.9026	11.1686	324.5804	31.0731	340.3312	89.1647	29.6794	104.2112	0.0000	1,208,358.0715	1,208,358.0715	103.6631	0.0000	1,210,949.6499
2021	148.0200	3,634.0714	1,208.8760	10.9939	325.1110	11.0795	336.1904	89.2221	10.5678	99.7899	0.0000	1,192,285.8665	1,192,285.8665	101.7694	0.0000	1,194,830.1006
2022	139.1791	3,351.7562	1,173.1522	10.8192	325.3330	9.5850	334.9180	89.5785	9.1490	98.7275	0.0000	1,175,985.8671	1,175,985.8671	99.9179	0.0000	1,178,483.8146
2023	110.0421	2,404.9944	1,082.8247	10.4395	324.5776	4.8982	329.4757	89.1638	4.6539	93.8177	0.0000	1,138,301.8482	1,138,301.8482	94.3487	0.0000	1,140,660.5654
Maximum	162.7967	3,978.7814	1,268.9026	11.1686	325.3330	31.0731	340.3312	89.5785	29.6794	104.2112	0.0000	1,208,358.0715	1,208,358.0715	103.6631	0.0000	1,210,949.6499

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Energy	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Mobile	0.0614	0.2036	0.3782	7.0000e-004	0.0481	7.3000e-004	0.0488	0.0129	6.8000e-004	0.0135		72.2020	72.2020	6.2400e-003		72.3580
Total	109.4760	2.4935	138.4441	0.2414	0.0481	18.5843	18.6324	0.0129	18.5843	18.5971	1,944.0212	1,065.5054	3,009.5265	1.8134	0.1560	3,101.3459

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Energy	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Mobile	0.0614	0.2036	0.3782	7.0000e-004	0.0481	7.3000e-004	0.0488	0.0129	6.8000e-004	0.0135		72.2020	72.2020	6.2400e-003		72.3580
Total	109.4760	2.4935	138.4441	0.2414	0.0481	18.5843	18.6324	0.0129	18.5843	18.5971	1,944.0212	1,065.5054	3,009.5265	1.8134	0.1560	3,101.3459

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/1/2020	5	1	
2	Paving	Paving	6/6/2020	6/5/2020	5	0	
3	Architectural Coating	Architectural Coating	6/13/2020	6/12/2020	5	0	
4	Site Preparation	Site Preparation	1/1/2021	1/1/2021	5	1	
5	Grading	Grading	1/1/2022	1/3/2022	5	1	
6	Building Construction	Building Construction	1/1/2023	1/2/2023	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 141,750; Residential Outdoor: 47,250; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10,000.00	10,000.00	10,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	81.2322	2,816.4768	675.2307	7.6944	174.7368	9.0857	183.8225	47.8877	8.6924	56.5801		841,635.4252	841,635.4252	78.0136		843,585.7644
Vendor	39.1367	1,126.6718	318.8023	2.6682	67.6960	5.6214	73.3174	19.4876	5.3772	24.8649		286,462.2158	286,462.2158	23.0508		287,038.4849
Worker	41.5604	27.7600	267.2469	0.7940	82.1476	0.5765	82.7241	21.7894	0.5311	22.3205		79,113.1953	79,113.1953	2.3819		79,172.7428
Total	161.9293	3,970.9085	1,261.2800	11.1566	324.5804	15.2835	339.8640	89.1647	14.6008	103.7655		1,207,210.8363	1,207,210.8363	103.4462		1,209,796.9921

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.4 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.5 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	76.2808	2,585.4412	666.5785	7.5778	174.7370	7.9875	182.7245	47.8878	7.6417	55.5296		831,069.2247	831,069.2247	77.1576		832,998.1652
Vendor	31.8747	1,015.5853	288.9453	2.6392	67.6960	2.2250	69.9211	19.4876	2.1278	21.6155		283,819.3002	283,819.3002	22.1104		284,372.0594
Worker	39.2243	25.2245	249.3248	0.7672	82.1476	0.5675	82.7151	21.7894	0.5227	22.3121		76,454.7574	76,454.7574	2.1965		76,509.6706
Total	147.3797	3,626.2510	1,204.8485	10.9842	324.5807	10.7800	335.3607	89.1648	10.2923	99.4571		1,191,343.2823	1,191,343.2823	101.4645		1,193,879.8951

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328	0.0000	942.5842	942.5842	0.3049		950.2055

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.5 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	76.2808	2,585.4412	666.5785	7.5778	174.7370	7.9875	182.7245	47.8878	7.6417	55.5296		831,069.2247	831,069.2247	77.1576		832,998.1652
Vendor	31.8747	1,015.5853	288.9453	2.6392	67.6960	2.2250	69.9211	19.4876	2.1278	21.6155		283,819.3002	283,819.3002	22.1104		284,372.0594
Worker	39.2243	25.2245	249.3248	0.7672	82.1476	0.5675	82.7151	21.7894	0.5227	22.3121		76,454.7574	76,454.7574	2.1965		76,509.6706
Total	147.3797	3,626.2510	1,204.8485	10.9842	324.5807	10.7800	335.3607	89.1648	10.2923	99.4571		1,191,343.2823	1,191,343.2823	101.4645		1,193,879.8951

3.6 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.6 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	71.6481	2,363.2750	660.7513	7.4585	174.7367	6.7746	181.5113	47.8877	6.4813	54.3690		820,082.7882	820,082.7882	76.2906		821,990.0542
Vendor	29.6505	959.0712	273.5820	2.6098	67.6960	1.9178	69.6137	19.4876	1.8339	21.3215		281,102.6178	281,102.6178	21.4044		281,637.7279
Worker	37.1711	22.9961	231.3496	0.7389	82.1476	0.5551	82.7028	21.7894	0.5113	22.3006		73,652.5586	73,652.5586	2.0110		73,702.8325
Total	138.4697	3,345.3424	1,165.6829	10.8072	324.5803	9.2475	333.8277	89.1647	8.8265	97.9912		1,174,837.9647	1,174,837.9647	99.7060		1,177,330.6146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.6 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	71.6481	2,363.2750	660.7513	7.4585	174.7367	6.7746	181.5113	47.8877	6.4813	54.3690		820,082.7882	820,082.7882	76.2906		821,990.0542
Vendor	29.6505	959.0712	273.5820	2.6098	67.6960	1.9178	69.6137	19.4876	1.8339	21.3215		281,102.6178	281,102.6178	21.4044		281,637.7279
Worker	37.1711	22.9961	231.3496	0.7389	82.1476	0.5551	82.7028	21.7894	0.5113	22.3006		73,652.5586	73,652.5586	2.0110		73,702.8325
Total	138.4697	3,345.3424	1,165.6829	10.8072	324.5803	9.2475	333.8277	89.1647	8.8265	97.9912		1,174,837.9647	1,174,837.9647	99.7060		1,177,330.6146

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
Total	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	51.2259	1,623.3708	614.1714	7.1786	174.7344	3.0912	177.8256	47.8870	2.9572	50.8442		792,288.2926	792,288.2926	72.6704		794,105.0519
Vendor	22.8887	754.2108	247.1184	2.5390	67.6956	0.9426	68.6382	19.4875	0.9010	20.3884		274,069.3264	274,069.3264	19.4831		274,556.4031
Worker	35.2953	20.9942	214.4380	0.7105	82.1476	0.5442	82.6918	21.7894	0.5011	22.2905		70,839.6204	70,839.6204	1.8380		70,885.5703
Total	109.4099	2,398.5758	1,075.7277	10.4281	324.5776	4.5779	329.1555	89.1638	4.3592	93.5231		1,137,197.2394	1,137,197.2394	93.9914		1,139,547.0253

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
Total	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	51.2259	1,623.3708	614.1714	7.1786	174.7344	3.0912	177.8256	47.8870	2.9572	50.8442		792,288.2926	792,288.2926	72.6704		794,105.0519
Vendor	22.8887	754.2108	247.1184	2.5390	67.6956	0.9426	68.6382	19.4875	0.9010	20.3884		274,069.3264	274,069.3264	19.4831		274,556.4031
Worker	35.2953	20.9942	214.4380	0.7105	82.1476	0.5442	82.6918	21.7894	0.5011	22.2905		70,839.6204	70,839.6204	1.8380		70,885.5703
Total	109.4099	2,398.5758	1,075.7277	10.4281	324.5776	4.5779	329.1555	89.1638	4.3592	93.5231		1,137,197.2394	1,137,197.2394	93.9914		1,139,547.0253

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0614	0.2036	0.3782	7.0000e-004	0.0481	7.3000e-004	0.0488	0.0129	6.8000e-004	0.0135		72.2020	72.2020	6.2400e-003		72.3580
Unmitigated	0.0614	0.2036	0.3782	7.0000e-004	0.0481	7.3000e-004	0.0488	0.0129	6.8000e-004	0.0135		72.2020	72.2020	6.2400e-003		72.3580

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	70.00	70.00	70.00	22,690	22,690
Total	70.00	70.00	70.00	22,690	22,690

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse High Rise	1.00	1.00	1.00	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse High Rise	0.606234	0.039465	0.179154	0.102641	0.014368	0.005395	0.016820	0.024508	0.001929	0.001857	0.005869	0.000761	0.000998

5.0 Energy Detail

Historical Energy Use: N

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
NaturalGas Unmitigated	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	1424.69	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Total		0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	1.42469	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Total		0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814
Unmitigated	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.0212	825.6928	2,769.7139	1.8040	0.1529	2,860.3814

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.6000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	1.4980					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	107.1277	2.0921	132.2374	0.2396		18.5410	18.5410		18.5410	18.5410	1,944.021 2	815.2941	2,759.315 3	1.7940	0.1529		2,849.733 3
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003			10.6481
Total	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.021 2	825.6928	2,769.713 9	1.8040	0.1529		2,860.381 4

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	107.1277	2.0921	132.2374	0.2396		18.5410	18.5410		18.5410	18.5410	1,944.021 2	815.2941	2,759.315 3	1.7940	0.1529	2,849.733 3
Landscaping	0.1736	0.0665	5.7727	3.0000e-004		0.0320	0.0320		0.0320	0.0320		10.3987	10.3987	9.9800e-003		10.6481
Total	109.3992	2.1586	138.0101	0.2399		18.5730	18.5730		18.5730	18.5730	1,944.021 2	825.6928	2,769.713 9	1.8040	0.1529	2,860.381 4

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU Vehicle Trip Emission Factors (2020-2023) - San Diego County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX B-4
SDSU PROJECT OPERATION

SDSU - San Diego County, Summer

SDSU
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse High Rise	70.00	Dwelling Unit	1.09	70,000.00	200
Apartments Mid Rise	2,010.00	Dwelling Unit	52.89	2,010,000.00	5749
Apartments High Rise	2,220.00	Dwelling Unit	35.81	2,220,000.00	6349
General Office Building	1,165.00	1000sqft	26.74	1,165,000.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
Research & Development	301.00	1000sqft	6.91	301,000.00	0
Hotel	400.00	Room	13.33	580,800.00	0
Regional Shopping Center	83.00	1000sqft	1.91	83,000.00	0
Supermarket	12.00	1000sqft	0.28	12,000.00	0
Health Club	25.00	1000sqft	0.57	25,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	101.43	4,508,000.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

SDSU - San Diego County, Summer

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use -

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Trips and VMT - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Woodstoves - No wood-burning fireplaces or woodstoves.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use -

Water And Wastewater - Indoor water use includes 20% reduction.

Solid Waste - 75% waste diversion.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00

SDSU - San Diego County, Summer

tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
tblConstructionPhase	PhaseEndDate	1/22/2044	10/17/2042
tblConstructionPhase	PhaseEndDate	7/12/2041	9/15/2023
tblConstructionPhase	PhaseEndDate	3/26/2021	2/2/2020
tblConstructionPhase	PhaseEndDate	9/15/2023	12/3/2021
tblConstructionPhase	PhaseEndDate	10/17/2042	7/12/2041
tblConstructionPhase	PhaseEndDate	12/3/2021	3/26/2021
tblFireplaces	NumberGas	1,221.00	111.00
tblFireplaces	NumberGas	1,105.50	100.50
tblFireplaces	NumberGas	38.50	3.50
tblFireplaces	NumberNoFireplace	222.00	2,109.00
tblFireplaces	NumberNoFireplace	201.00	1,909.50
tblFireplaces	NumberNoFireplace	7.00	66.50
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	703.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblGrading	AcresOfGrading	0.00	1,162.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

SDSU - San Diego County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	510.60
tblSolidWaste	SolidWasteGenerationRate	924.60	462.30
tblSolidWaste	SolidWasteGenerationRate	4.30	2.15
tblSolidWaste	SolidWasteGenerationRate	32.20	16.10
tblSolidWaste	SolidWasteGenerationRate	1,083.45	541.70
tblSolidWaste	SolidWasteGenerationRate	142.50	71.30
tblSolidWaste	SolidWasteGenerationRate	219.00	109.50
tblSolidWaste	SolidWasteGenerationRate	1,080.00	540.00
tblSolidWaste	SolidWasteGenerationRate	87.15	43.60
tblSolidWaste	SolidWasteGenerationRate	22.87	11.40
tblSolidWaste	SolidWasteGenerationRate	67.68	33.80
tblTripsAndVMT	VendorTripNumber	1,927.00	0.00
tblTripsAndVMT	WorkerTripNumber	6,690.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,338.00	0.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35

SDSU - San Diego County, Summer

tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

SDSU - San Diego County, Summer

tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	15.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00

SDSU - San Diego County, Summer

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	82.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	4.98	4.43
tblVehicleTrips	ST_TR	6.39	4.43
tblVehicleTrips	ST_TR	22.75	102.99
tblVehicleTrips	ST_TR	4.31	4.43
tblVehicleTrips	ST_TR	2.46	3.19
tblVehicleTrips	ST_TR	20.87	10.33
tblVehicleTrips	ST_TR	8.19	8.04
tblVehicleTrips	ST_TR	8.96	11.59
tblVehicleTrips	ST_TR	49.97	131.12
tblVehicleTrips	ST_TR	1.90	1.07
tblVehicleTrips	ST_TR	177.59	223.00
tblVehicleTrips	SU_TR	3.65	4.43
tblVehicleTrips	SU_TR	5.86	4.43

SDSU - San Diego County, Summer

tblVehicleTrips	SU_TR	16.74	102.99
tblVehicleTrips	SU_TR	3.43	4.43
tblVehicleTrips	SU_TR	1.05	3.19
tblVehicleTrips	SU_TR	26.73	10.33
tblVehicleTrips	SU_TR	5.95	8.04
tblVehicleTrips	SU_TR	1.55	11.59
tblVehicleTrips	SU_TR	25.24	131.12
tblVehicleTrips	SU_TR	1.11	1.07
tblVehicleTrips	SU_TR	166.44	223.00
tblVehicleTrips	WD_TR	4.20	4.92
tblVehicleTrips	WD_TR	6.65	4.92
tblVehicleTrips	WD_TR	1.89	41.00
tblVehicleTrips	WD_TR	4.18	4.92
tblVehicleTrips	WD_TR	11.03	14.06
tblVehicleTrips	WD_TR	32.93	32.80
tblVehicleTrips	WD_TR	8.17	8.20
tblVehicleTrips	WD_TR	36.13	47.12
tblVehicleTrips	WD_TR	42.70	107.04
tblVehicleTrips	WD_TR	8.11	6.56
tblVehicleTrips	WD_TR	102.24	133.80
tblWater	IndoorWaterUseRate	144,641,936.88	115,713,550.00
tblWater	IndoorWaterUseRate	130,959,591.50	104,767,673.00
tblWater	IndoorWaterUseRate	4,560,781.79	3,648,625.00
tblWater	IndoorWaterUseRate	207,059,816.41	165,647,853.00
tblWater	IndoorWaterUseRate	1,478,578.60	1,182,863.00
tblWater	IndoorWaterUseRate	10,146,708.00	8,117,366.00
tblWater	IndoorWaterUseRate	12,548,053.76	10,038,443.00

SDSU - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Energy	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
Mobile	66.7377	293.8240	826.3926	3.6887	432.0876	1.7982	433.8858	115.4393	1.6716	117.1109		378,824.5182	378,824.5182	17.4810		379,261.5434
Total	254.5225	326.6554	1,200.5833	3.8844	432.0876	6.0111	438.0987	115.4393	5.8844	121.3237	0.0000	414,846.0233	414,846.0233	18.7748	0.6486	415,508.6839

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Energy	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
Mobile	66.7377	293.8240	826.3926	3.6887	432.0876	1.7982	433.8858	115.4393	1.6716	117.1109		378,824.5182	378,824.5182	17.4810		379,261.5434
Total	254.5225	326.6554	1,200.5833	3.8844	432.0876	6.0111	438.0987	115.4393	5.8844	121.3237	0.0000	414,846.0233	414,846.0233	18.7748	0.6486	415,508.6839

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	3/27/2021	3/26/2021	5	0	
3	Grading	Grading	12/4/2021	12/3/2021	5	0	
4	Building Construction	Building Construction	9/16/2023	9/15/2023	5	0	
5	Paving	Paving	7/13/2041	7/12/2041	5	0	
6	Architectural Coating	Architectural Coating	10/18/2042	10/17/2042	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1162.5

Acres of Paving: 101.43

Residential Indoor: 8,707,500; Residential Outdoor: 2,902,500; Non-Residential Indoor: 3,400,200; Non-Residential Outdoor: 1,133,400; Striped Parking Area: 270,480 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Summer

3.7 Architectural Coating - 2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	66.7377	293.8240	826.3926	3.6887	432.0876	1.7982	433.8858	115.4393	1.6716	117.1109		378,824.5 182	378,824.5 182	17.4810		379,261.5 434
Unmitigated	66.7377	293.8240	826.3926	3.6887	432.0876	1.7982	433.8858	115.4393	1.6716	117.1109		378,824.5 182	378,824.5 182	17.4810		379,261.5 434

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	10,922.40	9,834.60	9834.60	32,271,669	32,271,669
Apartments Mid Rise	9,889.20	8,904.30	8904.30	29,218,944	29,218,944
City Park	2,050.00	5,149.50	5149.50	8,927,569	8,927,569
Condo/Townhouse High Rise	344.40	310.10	310.10	1,017,575	1,017,575
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	16,379.90	3,716.35	3716.35	38,810,617	38,810,617
Health Club	820.00	258.25	258.25	2,005,651	2,005,651
Hotel	3,280.00	3,216.00	3216.00	9,919,425	9,919,425
Medical Office Building	4,712.00	1,159.00	1159.00	11,242,767	11,242,767
Regional Shopping Center	8,884.32	10,882.96	10882.96	28,755,348	28,755,348
Research & Development	1,974.56	322.07	322.07	4,569,113	4,569,113
Supermarket	1,605.60	2,676.00	2676.00	5,812,977	5,812,977
Total	60,862.38	46,429.13	46,429.13	172,551,656	172,551,656

4.3 Trip Type Information

SDSU - San Diego County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
Apartments Mid Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Condo/Townhouse High Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
Enclosed Parking with Elevator	8.35	8.35	8.35	0.00	0.00	0.00	100	0	0
General Office Building	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Health Club	8.35	8.35	8.35	16.90	64.10	19.00	100	0	0
Hotel	8.35	8.35	8.35	19.40	61.60	19.00	100	0	0
Medical Office Building	8.35	8.35	8.35	29.60	51.40	19.00	100	0	0
Regional Shopping Center	8.35	8.35	8.35	16.30	64.70	19.00	100	0	0
Research & Development	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Supermarket	8.35	8.35	8.35	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

SDSU - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
NaturalGas Unmitigated	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	45183	0.4873	4.1639	1.7719	0.0266		0.3367	0.3367		0.3367	0.3367		5,315.6496	5,315.6496	0.1019	0.0975	5,347.2378
Apartments Mid Rise	40909	0.4412	3.7700	1.6043	0.0241		0.3048	0.3048		0.3048	0.3048		4,812.8179	4,812.8179	0.0923	0.0882	4,841.4180
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1424.69	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	64442.1	0.6950	6.3179	5.3070	0.0379		0.4802	0.4802		0.4802	0.4802		7,581.4182	7,581.4182	0.1453	0.1390	7,626.4708
Health Club	791.781	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1507	93.1507	1.7900e-003	1.7100e-003	93.7042
Hotel	92880.3	1.0017	9.1059	7.6490	0.0546		0.6921	0.6921		0.6921	0.6921		10,927.0898	10,927.0898	0.2094	0.2003	10,992.0240
Medical Office Building	5531.51	0.0597	0.5423	0.4555	3.2500e-003		0.0412	0.0412		0.0412	0.0412		650.7655	650.7655	0.0125	0.0119	654.6327
Regional Shopping Center	507.096	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003		59.6583	59.6583	1.1400e-003	1.0900e-003	60.0129
Research & Development	9533.04	0.1028	0.9346	0.7851	5.6100e-003		0.0710	0.0710		0.0710	0.0710		1,121.5343	1,121.5343	0.0215	0.0206	1,128.1990
Supermarket	825.863	8.9100e-003	0.0810	0.0680	4.9000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003		97.1604	97.1604	1.8600e-003	1.7800e-003	97.7377
Total		2.8258	25.1743	17.8036	0.1542		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5651	31,010.0437

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	45.183	0.4873	4.1639	1.7719	0.0266		0.3367	0.3367		0.3367	0.3367		5,315.6496	5,315.6496	0.1019	0.0975	5,347.2378
Apartments Mid Rise	40.909	0.4412	3.7700	1.6043	0.0241		0.3048	0.3048		0.3048	0.3048		4,812.8179	4,812.8179	0.0923	0.0882	4,841.4180
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1.42469	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	64.4421	0.6950	6.3179	5.3070	0.0379		0.4802	0.4802		0.4802	0.4802		7,581.4182	7,581.4182	0.1453	0.1390	7,626.4708
Health Club	0.791781	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1507	93.1507	1.7900e-003	1.7100e-003	93.7042
Hotel	92.8803	1.0017	9.1059	7.6490	0.0546		0.6921	0.6921		0.6921	0.6921		10,927.0898	10,927.0898	0.2094	0.2003	10,992.0240
Medical Office Building	5.53151	0.0597	0.5423	0.4555	3.2500e-003		0.0412	0.0412		0.0412	0.0412		650.7655	650.7655	0.0125	0.0119	654.6327
Regional Shopping Center	0.507096	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003		59.6583	59.6583	1.1400e-003	1.0900e-003	60.0129
Research & Development	9.53304	0.1028	0.9346	0.7851	5.6100e-003		0.0710	0.0710		0.0710	0.0710		1,121.5343	1,121.5343	0.0215	0.0206	1,128.1990
Supermarket	0.825863	8.9100e-003	0.0810	0.0680	4.9000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003		97.1604	97.1604	1.8600e-003	1.7800e-003	97.7377
Total		2.8258	25.1743	17.8036	0.1542		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5651	31,010.0437

6.0 Area Detail

SDSU - San Diego County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Unmitigated	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	31.6089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	142.2385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4174	3.5665	1.5177	0.0228		0.2884	0.2884		0.2884	0.2884	0.0000	4,552.941 2	4,552.941 2	0.0873	0.0835	4,579.997 0
Landscaping	10.6943	4.0907	354.8695	0.0188		1.9721	1.9721		1.9721	1.9721		641.7088	641.7088	0.6156		657.0997
Total	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.650 0	5,194.650 0	0.7029	0.0835	5,237.096 7

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	31.6089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	142.2385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4174	3.5665	1.5177	0.0228		0.2884	0.2884		0.2884	0.2884	0.0000	4,552.941 2	4,552.941 2	0.0873	0.0835	4,579.997 0
Landscaping	10.6943	4.0907	354.8695	0.0188		1.9721	1.9721		1.9721	1.9721		641.7088	641.7088	0.6156		657.0997
Total	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.650 0	5,194.650 0	0.7029	0.0835	5,237.096 7

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU - San Diego County, Winter

SDSU
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse High Rise	70.00	Dwelling Unit	1.09	70,000.00	200
Apartments Mid Rise	2,010.00	Dwelling Unit	52.89	2,010,000.00	5749
Apartments High Rise	2,220.00	Dwelling Unit	35.81	2,220,000.00	6349
General Office Building	1,165.00	1000sqft	26.74	1,165,000.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
Research & Development	301.00	1000sqft	6.91	301,000.00	0
Hotel	400.00	Room	13.33	580,800.00	0
Regional Shopping Center	83.00	1000sqft	1.91	83,000.00	0
Supermarket	12.00	1000sqft	0.28	12,000.00	0
Health Club	25.00	1000sqft	0.57	25,000.00	0
Enclosed Parking with Elevator	11,270.00	Space	101.43	4,508,000.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

SDSU - San Diego County, Winter

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 60% RPS

Land Use -

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Trips and VMT - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Woodstoves - No wood-burning fireplaces or woodstoves.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use -

Water And Wastewater - Indoor water use includes 20% reduction.

Solid Waste - 75% waste diversion.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00

SDSU - San Diego County, Winter

tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
tblConstructionPhase	PhaseEndDate	1/22/2044	10/17/2042
tblConstructionPhase	PhaseEndDate	7/12/2041	9/15/2023
tblConstructionPhase	PhaseEndDate	3/26/2021	2/2/2020
tblConstructionPhase	PhaseEndDate	9/15/2023	12/3/2021
tblConstructionPhase	PhaseEndDate	10/17/2042	7/12/2041
tblConstructionPhase	PhaseEndDate	12/3/2021	3/26/2021
tblFireplaces	NumberGas	1,221.00	111.00
tblFireplaces	NumberGas	1,105.50	100.50
tblFireplaces	NumberGas	38.50	3.50
tblFireplaces	NumberNoFireplace	222.00	2,109.00
tblFireplaces	NumberNoFireplace	201.00	1,909.50
tblFireplaces	NumberNoFireplace	7.00	66.50
tblFireplaces	NumberWood	777.00	0.00
tblFireplaces	NumberWood	703.50	0.00
tblFireplaces	NumberWood	24.50	0.00
tblGrading	AcresOfGrading	0.00	1,162.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	1,021.20	510.60
tblSolidWaste	SolidWasteGenerationRate	924.60	462.30
tblSolidWaste	SolidWasteGenerationRate	4.30	2.15
tblSolidWaste	SolidWasteGenerationRate	32.20	16.10
tblSolidWaste	SolidWasteGenerationRate	1,083.45	541.70
tblSolidWaste	SolidWasteGenerationRate	142.50	71.30
tblSolidWaste	SolidWasteGenerationRate	219.00	109.50
tblSolidWaste	SolidWasteGenerationRate	1,080.00	540.00
tblSolidWaste	SolidWasteGenerationRate	87.15	43.60
tblSolidWaste	SolidWasteGenerationRate	22.87	11.40
tblSolidWaste	SolidWasteGenerationRate	67.68	33.80
tblTripsAndVMT	VendorTripNumber	1,927.00	0.00
tblTripsAndVMT	WorkerTripNumber	6,690.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,338.00	0.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35

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tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

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tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	15.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00

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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	82.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	4.98	4.43
tblVehicleTrips	ST_TR	6.39	4.43
tblVehicleTrips	ST_TR	22.75	102.99
tblVehicleTrips	ST_TR	4.31	4.43
tblVehicleTrips	ST_TR	2.46	3.19
tblVehicleTrips	ST_TR	20.87	10.33
tblVehicleTrips	ST_TR	8.19	8.04
tblVehicleTrips	ST_TR	8.96	11.59
tblVehicleTrips	ST_TR	49.97	131.12
tblVehicleTrips	ST_TR	1.90	1.07
tblVehicleTrips	ST_TR	177.59	223.00
tblVehicleTrips	SU_TR	3.65	4.43
tblVehicleTrips	SU_TR	5.86	4.43

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tblVehicleTrips	SU_TR	16.74	102.99
tblVehicleTrips	SU_TR	3.43	4.43
tblVehicleTrips	SU_TR	1.05	3.19
tblVehicleTrips	SU_TR	26.73	10.33
tblVehicleTrips	SU_TR	5.95	8.04
tblVehicleTrips	SU_TR	1.55	11.59
tblVehicleTrips	SU_TR	25.24	131.12
tblVehicleTrips	SU_TR	1.11	1.07
tblVehicleTrips	SU_TR	166.44	223.00
tblVehicleTrips	WD_TR	4.20	4.92
tblVehicleTrips	WD_TR	6.65	4.92
tblVehicleTrips	WD_TR	1.89	41.00
tblVehicleTrips	WD_TR	4.18	4.92
tblVehicleTrips	WD_TR	11.03	14.06
tblVehicleTrips	WD_TR	32.93	32.80
tblVehicleTrips	WD_TR	8.17	8.20
tblVehicleTrips	WD_TR	36.13	47.12
tblVehicleTrips	WD_TR	42.70	107.04
tblVehicleTrips	WD_TR	8.11	6.56
tblVehicleTrips	WD_TR	102.24	133.80
tblWater	IndoorWaterUseRate	144,641,936.88	115,713,550.00
tblWater	IndoorWaterUseRate	130,959,591.50	104,767,673.00
tblWater	IndoorWaterUseRate	4,560,781.79	3,648,625.00
tblWater	IndoorWaterUseRate	207,059,816.41	165,647,853.00
tblWater	IndoorWaterUseRate	1,478,578.60	1,182,863.00
tblWater	IndoorWaterUseRate	10,146,708.00	8,117,366.00
tblWater	IndoorWaterUseRate	12,548,053.76	10,038,443.00

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Energy	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
Mobile	64.7440	299.3986	804.7464	3.5071	432.0876	1.8025	433.8901	115.4393	1.6757	117.1149		360,424.8539	360,424.8539	17.5495		360,863.5922
Total	252.5287	332.2301	1,178.9371	3.7028	432.0876	6.0154	438.1029	115.4393	5.8885	121.3278	0.0000	396,446.3590	396,446.3590	18.8433	0.6486	397,110.7326

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Energy	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
Mobile	64.7440	299.3986	804.7464	3.5071	432.0876	1.8025	433.8901	115.4393	1.6757	117.1149		360,424.8539	360,424.8539	17.5495		360,863.5922
Total	252.5287	332.2301	1,178.9371	3.7028	432.0876	6.0154	438.1029	115.4393	5.8885	121.3278	0.0000	396,446.3590	396,446.3590	18.8433	0.6486	397,110.7326

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	3/27/2021	3/26/2021	5	0	
3	Grading	Grading	12/4/2021	12/3/2021	5	0	
4	Building Construction	Building Construction	9/16/2023	9/15/2023	5	0	
5	Paving	Paving	7/13/2041	7/12/2041	5	0	
6	Architectural Coating	Architectural Coating	10/18/2042	10/17/2042	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1162.5

Acres of Paving: 101.43

Residential Indoor: 8,707,500; Residential Outdoor: 2,902,500; Non-Residential Indoor: 3,400,200; Non-Residential Outdoor: 1,133,400; Striped Parking Area: 270,480 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Winter

3.7 Architectural Coating - 2042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	64.7440	299.3986	804.7464	3.5071	432.0876	1.8025	433.8901	115.4393	1.6757	117.1149		360,424.8539	360,424.8539	17.5495		360,863.5922
Unmitigated	64.7440	299.3986	804.7464	3.5071	432.0876	1.8025	433.8901	115.4393	1.6757	117.1149		360,424.8539	360,424.8539	17.5495		360,863.5922

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	10,922.40	9,834.60	9834.60	32,271,669	32,271,669
Apartments Mid Rise	9,889.20	8,904.30	8904.30	29,218,944	29,218,944
City Park	2,050.00	5,149.50	5149.50	8,927,569	8,927,569
Condo/Townhouse High Rise	344.40	310.10	310.10	1,017,575	1,017,575
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	16,379.90	3,716.35	3716.35	38,810,617	38,810,617
Health Club	820.00	258.25	258.25	2,005,651	2,005,651
Hotel	3,280.00	3,216.00	3216.00	9,919,425	9,919,425
Medical Office Building	4,712.00	1,159.00	1159.00	11,242,767	11,242,767
Regional Shopping Center	8,884.32	10,882.96	10882.96	28,755,348	28,755,348
Research & Development	1,974.56	322.07	322.07	4,569,113	4,569,113
Supermarket	1,605.60	2,676.00	2676.00	5,812,977	5,812,977
Total	60,862.38	46,429.13	46,429.13	172,551,656	172,551,656

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
Apartments Mid Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Condo/Townhouse High Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
Enclosed Parking with Elevator	8.35	8.35	8.35	0.00	0.00	0.00	100	0	0
General Office Building	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Health Club	8.35	8.35	8.35	16.90	64.10	19.00	100	0	0
Hotel	8.35	8.35	8.35	19.40	61.60	19.00	100	0	0
Medical Office Building	8.35	8.35	8.35	29.60	51.40	19.00	100	0	0
Regional Shopping Center	8.35	8.35	8.35	16.30	64.70	19.00	100	0	0
Research & Development	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
Supermarket	8.35	8.35	8.35	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Condo/Townhouse High Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Enclosed Parking with Elevator	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
General Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Health Club	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Hotel	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Medical Office Building	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Regional Shopping Center	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Research & Development	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
Supermarket	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437
NaturalGas Unmitigated	2.8258	25.1742	17.8036	0.1541		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5652	31,010.0437

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	45183	0.4873	4.1639	1.7719	0.0266		0.3367	0.3367		0.3367	0.3367		5,315.6496	5,315.6496	0.1019	0.0975	5,347.2378
Apartments Mid Rise	40909	0.4412	3.7700	1.6043	0.0241		0.3048	0.3048		0.3048	0.3048		4,812.8179	4,812.8179	0.0923	0.0882	4,841.4180
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1424.69	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	64442.1	0.6950	6.3179	5.3070	0.0379		0.4802	0.4802		0.4802	0.4802		7,581.4182	7,581.4182	0.1453	0.1390	7,626.4708
Health Club	791.781	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1507	93.1507	1.7900e-003	1.7100e-003	93.7042
Hotel	92880.3	1.0017	9.1059	7.6490	0.0546		0.6921	0.6921		0.6921	0.6921		10,927.0898	10,927.0898	0.2094	0.2003	10,992.0240
Medical Office Building	5531.51	0.0597	0.5423	0.4555	3.2500e-003		0.0412	0.0412		0.0412	0.0412		650.7655	650.7655	0.0125	0.0119	654.6327
Regional Shopping Center	507.096	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003		59.6583	59.6583	1.1400e-003	1.0900e-003	60.0129
Research & Development	9533.04	0.1028	0.9346	0.7851	5.6100e-003		0.0710	0.0710		0.0710	0.0710		1,121.5343	1,121.5343	0.0215	0.0206	1,128.1990
Supermarket	825.863	8.9100e-003	0.0810	0.0680	4.9000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003		97.1604	97.1604	1.8600e-003	1.7800e-003	97.7377
Total		2.8258	25.1743	17.8036	0.1542		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5651	31,010.0437

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	45.183	0.4873	4.1639	1.7719	0.0266		0.3367	0.3367		0.3367	0.3367		5,315.6496	5,315.6496	0.1019	0.0975	5,347.2378
Apartments Mid Rise	40.909	0.4412	3.7700	1.6043	0.0241		0.3048	0.3048		0.3048	0.3048		4,812.8179	4,812.8179	0.0923	0.0882	4,841.4180
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1.42469	0.0154	0.1313	0.0559	8.4000e-004		0.0106	0.0106		0.0106	0.0106		167.6106	167.6106	3.2100e-003	3.0700e-003	168.6066
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	64.4421	0.6950	6.3179	5.3070	0.0379		0.4802	0.4802		0.4802	0.4802		7,581.4182	7,581.4182	0.1453	0.1390	7,626.4708
Health Club	0.791781	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1507	93.1507	1.7900e-003	1.7100e-003	93.7042
Hotel	92.8803	1.0017	9.1059	7.6490	0.0546		0.6921	0.6921		0.6921	0.6921		10,927.0898	10,927.0898	0.2094	0.2003	10,992.0240
Medical Office Building	5.53151	0.0597	0.5423	0.4555	3.2500e-003		0.0412	0.0412		0.0412	0.0412		650.7655	650.7655	0.0125	0.0119	654.6327
Regional Shopping Center	0.507096	5.4700e-003	0.0497	0.0418	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003		59.6583	59.6583	1.1400e-003	1.0900e-003	60.0129
Research & Development	9.53304	0.1028	0.9346	0.7851	5.6100e-003		0.0710	0.0710		0.0710	0.0710		1,121.5343	1,121.5343	0.0215	0.0206	1,128.1990
Supermarket	0.825863	8.9100e-003	0.0810	0.0680	4.9000e-004		6.1500e-003	6.1500e-003		6.1500e-003	6.1500e-003		97.1604	97.1604	1.8600e-003	1.7800e-003	97.7377
Total		2.8258	25.1743	17.8036	0.1542		1.9524	1.9524		1.9524	1.9524		30,826.8551	30,826.8551	0.5909	0.5651	31,010.0437

6.0 Area Detail

SDSU - San Diego County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967
Unmitigated	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	31.6089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	142.2385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4174	3.5665	1.5177	0.0228		0.2884	0.2884		0.2884	0.2884	0.0000	4,552.941 2	4,552.941 2	0.0873	0.0835	4,579.997 0
Landscaping	10.6943	4.0907	354.8695	0.0188		1.9721	1.9721		1.9721	1.9721		641.7088	641.7088	0.6156		657.0997
Total	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.650 0	5,194.650 0	0.7029	0.0835	5,237.096 7

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	31.6089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	142.2385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4174	3.5665	1.5177	0.0228		0.2884	0.2884		0.2884	0.2884	0.0000	4,552.9412	4,552.9412	0.0873	0.0835	4,579.9970
Landscaping	10.6943	4.0907	354.8695	0.0188		1.9721	1.9721		1.9721	1.9721		641.7088	641.7088	0.6156		657.0997
Total	184.9590	7.6572	356.3871	0.0416		2.2605	2.2605		2.2605	2.2605	0.0000	5,194.6500	5,194.6500	0.7029	0.0835	5,237.0967

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU - San Diego County, Summer

SDSU
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	300.00	Dwelling Unit	7.89	300,000.00	858
City Park	6.00	Acre	6.00	261,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

SDSU - San Diego County, Summer

Project Characteristics - 60% RPS

Land Use -

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Grading - Construction analyzed separately.

Trips and VMT - Construction analyzed separately.

Architectural Coating - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Woodstoves - No wood-burning fireplaces or woodstoves.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use -

Water And Wastewater - Indoor water use includes 20% reduction.

Solid Waste - 75% waste diversion

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	202,500.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	607,500.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	20.00	0.00

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tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	8/13/2021	7/16/2021
tblConstructionPhase	PhaseEndDate	6/18/2021	4/24/2020
tblConstructionPhase	PhaseEndDate	2/28/2020	2/2/2020
tblConstructionPhase	PhaseEndDate	4/24/2020	3/13/2020
tblConstructionPhase	PhaseEndDate	7/16/2021	6/18/2021
tblConstructionPhase	PhaseEndDate	3/13/2020	2/28/2020
tblFireplaces	NumberGas	165.00	15.00
tblFireplaces	NumberNoFireplace	30.00	285.00
tblFireplaces	NumberWood	105.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

SDSU - San Diego County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	138.00	69.00
tblSolidWaste	SolidWasteGenerationRate	0.52	0.26
tblTripsAndVMT	VendorTripNumber	75.00	0.00
tblTripsAndVMT	WorkerTripNumber	326.00	0.00
tblTripsAndVMT	WorkerTripNumber	65.00	0.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	6.39	3.28
tblVehicleTrips	ST_TR	22.75	10.33
tblVehicleTrips	SU_TR	5.86	3.28

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tblVehicleTrips	SU_TR	16.74	10.33
tblVehicleTrips	WD_TR	6.65	3.61
tblVehicleTrips	WD_TR	1.89	4.10
tblWater	IndoorWaterUseRate	19,546,207.69	15,636,966.00
tblWoodstoves	NumberCatalytic	15.00	0.00
tblWoodstoves	NumberNoncatalytic	15.00	0.00

2.0 Emissions Summary

SDSU - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Energy	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
Mobile	1.1400	5.0189	14.1159	0.0630	7.3807	0.0307	7.4114	1.9719	0.0286	2.0004		6,470.842 1	6,470.842 1	0.2986		6,478.307 1
Total	9.9488	6.1150	39.1252	0.0695	7.3807	0.2336	7.6142	1.9719	0.2314	2.2033	0.0000	7,551.387 2	7,551.387 2	0.3609	0.0190	7,566.069 1

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Energy	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
Mobile	1.1400	5.0189	14.1159	0.0630	7.3807	0.0307	7.4114	1.9719	0.0286	2.0004		6,470.842 1	6,470.842 1	0.2986		6,478.307 1
Total	9.9488	6.1150	39.1252	0.0695	7.3807	0.2336	7.6142	1.9719	0.2314	2.2033	0.0000	7,551.387 2	7,551.387 2	0.3609	0.0190	7,566.069 1

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	2/29/2020	2/28/2020	5	0	
3	Grading	Grading	3/14/2020	3/13/2020	5	0	
4	Building Construction	Building Construction	4/25/2020	4/24/2020	5	0	
5	Paving	Paving	6/19/2021	6/18/2021	5	0	
6	Architectural Coating	Architectural Coating	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1400	5.0189	14.1159	0.0630	7.3807	0.0307	7.4114	1.9719	0.0286	2.0004		6,470.842 1	6,470.842 1	0.2986		6,478.307 1
Unmitigated	1.1400	5.0189	14.1159	0.0630	7.3807	0.0307	7.4114	1.9719	0.0286	2.0004		6,470.842 1	6,470.842 1	0.2986		6,478.307 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,083.00	984.00	984.00	3,207,564	3,207,564
City Park	24.60	61.98	61.98	107,292	107,292
Total	1,107.60	1,045.98	1,045.98	3,314,857	3,314,857

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

SDSU - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
NaturalGas Unmitigated	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6105.81	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6.10581	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

6.0 Area Detail

6.1 Mitigation Measures Area

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Unmitigated	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.5429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0291	0.2488	0.1059	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	317.6471	317.6471	6.0900e-003	5.8200e-003	319.5347
Landscaping	0.7375	0.2846	24.6640	1.3100e-003		0.1373	0.1373		0.1373	0.1373		44.5670	44.5670	0.0424		45.6277
Total	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.5429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0291	0.2488	0.1059	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	317.6471	317.6471	6.0900e-003	5.8200e-003	319.5347
Landscaping	0.7375	0.2846	24.6640	1.3100e-003		0.1373	0.1373		0.1373	0.1373		44.5670	44.5670	0.0424		45.6277
Total	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

SDSU - San Diego County, Winter

SDSU
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	300.00	Dwelling Unit	7.89	300,000.00	858
City Park	6.00	Acre	6.00	261,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - 60% RPS

Land Use -

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Grading - Construction analyzed separately.

Trips and VMT - Construction analyzed separately.

Architectural Coating - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Woodstoves - No wood-burning fireplaces or woodstoves.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use -

Water And Wastewater - Indoor water use includes 20% reduction.

Solid Waste - 75% waste diversion

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	202,500.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	607,500.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	20.00	0.00

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tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	8/13/2021	7/16/2021
tblConstructionPhase	PhaseEndDate	6/18/2021	4/24/2020
tblConstructionPhase	PhaseEndDate	2/28/2020	2/2/2020
tblConstructionPhase	PhaseEndDate	4/24/2020	3/13/2020
tblConstructionPhase	PhaseEndDate	7/16/2021	6/18/2021
tblConstructionPhase	PhaseEndDate	3/13/2020	2/28/2020
tblFireplaces	NumberGas	165.00	15.00
tblFireplaces	NumberNoFireplace	30.00	285.00
tblFireplaces	NumberWood	105.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSolidWaste	SolidWasteGenerationRate	138.00	69.00
tblSolidWaste	SolidWasteGenerationRate	0.52	0.26
tblTripsAndVMT	VendorTripNumber	75.00	0.00
tblTripsAndVMT	WorkerTripNumber	326.00	0.00
tblTripsAndVMT	WorkerTripNumber	65.00	0.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TL	7.50	8.35
tblVehicleTrips	HS_TL	7.30	8.35
tblVehicleTrips	HW_TL	10.80	8.35
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	6.39	3.28
tblVehicleTrips	ST_TR	22.75	10.33
tblVehicleTrips	SU_TR	5.86	3.28

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tblVehicleTrips	SU_TR	16.74	10.33
tblVehicleTrips	WD_TR	6.65	3.61
tblVehicleTrips	WD_TR	1.89	4.10
tblWater	IndoorWaterUseRate	19,546,207.69	15,636,966.00
tblWoodstoves	NumberCatalytic	15.00	0.00
tblWoodstoves	NumberNoncatalytic	15.00	0.00

2.0 Emissions Summary

SDSU - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Energy	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
Mobile	1.1059	5.1141	13.7462	0.0599	7.3807	0.0308	7.4114	1.9719	0.0286	2.0005		6,156.5506	6,156.5506	0.2998		6,164.0448
Total	9.9147	6.2102	38.7555	0.0664	7.3807	0.2337	7.6143	1.9719	0.2315	2.2033	0.0000	7,237.0957	7,237.0957	0.3621	0.0190	7,251.8069

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Energy	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
Mobile	1.1059	5.1141	13.7462	0.0599	7.3807	0.0308	7.4114	1.9719	0.0286	2.0005		6,156.5506	6,156.5506	0.2998		6,164.0448
Total	9.9147	6.2102	38.7555	0.0664	7.3807	0.2337	7.6143	1.9719	0.2315	2.2033	0.0000	7,237.0957	7,237.0957	0.3621	0.0190	7,251.8069

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	2/29/2020	2/28/2020	5	0	
3	Grading	Grading	3/14/2020	3/13/2020	5	0	
4	Building Construction	Building Construction	4/25/2020	4/24/2020	5	0	
5	Paving	Paving	6/19/2021	6/18/2021	5	0	
6	Architectural Coating	Architectural Coating	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1059	5.1141	13.7462	0.0599	7.3807	0.0308	7.4114	1.9719	0.0286	2.0005		6,156.5506	6,156.5506	0.2998		6,164.0448
Unmitigated	1.1059	5.1141	13.7462	0.0599	7.3807	0.0308	7.4114	1.9719	0.0286	2.0005		6,156.5506	6,156.5506	0.2998		6,164.0448

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,083.00	984.00	984.00	3,207,564	3,207,564
City Park	24.60	61.98	61.98	107,292	107,292
Total	1,107.60	1,045.98	1,045.98	3,314,857	3,314,857

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	8.35	8.35	8.35	41.60	18.80	39.60	100	0	0
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

SDSU - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
NaturalGas Unmitigated	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6105.81	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6.10581	0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0659	0.5627	0.2394	3.5900e-003		0.0455	0.0455		0.0455	0.0455		718.3310	718.3310	0.0138	0.0132	722.5997

6.0 Area Detail

6.1 Mitigation Measures Area

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624
Unmitigated	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.5429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0291	0.2488	0.1059	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	317.6471	317.6471	6.0900e-003	5.8200e-003	319.5347
Landscaping	0.7375	0.2846	24.6640	1.3100e-003		0.1373	0.1373		0.1373	0.1373		44.5670	44.5670	0.0424		45.6277
Total	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.5429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0291	0.2488	0.1059	1.5900e-003		0.0201	0.0201		0.0201	0.0201	0.0000	317.6471	317.6471	6.0900e-003	5.8200e-003	319.5347
Landscaping	0.7375	0.2846	24.6640	1.3100e-003		0.1373	0.1373		0.1373	0.1373		44.5670	44.5670	0.0424		45.6277
Total	8.7430	0.5334	24.7699	2.9000e-003		0.1574	0.1574		0.1574	0.1574	0.0000	362.2141	362.2141	0.0485	5.8200e-003	365.1624

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

SDSU - San Diego County, Winter

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU - San Diego County, Summer

SDSU
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	14.82	User Defined Unit	14.82	645,559.20	0
City Park	27.60	Acre	27.60	1,202,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

SDSU - San Diego County, Summer

Project Characteristics - 60% RPS

Land Use - Stadium-specific land use.

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1

Energy Use - Stadium-specific energy use.

Water And Wastewater - No reduction to indoor water use.

Solid Waste - 75% waste diversion.

Land Use Change -

Sequestration -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	55.00	0.00
tblConstructionPhase	NumDays	740.00	0.00
tblConstructionPhase	NumDays	50.00	0.00
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	55.00	0.00

SDSU - San Diego County, Summer

tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	PhaseEndDate	12/8/2023	9/22/2023
tblConstructionPhase	PhaseEndDate	7/7/2023	9/4/2020
tblConstructionPhase	PhaseEndDate	4/10/2020	2/2/2020
tblConstructionPhase	PhaseEndDate	9/4/2020	5/22/2020
tblConstructionPhase	PhaseEndDate	9/22/2023	7/7/2023
tblConstructionPhase	PhaseEndDate	5/22/2020	4/10/2020
tblEnergyUse	LightingElect	0.00	2.82
tblEnergyUse	NT24E	0.00	4.25
tblEnergyUse	NT24NG	0.00	4.03
tblEnergyUse	T24E	0.00	1.20
tblEnergyUse	T24NG	0.00	2.39
tblGrading	AcresOfGrading	0.00	187.50
tblLandUse	LandUseSquareFeet	0.00	645,559.20
tblLandUse	LotAcreage	0.00	14.82
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

SDSU - San Diego County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSequestration	NumberOfNewTrees	0.00	616.00
tblSolidWaste	SolidWasteGenerationRate	0.00	2,066.30
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	20.60
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00

SDSU - San Diego County, Summer

tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	0.00	1,288.73
tblWater	IndoorWaterUseRate	0.00	16,104,033.00
tblWater	OutdoorWaterUseRate	0.00	1,027,917.00

2.0 Emissions Summary

SDSU - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Energy	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Mobile	32.7222	136.8520	523.9231	2.4971	303.5532	1.1758	304.7290	81.0992	1.0937	82.1929		256,036.0561	256,036.0561	11.2263		256,316.7146
Total	49.1813	137.9651	524.8623	2.5038	303.5532	1.2604	304.8136	81.0992	1.1783	82.2775		257,371.7060	257,371.7060	11.2520	0.0245	257,660.3022

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Energy	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Mobile	32.7222	136.8520	523.9231	2.4971	303.5532	1.1758	304.7290	81.0992	1.0937	82.1929		256,036.0561	256,036.0561	11.2263		256,316.7146
Total	49.1813	137.9651	524.8623	2.5038	303.5532	1.2604	304.8136	81.0992	1.1783	82.2775		257,371.7060	257,371.7060	11.2520	0.0245	257,660.3022

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	4/11/2020	4/10/2020	5	0	
3	Grading	Grading	5/23/2020	5/22/2020	5	0	
4	Building Construction	Building Construction	9/5/2020	9/4/2020	5	0	
5	Paving	Paving	7/8/2023	7/7/2023	5	0	
6	Architectural Coating	Architectural Coating	9/23/2023	9/22/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,339; Non-Residential Outdoor: 322,780; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Summer

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.7222	136.8520	523.9231	2.4971	303.5532	1.1758	304.7290	81.0992	1.0937	82.1929		256,036.0561	256,036.0561	11.2263		256,316.7146
Unmitigated	32.7222	136.8520	523.9231	2.4971	303.5532	1.1758	304.7290	81.0992	1.0937	82.1929		256,036.0561	256,036.0561	11.2263		256,316.7146

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
User Defined Recreational	19,098.98	0.00	0.00	102,294,129	102,294,129
Total	19,098.98	0.00	0.00	102,294,129	102,294,129

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
User Defined Recreational	0.00	20.60	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
User Defined Recreational	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

SDSU - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
NaturalGas Unmitigated	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

SDSU - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	11352.9	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Total		0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	11.3529	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Total		0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

6.0 Area Detail

6.1 Mitigation Measures Area

SDSU - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Unmitigated	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4593					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8769					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Total	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

SDSU - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4593					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8769					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Total	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

SDSU - San Diego County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDSU - San Diego County, Winter

SDSU
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	14.82	User Defined Unit	14.82	645,559.20	0
City Park	27.60	Acre	27.60	1,202,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	362.86	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

SDSU - San Diego County, Winter

Project Characteristics - 60% RPS

Land Use - Stadium-specific land use.

Construction Phase - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Off-road Equipment - Construction analyzed separately.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1

Energy Use - Stadium-specific energy use.

Water And Wastewater - No reduction to indoor water use.

Solid Waste - 75% waste diversion.

Land Use Change -

Sequestration -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	55.00	0.00
tblConstructionPhase	NumDays	740.00	0.00
tblConstructionPhase	NumDays	50.00	0.00
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	55.00	0.00

SDSU - San Diego County, Winter

tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	PhaseEndDate	12/8/2023	9/22/2023
tblConstructionPhase	PhaseEndDate	7/7/2023	9/4/2020
tblConstructionPhase	PhaseEndDate	4/10/2020	2/2/2020
tblConstructionPhase	PhaseEndDate	9/4/2020	5/22/2020
tblConstructionPhase	PhaseEndDate	9/22/2023	7/7/2023
tblConstructionPhase	PhaseEndDate	5/22/2020	4/10/2020
tblEnergyUse	LightingElect	0.00	2.82
tblEnergyUse	NT24E	0.00	4.25
tblEnergyUse	NT24NG	0.00	4.03
tblEnergyUse	T24E	0.00	1.20
tblEnergyUse	T24NG	0.00	2.39
tblGrading	AcresOfGrading	0.00	187.50
tblLandUse	LandUseSquareFeet	0.00	645,559.20
tblLandUse	LotAcreage	0.00	14.82
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

SDSU - San Diego County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	362.86
tblSequestration	NumberOfNewTrees	0.00	616.00
tblSolidWaste	SolidWasteGenerationRate	0.00	2,066.30
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	CC_TL	7.30	8.35
tblVehicleTrips	CC_TL	7.30	20.60
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	8.35
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	8.35
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00

SDSU - San Diego County, Winter

tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	0.00	1,288.73
tblWater	IndoorWaterUseRate	0.00	16,104,033.00
tblWater	OutdoorWaterUseRate	0.00	1,027,917.00

2.0 Emissions Summary

SDSU - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Energy	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Mobile	31.9703	141.9606	494.3244	2.3781	303.5532	1.1771	304.7302	81.0992	1.0949	82.1941		244,092.1319	244,092.1319	11.1238		244,370.2273
Total	48.4294	143.0737	495.2637	2.3848	303.5532	1.2617	304.8148	81.0992	1.1795	82.2787		245,427.7819	245,427.7819	11.1494	0.0245	245,713.8149

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Energy	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Mobile	31.9703	141.9606	494.3244	2.3781	303.5532	1.1771	304.7302	81.0992	1.0949	82.1941		244,092.1319	244,092.1319	11.1238		244,370.2273
Total	48.4294	143.0737	495.2637	2.3848	303.5532	1.2617	304.8148	81.0992	1.1795	82.2787		245,427.7819	245,427.7819	11.1494	0.0245	245,713.8149

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/3/2020	2/2/2020	5	0	
2	Site Preparation	Site Preparation	4/11/2020	4/10/2020	5	0	
3	Grading	Grading	5/23/2020	5/22/2020	5	0	
4	Building Construction	Building Construction	9/5/2020	9/4/2020	5	0	
5	Paving	Paving	7/8/2023	7/7/2023	5	0	
6	Architectural Coating	Architectural Coating	9/23/2023	9/22/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,339; Non-Residential Outdoor: 322,780; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

SDSU - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

SDSU - San Diego County, Winter

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.9703	141.9606	494.3244	2.3781	303.5532	1.1771	304.7302	81.0992	1.0949	82.1941		244,092.1319	244,092.1319	11.1238		244,370.2273
Unmitigated	31.9703	141.9606	494.3244	2.3781	303.5532	1.1771	304.7302	81.0992	1.0949	82.1941		244,092.1319	244,092.1319	11.1238		244,370.2273

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
User Defined Recreational	19,098.98	0.00	0.00	102,294,129	102,294,129
Total	19,098.98	0.00	0.00	102,294,129	102,294,129

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	8.35	8.35	8.35	33.00	48.00	19.00	100	0	0
User Defined Recreational	0.00	20.60	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709
User Defined Recreational	0.617626	0.036451	0.176904	0.096837	0.011340	0.005282	0.018425	0.026503	0.001944	0.001632	0.005548	0.000800	0.000709

SDSU - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
NaturalGas Unmitigated	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

SDSU - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	11352.9	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Total		0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	11.3529	0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777
Total		0.1224	1.1130	0.9350	6.6800e-003		0.0846	0.0846		0.0846	0.0846		1,335.6407	1,335.6407	0.0256	0.0245	1,343.5777

6.0 Area Detail

6.1 Mitigation Measures Area

SDSU - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Unmitigated	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4593					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8769					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Total	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

SDSU - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.4593					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8769					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003
Total	16.3366	4.0000e-005	4.3100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.2800e-003	9.2800e-003	2.0000e-005		9.8800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

SDSU - San Diego County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDCCU Stadium - San Diego County, Summer

SDCCU Stadium
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	151.00	Acre	151.00	6,577,560.00	0
User Defined Recreational	15.00	User Defined Unit	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

SDCCU Stadium - San Diego County, Summer

Project Characteristics -

Land Use - Stadium-specific land use.

Construction Phase - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Trips and VMT - Construction not analyzed.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use - Stadium-specific energy use.

Water And Wastewater - Stadium-specific water use.

Solid Waste - Stadium-specific waste generation.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	220.00	0.00
tblConstructionPhase	NumDays	3,100.00	0.00
tblConstructionPhase	NumDays	200.00	0.00
tblConstructionPhase	NumDays	310.00	0.00
tblConstructionPhase	NumDays	220.00	0.00
tblConstructionPhase	NumDays	120.00	0.00

SDCCU Stadium - San Diego County, Summer

tblEnergyUse	LightingElect	0.00	1.22
tblEnergyUse	NT24E	0.00	1.84
tblEnergyUse	NT24NG	0.00	1.75
tblEnergyUse	T24E	0.00	0.52
tblEnergyUse	T24NG	0.00	1.04
tblGrading	AcresOfGrading	0.00	775.00
tblLandUse	LandUseSquareFeet	0.00	653,400.00
tblLandUse	LotAcreage	0.00	15.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

SDCCU Stadium - San Diego County, Summer

tblSolidWaste	SolidWasteGenerationRate	0.00	1,161.08
tblTripsAndVMT	VendorTripNumber	1,185.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,037.00	0.00
tblTripsAndVMT	WorkerTripNumber	607.00	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	WD_TR	0.00	6,493.18
tblWater	IndoorWaterUseRate	0.00	7,069,770.00
tblWater	OutdoorWaterUseRate	0.00	451,262.00

2.0 Emissions Summary

SDCCU Stadium - San Diego County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Energy	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Mobile	215.0673	848.5343	2,460.9171	7.1662	548.9890	8.1901	557.1791	146.7741	7.7198	154.4939		725,307.3373	725,307.3373	41.3252		726,340.4677
Total	235.1773	849.0231	2,461.3447	7.1691	548.9890	8.2273	557.2163	146.7741	7.7570	154.5311		725,893.7299	725,893.7299	41.3366	0.0108	726,930.3472

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Energy	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Mobile	215.0673	848.5343	2,460.9171	7.1662	548.9890	8.1901	557.1791	146.7741	7.7198	154.4939		725,307.3373	725,307.3373	41.3252		726,340.4677
Total	235.1773	849.0231	2,461.3447	7.1691	548.9890	8.2273	557.2163	146.7741	7.7570	154.5311		725,893.7299	725,893.7299	41.3366	0.0108	726,930.3472

SDCCU Stadium - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	12/30/2016	5	0	
2	Site Preparation	Site Preparation	10/7/2017	10/6/2017	5	0	
3	Grading	Grading	3/24/2018	3/23/2018	5	0	
4	Building Construction	Building Construction	6/1/2019	5/31/2019	5	0	
5	Paving	Paving	4/19/2031	4/18/2031	5	0	
6	Architectural Coating	Architectural Coating	2/21/2032	2/20/2032	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 151

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 980,100; Non-Residential Outdoor: 326,700; Striped Parking Area: 394,654 (Architectural Coating – sqft)

OffRoad Equipment

SDCCU Stadium - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

SDCCU Stadium - San Diego County, Summer

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDCCU Stadium - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	215.0673	848.5343	2,460.917 1	7.1662	548.9890	8.1901	557.1791	146.7741	7.7198	154.4939		725,307.3 373	725,307.3 373	41.3252		726,340.4 677
Unmitigated	215.0673	848.5343	2,460.917 1	7.1662	548.9890	8.1901	557.1791	146.7741	7.7198	154.4939		725,307.3 373	725,307.3 373	41.3252		726,340.4 677

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	97,397.70	0.00	0.00	184,860,835	184,860,835
Total	97,397.70	0.00	0.00	184,860,835	184,860,835

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Recreational	0.00	7.30	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
User Defined Recreational	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

SDCCU Stadium - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
NaturalGas Unmitigated	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

SDCCU Stadium - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4984.03	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Total		0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4.98403	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Total		0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

6.0 Area Detail

6.1 Mitigation Measures Area

SDCCU Stadium - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Unmitigated	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.7421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.3125					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Total	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

SDCCU Stadium - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.7421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.3125					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Total	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

SDCCU Stadium - San Diego County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

SDCCU Stadium - San Diego County, Winter

SDCCU Stadium
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	151.00	Acre	151.00	6,577,560.00	0
User Defined Recreational	15.00	User Defined Unit	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

SDCCU Stadium - San Diego County, Winter

Project Characteristics -

Land Use - Stadium-specific land use.

Construction Phase - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Off-road Equipment - Construction not analyzed.

Trips and VMT - Construction not analyzed.

Vehicle Trips - Project trip rates and lengths derived from traffic study conducted by Fehr & Peers.

Area Coating - VOC content in accordance with SDAPCD Rule 67.0.1.

Energy Use - Stadium-specific energy use.

Water And Wastewater - Stadium-specific water use.

Solid Waste - Stadium-specific waste generation.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblConstructionPhase	NumDays	220.00	0.00
tblConstructionPhase	NumDays	3,100.00	0.00
tblConstructionPhase	NumDays	200.00	0.00
tblConstructionPhase	NumDays	310.00	0.00
tblConstructionPhase	NumDays	220.00	0.00
tblConstructionPhase	NumDays	120.00	0.00

SDCCU Stadium - San Diego County, Winter

tblEnergyUse	LightingElect	0.00	1.22
tblEnergyUse	NT24E	0.00	1.84
tblEnergyUse	NT24NG	0.00	1.75
tblEnergyUse	T24E	0.00	0.52
tblEnergyUse	T24NG	0.00	1.04
tblGrading	AcresOfGrading	0.00	775.00
tblLandUse	LandUseSquareFeet	0.00	653,400.00
tblLandUse	LotAcreage	0.00	15.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

SDCCU Stadium - San Diego County, Winter

tblSolidWaste	SolidWasteGenerationRate	0.00	1,161.08
tblTripsAndVMT	VendorTripNumber	1,185.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,037.00	0.00
tblTripsAndVMT	WorkerTripNumber	607.00	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	WD_TR	0.00	6,493.18
tblWater	IndoorWaterUseRate	0.00	7,069,770.00
tblWater	OutdoorWaterUseRate	0.00	451,262.00

2.0 Emissions Summary

SDCCU Stadium - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Energy	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Mobile	210.4849	877.0157	2,440.5402	6.7911	548.9890	8.2616	557.2506	146.7741	7.7882	154.5623		687,538.7356	687,538.7356	41.4807		688,575.7524
Total	230.5949	877.5044	2,440.9678	6.7941	548.9890	8.2988	557.2878	146.7741	7.8254	154.5995		688,125.1281	688,125.1281	41.4920	0.0108	689,165.6319

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Energy	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Mobile	210.4849	877.0157	2,440.5402	6.7911	548.9890	8.2616	557.2506	146.7741	7.7882	154.5623		687,538.7356	687,538.7356	41.4807		688,575.7524
Total	230.5949	877.5044	2,440.9678	6.7941	548.9890	8.2988	557.2878	146.7741	7.8254	154.5995		688,125.1281	688,125.1281	41.4920	0.0108	689,165.6319

SDCCU Stadium - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	12/30/2016	5	0	
2	Site Preparation	Site Preparation	10/7/2017	10/6/2017	5	0	
3	Grading	Grading	3/24/2018	3/23/2018	5	0	
4	Building Construction	Building Construction	6/1/2019	5/31/2019	5	0	
5	Paving	Paving	4/19/2031	4/18/2031	5	0	
6	Architectural Coating	Architectural Coating	2/21/2032	2/20/2032	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 151

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 980,100; Non-Residential Outdoor: 326,700; Striped Parking Area: 394,654 (Architectural Coating – sqft)

OffRoad Equipment

SDCCU Stadium - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

SDCCU Stadium - San Diego County, Winter

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

SDCCU Stadium - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	210.4849	877.0157	2,440.5402	6.7911	548.9890	8.2616	557.2506	146.7741	7.7882	154.5623		687,538.7356	687,538.7356	41.4807		688,575.7524
Unmitigated	210.4849	877.0157	2,440.5402	6.7911	548.9890	8.2616	557.2506	146.7741	7.7882	154.5623		687,538.7356	687,538.7356	41.4807		688,575.7524

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	97,397.70	0.00	0.00	184,860,835	184,860,835
Total	97,397.70	0.00	0.00	184,860,835	184,860,835

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Recreational	0.00	7.30	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
User Defined Recreational	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

SDCCU Stadium - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
NaturalGas Unmitigated	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

SDCCU Stadium - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4984.03	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Total		0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	4.98403	0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406
Total		0.0538	0.4886	0.4105	2.9300e-003		0.0371	0.0371		0.0371	0.0371		586.3562	586.3562	0.0112	0.0108	589.8406

6.0 Area Detail

6.1 Mitigation Measures Area

SDCCU Stadium - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Unmitigated	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.7421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.3125					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Total	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

SDCCU Stadium - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.7421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.3125					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388
Total	20.0563	1.6000e-004	0.0172	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0388

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

SDCCU Stadium - San Diego County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX C
SUPPORTING CONSTRUCTION EMISSION
INVENTORY CALCULATIONS

List of Tables

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Table C-5j	Estimating Mitigated Maximum Daily Total PM2.5 Emission from Construction in 2020 to 2023

Table C-1a. Fugitive Dust Emissions from Grinding Operations

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Operation	Throughput (tons/day)	PM ₁₀	
		Emission Factor (lb/ton)	Daily (lb/day)
Hopper Loading ¹	2,750	1.60E-05	4.40E-02
Material Grinding ^{2,3}	2,750	5.40E-04	1.49
Conveyor Transfer ^{2,4}	2,750	1.00E-04	0.28
Conveyor Dropping ^{2,5}	2,750	1.77E-03	4.86

Daily Total (lbs/day): 6.67

Notes:

¹ Emission factor from Truck Unloading - Fragmented Stone.

² Controlled emission factors for material grinding, conveyor transfer, and material dropping from AP-42, Section 11.19.2 (Crushed Stone Processing and Pulverized Mineral Processing), Table 11.19.2-2. Available at: <https://www3.epa.gov/ttnchie1/ap42/ch11/final/c11s1902.pdf>. Accessed: April 2019.

³ Primary crushing emissions factor is not available. AP-42, Section 11.19.2, Table 11.19.2-2 (n) states that emission factors for tertiary crushers can be used as an upper limit for primary or secondary crushing.

⁴ Emission factor from Truck Loading - Conveyor, crushed stone.

⁵ Calculations in Table C-2.

Abbreviations:

lb - pound

PM₁₀ - particulate matter less than 10 microns in diameter

Table C-1b. Calculation for Fugitive Dust Emissions from Conveyor Drop

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Throughput Volume ¹ (tpd)	PM ₁₀ Emission Factor ² (lb/ton)	PM ₁₀ Emissions Uncontrolled per drop point (lb/day)
2,750	1.77E-03	4.86

Conversion Factors:

k _{PM10}	0.35 dimensionless
k _{PM2.5}	0.053 dimensionless
U	5.212 mph
M	1.5 %
	2000 lb/ton

Notes:

¹ Project-specific debris processing throughput.

² Emission factor formula from AP-42 13.2.4 Aggregate Handling and Storage Piles. Available at: <https://www3.epa.gov/ttnchie1/ap42/ch13/final/c13s0204.pdf>. Accessed: April 2019.

$$E = k(0.0032) * ((U/5)^{1.3} / (M/2)^{1.4}) \text{ lb/ton}$$

E = Emission factor

k = particle size multiplier (dimensionless). Varies with aerodynamic particle size range.

U = mean wind speed (mph). Wind speed obtained from mean of Kearny Villa 2014-2016 meteorological data.

Abbreviations:

AP-42 - United States Environmental Protection Agency's Compilation of Air Pollutant Emission Factors

EPA - Environmental Protection Agency

lbs - pounds

mph - miles per hour

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SDSU - San Diego State University

tpd - tons per day

Table C-2. On-Road Construction Trip Emission Factors (2020-2023)

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Vehicle Trip Type	Calendar Year	ROG	NOx	CO	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	Total PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}	Total PM _{2.5}	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
		lb/Trip Emission Factor ¹											MT/trip Emission Factor ¹		
2020															
Haul Trips	2020	8.12E-03	2.84E-01	6.75E-02	7.83E-04	1.75E-02	9.09E-04	1.84E-02	4.79E-03	8.69E-04	5.66E-03	3.86E-02	3.47E-06	0.00E+00	3.86E-02
Vendor Trips	2020	3.91E-03	1.14E-01	3.19E-02	2.74E-04	6.77E-03	5.62E-04	7.33E-03	1.95E-03	5.38E-04	2.49E-03	1.32E-02	1.01E-06	0.00E+00	1.32E-02
Worker Trips	2020	4.16E-03	2.78E-03	2.83E-02	8.46E-05	8.21E-03	5.80E-05	8.27E-03	2.18E-03	5.40E-05	2.23E-03	3.62E-03	1.09E-07	0.00E+00	3.63E-03
2021															
Haul Trips	2021	7.63E-03	2.61E-01	6.67E-02	7.71E-04	1.75E-02	7.99E-04	1.83E-02	4.79E-03	7.64E-04	5.55E-03	3.81E-02	3.44E-06	0.00E+00	3.82E-02
Vendor Trips	2021	3.19E-03	1.03E-01	2.89E-02	2.71E-04	6.77E-03	2.23E-04	6.99E-03	1.95E-03	2.13E-04	2.16E-03	1.31E-02	9.70E-07	0.00E+00	1.31E-02
Worker Trips	2021	3.92E-03	2.52E-03	2.65E-02	8.17E-05	8.21E-03	5.68E-05	8.27E-03	2.18E-03	5.23E-05	2.23E-03	3.50E-03	1.00E-07	0.00E+00	3.51E-03
2022															
Haul Trips	2022	7.16E-03	2.39E-01	6.61E-02	7.59E-04	1.75E-02	6.77E-04	1.82E-02	4.79E-03	6.48E-04	5.44E-03	3.76E-02	3.40E-06	0.00E+00	3.77E-02
Vendor Trips	2022	2.97E-03	9.70E-02	2.74E-02	2.68E-04	6.77E-03	1.92E-04	6.96E-03	1.95E-03	1.83E-04	2.13E-03	1.29E-02	9.40E-07	0.00E+00	1.30E-02
Worker Trips	2022	3.72E-03	2.30E-03	2.47E-02	7.87E-05	8.21E-03	5.60E-05	8.27E-03	2.18E-03	5.20E-05	2.23E-03	3.37E-03	9.20E-08	0.00E+00	3.38E-03
2023															
Haul Trips	2023	5.12E-03	1.64E-01	6.14E-02	7.31E-04	1.75E-02	3.09E-04	1.78E-02	4.79E-03	2.96E-04	5.08E-03	3.63E-02	3.25E-06	0.00E+00	3.64E-02
Vendor Trips	2023	2.29E-03	7.62E-02	2.47E-02	2.60E-04	6.77E-03	9.43E-05	6.86E-03	1.95E-03	9.01E-05	2.04E-03	1.26E-02	8.58E-07	0.00E+00	1.26E-02
Worker Trips	2023	3.53E-03	2.10E-03	2.29E-02	7.57E-05	8.21E-03	5.44E-05	8.27E-03	2.18E-03	5.01E-05	2.23E-03	3.25E-03	8.40E-08	0.00E+00	3.25E-03

Notes:

¹ Emission factors derived from CalEEMod®. CalEEMod® run can be referenced in Appendix B-3.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel	PM ₁₀ - particulate matter less than 10 microns in diameter
CO - carbon monoxide	PM _{2.5} - particulate matter less than 2.5 microns in diameter
lbs - pounds	ROG - reactive organic compounds
MT - metric tons	SO _x - sulfur oxide compounds
NO _x - nitrogen oxide compounds (NO + NO ₂)	VOC - volatile organic compounds
PM - particulate matter	

Table C-3a. Criteria Air Pollutant Emissions Associated with Implosion

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Daily Emissions Estimates (Implosion)				
NO_x	CO	SO_x	PM₁₀	PM_{2.5}
(lb/day)				
132.50	260.00	2.50	87.17	15.69

Abbreviations:

lb - pound

CO - carbon monoxide

NO_x - oxides of nitrogen

PM₁₀ - particulate matter less than 10 microns in diameter

PM_{2.5} - particulate matter less than 2.5 microns in diameter

SDSU - San Diego State University

SO_x - dioxides of sulfur

Table C-3b. Criteria Air Pollutant Emissions from Explosives Used for Implosion

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Pollutant	Emission Factor (lb pollutant/ton of explosive)¹	Emissions (lb/day)
NOx	53	132.50
CO	104	260.00
SOx	1	2.50

Quantity of Explosives (tons) ²	2.5
lb/ton	2,000
lb/MT	2204.62

Notes:

¹ Emission factor from AP-42 13.3 Explosives Detonation for Dynamite gelatin (20-100% Nitroglycerine). Available at: <https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s03.pdf>.

² The amount of explosives used in demolition was based data representative of implosion of similar stadiums.

Abbreviations:

AP-42 - United States Environmental Protection Agency's Compilation of Air Pollutant Emission Factors

CH₄ - methane

CO - carbon monoxide

lb - pound

MT - million tons

NOx - oxides of nitrogen

SOx - dioxides of sulfur

Table C-3c. Fugitive Emissions from Associated with Implosion

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Pollutant	Emission Factor (g/cubic foot of building imploded)¹	Emissions (g)	Emissions (lbs)
PM ₁₀	0.0013	39539.61	87.17
PM _{2.5}	0.0002	7117.13	15.69

Demolition Volume (yd ³) ²	1,126,485
Phase Duration (days)	129

Notes:

¹ PM₁₀ and PM_{2.5} emission factors Dust Control and Implosion Management Plan, Wheeler, K.; de Nevers, N. Block 76, 2007.

² Demolition volume estimated based on stadium geometry. See table C-3d for details.

Abbreviations:

g - gram

lb - pound

PM₁₀ - particulate matter less than 10 microns in diameterPM_{2.5} - particulate matter less than 2.5 microns in diameter

SDSU - San Diego State University

yd - yard

Table C-3d. Calculation of Building Volume for Implosion

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Volume Type	Volume (yd³)¹
Stadium Interior ²	1,373,901
Total Structure Volume (including Stadium Interior) ³	2,500,385
Total Building Volume ⁴	1,126,485

Notes:

¹ Volumes were estimated based on dimensions obtained from the following online sources:

- Google Earth aerial.
- Available at: <http://football.ballparks.com/NFL/SanDiegoChargers/index.htm>. Accessed: June, 2019.

² Stadium interior volume refers to the open space above the football field and audience seating. In order to calculate this volume, Ramboll assumed that this space would be similar to a truncated pyramid.

³ Total structure refers to the volume of the building and stadium interior. In order to calculate this volume, Ramboll assumed that it would be similar to a rectangular prism.

⁴ Building volume was calculated as the difference between the total structure volume and the stadium interior.

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	11.8	11.8	11.8	11.8	11.8
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.4	0.4	0.7	0.8	0.8
Vendor Trips				0.1	0.1	0.3	0.3	0.5
Haul Trips				3.4	3.4	3.4	0.0	0.2
Total Daily VOC Emissions (lb/day)³				15.7	15.7	16.2	12.9	13.2

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	11.8	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	7.7	7.7	7.7	7.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	14.4	14.4	14.4	14.4
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.1	1.2	0.9	0.9
Vendor Trips				0.5	0.5	0.5	0.3	0.3
Haul Trips				1.3	1.3	1.3	1.3	1.3
Total Daily VOC Emissions (lb/day)³				14.6	25.0	25.2	24.7	24.7

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.7	7.4	7.4	7.4	7.4
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	14.4	12.9	12.9	12.9	12.9
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.3	1.5	1.6	1.8	1.8
Vendor Trips				0.4	0.5	0.5	0.5	0.3
Haul Trips				1.3	1.2	1.2	1.2	1.2
Total Daily VOC Emissions (lb/day)³				25.1	23.5	23.6	23.8	23.7

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.4	7.4	7.4	7.4	7.4
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	12.9	12.9	12.9	12.9	12.9
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.3	1.3	1.2	1.1	1.1
Vendor Trips				0.3	0.3	0.3	0.3	0.3
Haul Trips				1.2	1.2	1.2	1.2	1.2
Total Daily VOC Emissions (lb/day)³				23.1	23.1	23.1	23.0	23.0

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.4	7.4	7.4	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	12.9	12.9	12.9	11.7	11.7
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	10.1	8.7	8.7
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	3.8	3.8
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	1.9	1.6	1.6
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	42.5	42.5
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.8	0.8	1.0	0.9
Vendor Trips				0.2	0.2	0.2	0.2	0.1
Haul Trips				1.2	1.2	1.2	0.0	0.0
Total Daily VOC Emissions (lb/day)³				22.6	22.6	34.5	69.5	69.3

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	11.7	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	8.7	8.7	8.7	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	11.3	11.3
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	3.8	3.8	3.8	3.8	3.8
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	1.6	1.6	1.6	1.6	1.6
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	42.5	42.5	42.5	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	84.0	84.0	84.0	84.0	84.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	34.1	34.1
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	1.0	1.0
Vendor Trips				0.2	0.2	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	1.1
Total Daily VOC Emissions (lb/day)³				153.5	141.8	141.7	136.0	137.1

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	11.3	11.3	11.3	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	3.8	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	1.6	1.6	1.6	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	84.0	84.0	84.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	34.1	34.1	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	6.3	6.3	6.3	6.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	10.1	10.1
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.9	0.9	0.5	0.5	0.5
Vendor Trips				0.1	0.1	0.0	0.0	0.0
Haul Trips				1.1	1.1	1.1	1.1	1.1
Total Daily VOC Emissions (lb/day)³				137.1	139.6	104.9	18.1	18.1

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	6.3	6.3	6.3	5.3	5.3
Grading Phase C	8/1/2022	12/31/2022	110	10.1	10.1	10.1	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.5	0.5	0.4	0.4
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				1.1	1.1	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				18.1	18.1	16.9	5.8	5.8

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	5.3	5.3	5.3	5.3	5.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.4	0.4	0.4	0.4	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				5.8	5.8	5.8	5.7	5.7

Table C-4a. Estimating Unmitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	5.3	5.3	5.3	5.3	5.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				5.7	5.7	5.7	5.7	5.7

Notes:

¹ Unmitigated emissions from off-road construction equipment and architectural coating during the construction phases was obtained from the CalEEMod® model output shown in Appendix B-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ For purposes of this analysis VOC emissions are assumed to be equal to ROG.

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	134.4	134.4	134.4	134.4	134.4
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.5	0.5	0.5
Vendor Trips				2.7	2.7	9.6	9.6	13.7
Haul Trips				119.5	119.5	119.5	0.0	5.7
Total Daily NOx Emissions (lb/day)				256.9	256.9	263.9	144.5	154.3

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	134.4	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	80.6	80.6	80.6	80.6
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	115.0	115.0	115.0	115.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.7	0.7	0.8	0.6	0.6
Vendor Trips				14.6	14.6	14.6	7.8	7.8
Haul Trips				45.5	45.5	45.5	45.5	45.5
Total Daily NOx Emissions (lb/day)				195.2	256.4	256.5	249.5	249.5

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	80.6	77.2	77.2	77.2	77.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	115.0	105.3	105.3	105.3	105.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.8	1.0	1.0	1.1	1.2
Vendor Trips				12.3	16.0	16.0	16.0	9.9
Haul Trips				45.5	41.8	41.8	41.8	41.8
Total Daily NOx Emissions (lb/day)				254.3	241.4	241.4	241.5	235.4

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	77.2	77.2	77.2	77.2	77.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	105.3	105.3	105.3	105.3	105.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.8	0.8	0.8	0.7	0.7
Vendor Trips				9.9	9.9	9.9	9.9	9.9
Haul Trips				41.8	41.8	41.8	41.8	41.8
Total Daily NOx Emissions (lb/day)				235.0	235.0	235.0	234.9	234.9

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	77.2	77.2	77.2	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	105.3	105.3	105.3	95.5	95.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	111.6	93.4	93.4
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	39.8	39.8
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	19.4	16.7	16.7
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	445.9	445.9
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³							260.0	
Worker Trips				0.5	0.5	0.5	0.6	0.5
Vendor Trips				7.8	7.8	7.8	7.4	3.5
Haul Trips				41.8	41.8	41.8	0.0	0.0
Total Daily NOx Emissions (lb/day)				232.7	232.7	363.6	959.3	695.3

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	95.5	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	93.4	93.4	93.4	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	121.8	121.8
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	39.8	39.8	39.8	39.8	39.8
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	16.7	16.7	16.7	16.7	16.7
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	445.9	445.9	445.9	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	11.3	11.3	11.3	11.3	11.3
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	358.0	358.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.6	0.6	0.6	0.6	0.6
Vendor Trips				5.4	5.4	3.5	3.5	3.5
Haul Trips				0.0	0.0	0.0	0.0	38.2
Total Daily NOx Emissions (lb/day)				708.6	613.1	611.2	551.6	589.8

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	121.8	121.8	121.8	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	39.8	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	16.7	16.7	16.7	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	11.3	11.3	11.3	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	358.0	358.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	66.2	66.2	66.2	66.2
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	110.9	110.9
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.6	0.6	0.3	0.3	0.3
Vendor Trips				3.5	3.5	1.6	1.6	1.6
Haul Trips				38.2	38.2	38.2	38.2	38.2
Total Daily NOx Emissions (lb/day)				589.8	616.2	255.9	217.1	217.1

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	66.2	66.2	66.2	55.0	55.0
Grading Phase C	8/1/2022	12/31/2022	110	110.9	110.9	110.9	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				1.6	1.6	1.6	1.2	1.2
Haul Trips				38.2	38.2	0.0	0.0	0.0
Total Daily NOx Emissions (lb/day)				217.1	217.1	178.9	56.5	56.5

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	55.0	55.0	55.0	55.0	55.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.3	0.2	0.2
Vendor Trips				1.2	1.2	1.2	0.6	0.6
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily NOx Emissions (lb/day)				56.5	56.5	56.5	55.9	55.9

Table C-4b. Estimating Unmitigated Maximum Daily NOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	55.0	55.0	55.0	55.0	55.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.2	0.2	0.2	0.2	0.2
Vendor Trips				0.6	0.6	0.6	0.6	0.6
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily NOx Emissions (lb/day)				55.9	55.9	55.9	55.9	55.9

Notes:

- ¹ Unmitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1.
- ² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.
- ³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	85.2	85.2	85.2	85.2	85.2
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.7	2.9	4.6	5.3	5.3
Vendor Trips				0.8	0.8	2.7	2.7	3.8
Haul Trips				28.4	28.4	28.4	0.0	1.4
Total Daily CO Emissions (lb/day)				117.1	117.3	120.9	93.2	95.7

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	85.2	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	38.5	38.5	38.5	38.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	100.2	100.2	100.2	100.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				7.0	7.5	8.4	6.5	6.5
Vendor Trips				4.1	4.1	4.1	2.2	2.2
Haul Trips				10.8	10.8	10.8	10.8	10.8
Total Daily CO Emissions (lb/day)				107.1	161.0	161.9	158.1	158.1

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	38.5	37.8	37.8	37.8	37.8
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	100.2	98.1	98.1	98.1	98.1
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				8.6	10.4	10.9	11.9	12.4
Vendor Trips				3.4	4.5	4.5	4.5	2.8
Haul Trips				10.8	10.7	10.7	10.7	10.7
Total Daily CO Emissions (lb/day)				161.5	161.5	162.0	163.0	161.8

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	37.8	37.8	37.8	37.8	37.8
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	98.1	98.1	98.1	98.1	98.1
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				8.9	8.9	8.4	7.7	7.7
Vendor Trips				2.8	2.8	2.8	2.8	2.8
Haul Trips				10.7	10.7	10.7	10.7	10.7
Total Daily CO Emissions (lb/day)				158.2	158.2	157.7	157.0	157.0

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	37.8	37.8	37.8	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	98.1	98.1	98.1	96.8	96.8
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	69.8	65.6	65.6
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	28.6	28.6
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	21.3	21.2	21.2
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	214.4	214.4
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³							2.5	
Worker Trips				5.6	5.6	5.1	6.7	5.7
Vendor Trips				2.2	2.2	2.2	2.1	1.0
Haul Trips				10.7	10.7	10.7	0.0	0.0
Total Daily CO Emissions (lb/day)				154.4	154.4	245.1	437.8	433.3

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	96.8	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	65.6	65.6	65.6	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	88.8	88.8
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	28.6	28.6	28.6	28.6	28.6
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	21.2	21.2	21.2	21.2	21.2
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	214.4	214.4	214.4	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	14.5	14.5	14.5	14.5	14.5
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	178.6	178.6
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				6.7	6.7	6.7	6.7	6.7
Vendor Trips				1.5	1.5	1.0	1.0	1.0
Haul Trips				0.0	0.0	0.0	0.0	10.6
Total Daily CO Emissions (lb/day)				449.3	352.5	352.0	339.4	350.0

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	88.8	88.8	88.8	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	28.6	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	21.2	21.2	21.2	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	14.5	14.5	14.5	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	178.6	178.6	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	39.4	39.4	39.4	39.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	73.0	73.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				6.2	6.2	3.1	3.1	3.1
Vendor Trips				1.0	1.0	0.4	0.4	0.4
Haul Trips				10.6	10.6	10.6	10.6	10.6
Total Daily CO Emissions (lb/day)				349.5	360.2	178.1	126.5	126.5

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	39.4	39.4	39.4	36.5	36.5
Grading Phase C	8/1/2022	12/31/2022	110	73.0	73.0	73.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				3.1	3.1	3.1	2.9	2.9
Vendor Trips				0.4	0.4	0.4	0.4	0.4
Haul Trips				10.6	10.6	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				126.5	126.5	116.0	39.8	39.8

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	36.5	36.5	36.5	36.5	36.5
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.8	2.8	2.8	2.5	2.1
Vendor Trips				0.4	0.4	0.4	0.2	0.2
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				39.7	39.7	39.7	39.2	38.8

Table C-4c. Estimating Unmitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	36.5	36.5	36.5	36.5	36.5
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.1	2.1	2.1	2.1	2.1
Vendor Trips				0.2	0.2	0.2	0.2	0.2
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				38.8	38.8	38.8	38.8	38.8

Notes:

- ¹ Unmitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1.
- ² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.
- ³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.17	0.17	0.17	0.17	0.17
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.02	0.02
Vendor Trips				0.01	0.01	0.02	0.02	0.03
Haul Trips				0.33	0.33	0.33	0.00	0.02
Total Daily SO_x Emissions (lb/day)				0.51	0.51	0.53	0.21	0.23

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.17	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.04	0.04	0.04	0.02	0.02
Haul Trips				0.13	0.13	0.13	0.13	0.13
Total Daily SO_x Emissions (lb/day)				0.35	0.42	0.42	0.40	0.40

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.03	0.03	0.03	0.04	0.04
Vendor Trips				0.03	0.04	0.04	0.04	0.03
Haul Trips				0.13	0.12	0.12	0.12	0.12
Total Daily SO_x Emissions (lb/day)				0.41	0.43	0.43	0.44	0.42

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.03	0.03	0.03	0.02	0.02
Vendor Trips				0.03	0.03	0.03	0.03	0.03
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily SO_x Emissions (lb/day)				0.41	0.41	0.41	0.41	0.41

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.14	0.14	0.14
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.05	0.05
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.03	0.03	0.03
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.64	0.64
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³							87.17	
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.01
Haul Trips				0.12	0.12	0.12	0.00	0.00
Total Daily SO_x Emissions (lb/day)				0.40	0.40	0.57	88.24	1.06

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.14	0.14	0.14	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.19	0.19
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.05	0.05	0.05	0.05	0.05
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.03	0.03	0.03	0.03	0.03
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.64	0.64	0.64	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.02	0.02	0.02	0.02	0.02
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.56	0.56
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.12
Total Daily SO_x Emissions (lb/day)				1.09	0.93	0.92	0.89	1.01

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.19	0.19	0.19	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.05	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.03	0.03	0.03	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.02	0.02	0.02	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.56	0.56	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.17	0.17
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily SO_x Emissions (lb/day)				1.01	1.03	0.46	0.38	0.38

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.17	0.17	0.17	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.12	0.12	0.00	0.00	0.00
Total Daily SO_x Emissions (lb/day)				0.38	0.38	0.26	0.09	0.09

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily SO_x Emissions (lb/day)				0.09	0.09	0.09	0.09	0.09

Table C-4d. Estimating Unmitigated Maximum Daily SO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily SO_x Emissions (lb/day)				0.09	0.09	0.09	0.09	0.09

Notes:

- ¹ Unmitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1.
- ² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.
- ³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.9	0.9	0.9	0.9	0.9
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.05	0.05	0.07
Haul Trips				0.38	0.38	0.38	0.00	0.02
Total Daily Fugitive PM₁₀ Emissions (lb/day)				1.26	1.26	1.30	0.92	0.96

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.9	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.6	0.6	0.6	0.6
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	6.4	6.4	6.4	6.4
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.02	0.02	0.01	0.01
Vendor Trips				0.07	0.07	0.07	0.04	0.04
Haul Trips				0.15	0.15	0.15	0.15	0.15
Total Daily Fugitive PM₁₀ Emissions (lb/day)				1.09	7.24	7.25	7.21	7.21

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.6	0.6	0.6	0.6	0.6
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	6.4	5.5	5.5	5.5	5.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.03	0.03
Vendor Trips				0.06	0.03	0.03	0.03	0.02
Haul Trips				0.15	0.13	0.13	0.13	0.13
Total Daily Fugitive PM₁₀ Emissions (lb/day)				7.24	6.26	6.26	6.26	6.25

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.6	0.6	0.6	0.6	0.6
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.5	5.5	5.5	5.5	5.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.13	0.13	0.13	0.13	0.13
Total Daily Fugitive PM₁₀ Emissions (lb/day)				6.24	6.24	6.24	6.24	6.24

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.6	0.6	0.6	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.5	5.5	5.5	4.7	4.7
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.7	0.6	0.6
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.3	0.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	1.0	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	14.8	14.8
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.02	0.01
Vendor Trips				0.02	0.02	0.02	0.01	0.01
Haul Trips				0.13	0.13	0.13	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				6.23	6.23	7.99	21.23	21.22

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.7	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.6	0.6	0.6	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.8	0.8
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.3	0.3	0.3	0.3	0.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	14.8	14.8	14.8	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.7	0.7
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	10.6	10.6
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.11
Total Daily Fugitive PM₁₀ Emissions (lb/day)				21.88	17.19	17.19	13.19	13.29

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.8	0.8	0.8	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.3	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	10.6	10.6	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.5	0.5	0.5	0.5
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.7	0.7
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.11	0.11	0.11	0.11	0.11
Total Daily Fugitive PM₁₀ Emissions (lb/day)				13.29	13.48	2.88	1.28	1.28

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.5	0.5	0.5	0.4	0.4
Grading Phase C	8/1/2022	12/31/2022	110	0.7	0.7	0.7	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.11	0.11	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				1.28	1.28	1.17	0.39	0.39

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.4	0.4	0.4	0.4	0.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				0.39	0.39	0.39	0.39	0.39

Table C-4e. Estimating Unmitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.4	0.4	0.4	0.4	0.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				0.39	0.39	0.39	0.39	0.39

Notes:

¹ Unmitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	6.6	6.6	6.6	6.6	6.6
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.80	0.85	1.35	1.54	1.54
Vendor Trips				0.16	0.16	0.57	0.57	0.81
Haul Trips				7.34	7.34	7.34	0.00	0.35
Total Daily Fugitive PM₁₀ Emissions (lb/day)				14.91	14.96	15.87	8.72	9.31

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	6.6	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	16.3	16.3	16.3	16.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.02	2.18	2.42	1.87	1.87
Vendor Trips				0.87	0.87	0.87	0.46	0.46
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				12.30	22.10	22.35	21.39	21.39

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.3	16.3	16.3	16.3	16.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.50	3.22	3.38	3.69	3.84
Vendor Trips				0.73	1.06	1.06	1.06	0.65
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				22.28	23.33	23.49	23.80	23.55

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.3	16.3	16.3	16.3	16.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.75	2.75	2.60	2.37	2.37
Vendor Trips				0.65	0.65	0.65	0.65	0.65
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				22.46	22.46	22.30	22.08	22.08

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.3	16.3	16.3	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	9.3	9.3	9.3
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	8.1	8.1
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	27.9	27.9
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129				6.7	6.7
Implosion Emissions ⁴							15.7	
Worker Trips				1.75	1.75	1.59	2.22	1.91
Vendor Trips				0.51	0.51	0.51	0.51	0.24
Haul Trips				2.80	2.80	2.80	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				21.32	21.32	30.49	70.49	54.22

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	9.3	9.3	9.3	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	9.3	9.3
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	8.1	8.1	8.1	8.1	8.1
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	27.9	27.9	27.9	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	38.8	38.8
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	6.7	6.7	6.7	6.7	6.7
Implosion Emissions ⁴								
Worker Trips				2.22	2.22	2.22	2.22	2.22
Vendor Trips				0.38	0.38	0.24	0.24	0.24
Haul Trips				0.00	0.00	0.00	0.00	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				54.67	54.67	54.53	65.40	68.20

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	9.3	9.3	9.3	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	8.1	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	38.8	38.8	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	16.3	16.3	16.3	16.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	9.3	9.3
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	6.7	6.7			
Implosion Emissions ⁴								
Worker Trips				2.06	2.06	1.04	1.04	1.04
Vendor Trips				0.24	0.24	0.11	0.11	0.11
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				68.04	76.17	29.52	29.52	29.52

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.3	16.3	16.3	16.3	16.3
Grading Phase C	8/1/2022	12/31/2022	110	9.3	9.3	9.3	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				1.04	1.04	1.04	1.04	1.04
Vendor Trips				0.11	0.11	0.11	0.11	0.11
Haul Trips				2.80	2.80	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				29.52	29.52	26.73	17.40	17.40

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.3	16.3	16.3	16.3	16.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				1.00	1.00	1.00	0.91	0.76
Vendor Trips				0.11	0.11	0.11	0.05	0.05
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				17.37	17.37	17.37	17.23	17.07

Table C-4f. Estimating Unmitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.3	16.3	16.3	16.3	16.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.76	0.76	0.76	0.76	0.76
Vendor Trips				0.05	0.05	0.05	0.05	0.05
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				17.07	17.07	17.07	17.07	17.07

Notes:

¹ Unmitigated fugitive dust emissions construction phases was obtained from the CalEEMod model output shown in Appendix B-1.A 55% reduction was applied to the outputs from CalEEMod in accordance with the Rule 55 which requires the site to be watered twice daily.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Fugitive emissions associated with crushing and processing activities were obtained from Table C-1a.

⁴ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	7.5	7.5	7.5	7.5	7.5
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.9	1.4	1.5	1.5
Vendor Trips				0.2	0.2	0.6	0.6	0.9
Haul Trips				7.7	7.7	7.7	0.0	0.4
Total Daily PM₁₀ Emissions (lb/day)				16.2	16.2	17.2	9.6	10.3

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	7.5	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	16.9	16.9	16.9	16.9
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	6.4	6.4	6.4	6.4
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.0	2.2	2.4	1.9	1.9
Vendor Trips				0.9	0.9	0.9	0.5	0.5
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				13.4	29.3	29.6	28.6	28.6

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.9	16.8	16.8	16.8	16.8
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	6.4	5.5	5.5	5.5	5.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.5	3.2	3.4	3.7	3.9
Vendor Trips				0.8	1.1	1.1	1.1	0.7
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				29.5	29.6	29.7	30.1	29.8

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.8	16.8	16.8	16.8	16.8
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.5	5.5	5.5	5.5	5.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.8	2.8	2.6	2.4	2.4
Vendor Trips				0.7	0.7	0.7	0.7	0.7
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				28.7	28.7	28.5	28.3	28.3

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	16.8	16.8	16.8	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.5	5.5	5.5	4.7	4.7
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	10.0	9.9	9.9
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	8.4	8.4
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	1.0	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	42.7	42.7
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	6.7	6.7
Implosion Emissions				0.0	0.0	0.0	15.7	0.0
Worker Trips				1.8	1.8	1.6	2.2	1.9
Vendor Trips				0.5	0.5	0.5	0.5	0.3
Haul Trips				2.9	2.9	2.9	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				27.6	27.6	38.5	91.7	75.4

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.7	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	9.9	9.9	9.9	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	10.1	10.1
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	8.4	8.4	8.4	8.4	8.4
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	42.7	42.7	42.7	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.7	0.7
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	49.4	49.4
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				6.7	6.7	6.7	6.7	6.7
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.2	2.2	2.2	2.2	2.2
Vendor Trips				0.4	0.4	0.3	0.3	0.3
Haul Trips				0.0	0.0	0.0	0.0	2.9
Total Daily PM₁₀ Emissions (lb/day)				76.5	71.9	71.7	78.6	81.5

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	10.1	10.1	10.1	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	8.4	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	49.4	49.4	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	16.7	16.7	16.7	16.7
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	10.0	10.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				6.7	6.7	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.1	2.1	1.0	1.0	1.0
Vendor Trips				0.3	0.3	0.1	0.1	0.1
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				81.3	89.7	32.4	30.8	30.8

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.7	16.7	16.7	16.6	16.6
Grading Phase C	8/1/2022	12/31/2022	110	10.0	10.0	10.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	1.0	1.0
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				2.9	2.9	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				30.8	30.8	27.9	17.8	17.8

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.6	16.6	16.6	16.6	16.6
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	0.9	0.8
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				17.8	17.8	17.8	17.6	17.5

Table C-4g. Estimating Unmitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	16.6	16.6	16.6	16.6	16.6
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.8	0.8	0.8	0.8
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				17.5	17.5	17.5	17.5	17.5

Notes:

¹ Total PM₁₀ emissions are a sum of the exhaust PM₁₀ and fugitive PM₁₀ emissions shown in Table C-4e and Table C-4f respectively.

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.8	0.8	0.8	0.8	0.8
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.05	0.05	0.06
Haul Trips				0.37	0.37	0.37	0.00	0.02
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				1.17	1.17	1.21	0.85	0.88

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.8	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.6	0.6	0.6	0.6
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	6.1	6.1	6.1	6.1
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.02	0.01	0.01
Vendor Trips				0.07	0.07	0.07	0.04	0.04
Haul Trips				0.14	0.14	0.14	0.14	0.14
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				1.01	6.88	6.88	6.84	6.84

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.6	0.5	0.5	0.5	0.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	6.1	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.06	0.03	0.03	0.03	0.02
Haul Trips				0.14	0.12	0.12	0.12	0.12
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				6.87	5.94	5.94	5.94	5.93

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.5	0.5	0.5	0.5	0.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				5.92	5.92	5.92	5.92	5.92

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.5	0.5	0.5	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.2	5.2	4.5	4.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.7	0.5	0.5
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.3	0.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	1.0	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	14.2	14.2
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.02	0.02	0.02	0.01	0.01
Haul Trips				0.12	0.12	0.12	0.00	0.00
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				5.91	5.91	7.53	20.26	20.25

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.5	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.5	0.5	0.5	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.7	0.7
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.3	0.3	0.3	0.3	0.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	14.2	14.2	14.2	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.7	0.7
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	10.3	10.3
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.10
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				20.91	16.45	16.45	12.76	12.87

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.7	0.7	0.7	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.3	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	10.3	10.3	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.4	0.4	0.4	0.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.6	0.6
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.10	0.10	0.10	0.10	0.10
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				12.86	13.04	2.71	1.18	1.18

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.4	0.4	0.4	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.6	0.6	0.6	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.10	0.10	0.00	0.00	0.00
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				1.18	1.18	1.08	0.36	0.36

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.00
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				0.36	0.36	0.36	0.36	0.35

Table C-4h. Estimating Unmitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.00	0.00	0.00	0.00	0.00
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM_{2.5} Emissions (lb/day)				0.35	0.35	0.35	0.35	0.35

Notes:

¹ Unmitigated emissions from off-road construction equipment during the construction phase obtained from the CalEEMod model output shown in Appendix B-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the numt from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.1	3.1	3.1	3.1	3.1
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.21	0.22	0.36	0.41	0.41
Vendor Trips				0.05	0.05	0.16	0.16	0.23
Haul Trips				2.01	2.01	2.01	0.00	0.10
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				5.38	5.39	5.64	3.68	3.85

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.1	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	8.9	8.9	8.9	8.9
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.54	0.58	0.64	0.50	0.50
Vendor Trips				0.25	0.25	0.25	0.13	0.13
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				4.66	10.53	10.60	10.33	10.33

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.9	8.9	8.9	8.9	8.9
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.66	0.85	0.90	0.98	1.02
Vendor Trips				0.21	0.30	0.30	0.30	0.19
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				10.58	10.86	10.90	10.99	10.91

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.9	8.9	8.9	8.9	8.9
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.73	0.73	0.69	0.63	0.63
Vendor Trips				0.19	0.19	0.19	0.19	0.19
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				10.62	10.62	10.58	10.52	10.52

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.9	8.9	8.9	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	4.6	4.6	4.6
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	4.5	4.5
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	4.2	4.2
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129				1.4	1.4
Implosion Emissions ⁴							0.0	
Worker Trips				0.46	0.46	0.42	0.59	0.51
Vendor Trips				0.15	0.15	0.15	0.15	0.07
Haul Trips				0.77	0.77	0.77	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				10.32	10.32	14.87	15.44	15.27

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	4.6	4.6	4.6	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	4.6	4.6
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.5	4.5	4.5	4.5	4.5
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	4.2	4.2	4.2	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	5.9	5.9
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	1.4	1.4	1.4	1.4	1.4
Implosion Emissions ⁴								
Worker Trips				0.59	0.59	0.59	0.59	0.59
Vendor Trips				0.11	0.11	0.07	0.07	0.07
Haul Trips				0.00	0.00	0.00	0.00	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				15.40	15.40	15.36	17.00	17.77

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	4.6	4.6	4.6	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.5	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	5.9	5.9	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	8.9	8.9	8.9	8.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	4.6	4.6
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	1.4	1.4			
Implosion Emissions ⁴								
Worker Trips				0.55	0.55	0.27	0.27	0.27
Vendor Trips				0.07	0.07	0.03	0.03	0.03
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				17.73	22.20	14.61	14.61	14.61

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.9	8.9	8.9	8.9	8.9
Grading Phase C	8/1/2022	12/31/2022	110	4.6	4.6	4.6	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.27	0.27	0.27	0.27	0.27
Vendor Trips				0.03	0.03	0.03	0.03	0.03
Haul Trips				0.77	0.77	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				14.61	14.61	13.84	9.24	9.24

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.9	8.9	8.9	8.9	8.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.27	0.27	0.27	0.24	0.20
Vendor Trips				0.03	0.03	0.03	0.02	0.02
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				9.23	9.23	9.23	9.20	9.15

Table C-4i. Estimating Unmitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.9	8.9	8.9	8.9	8.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.20	0.20	0.20	0.20	0.20
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				9.15	9.15	9.15	9.15	9.15

Notes:

¹ Unmitigated fugitive dust emissions construction phases was obtained from the CalEEMod model output shown in Appendix B-1.A 55% reduction was applied to the outputs from CalEEMod in accordance with the Rule 55 which requires the site to be watered twice daily.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Fugitive emissions associated with crushing and processing activities were obtained from Table C-1a.

⁴ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.9	3.9	3.9	3.9	3.9
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.2	0.2	0.4	0.4	0.4
Vendor Trips				0.1	0.1	0.2	0.2	0.3
Haul Trips				2.4	2.4	2.4	0.0	0.1
Total Daily PM_{2.5} Emissions (lb/day)				6.6	6.6	6.9	4.5	4.7

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.9	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	9.5	9.5	9.5	9.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	6.1	6.1	6.1	6.1
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.6	0.7	0.5	0.5
Vendor Trips				0.3	0.3	0.3	0.2	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				5.7	17.4	17.5	17.2	17.2

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	9.5	9.5	9.5	9.5	9.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	6.1	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.7	0.9	0.9	1.0	1.0
Vendor Trips				0.3	0.3	0.3	0.3	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				17.4	16.8	16.8	16.9	16.8

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	9.5	9.5	9.5	9.5	9.5
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.7	0.7	0.7	0.6	0.6
Vendor Trips				0.2	0.2	0.2	0.2	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				16.5	16.5	16.5	16.4	16.4

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	9.5	9.5	9.5	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.2	5.2	4.5	4.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	5.3	5.1	5.1
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	4.7	4.7
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	1.0	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	18.4	18.4
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	1.4	1.4
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.5	0.4	0.6	0.5
Vendor Trips				0.2	0.2	0.2	0.2	0.1
Haul Trips				0.9	0.9	0.9	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				16.2	16.2	22.4	35.7	35.5

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.5	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	5.1	5.1	5.1	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	5.3	5.3
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.7	4.7	4.7	4.7	4.7
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	18.4	18.4	18.4	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.7	0.7
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	16.2	16.2
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				1.4	1.4	1.4	1.4	1.4
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.6	0.6	0.6	0.6	0.6
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.9
Total Daily PM_{2.5} Emissions (lb/day)				36.3	31.8	31.8	29.8	30.6

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	5.3	5.3	5.3	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.7	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.7	0.7	0.7	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	16.2	16.2	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	9.4	9.4	9.4	9.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	5.2	5.2
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				1.4	1.4	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.6	0.6	0.3	0.3	0.3
Vendor Trips				0.1	0.1	0.0	0.0	0.0
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				30.6	35.2	17.3	15.8	15.8

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	9.4	9.4	9.4	9.3	9.3
Grading Phase C	8/1/2022	12/31/2022	110	5.2	5.2	5.2	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.9	0.9	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				15.8	15.8	14.9	9.6	9.6

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	9.3	9.3	9.3	9.3	9.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.2	0.2
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				9.6	9.6	9.6	9.6	9.5

Table C-4j. Estimating Unmitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	9.3	9.3	9.3	9.3	9.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.2	0.2	0.2	0.2	0.2
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				9.5	9.5	9.5	9.5	9.5

Notes:

¹ Total PM_{2.5} emissions are a sum of the exhaust PM_{2.5} and fugitive PM_{2.5} emissions shown in Table C-4h and Table C-4i respectively.

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	4.1	4.1	4.1	4.1	4.1
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.4	0.4	0.7	0.8	0.8
Vendor Trips				0.1	0.1	0.3	0.3	0.5
Haul Trips				3.4	3.4	3.4	0.0	0.2
Total Daily VOC Emissions (lb/day)³				8.0	8.0	8.5	5.2	5.5

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	4.1	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	1.7	1.7	1.7	1.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	8.3	8.3	8.3	8.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.1	1.2	0.9	0.9
Vendor Trips				0.5	0.5	0.5	0.3	0.3
Haul Trips				1.3	1.3	1.3	1.3	1.3
Total Daily VOC Emissions (lb/day)³				6.9	12.9	13.1	12.5	12.5

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	1.7	1.7	1.7	1.7	1.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	8.3	7.7	7.7	7.7	7.7
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.3	1.5	1.6	1.8	1.8
Vendor Trips				0.4	0.5	0.5	0.5	0.3
Haul Trips				1.3	1.2	1.2	1.2	1.2
Total Daily VOC Emissions (lb/day)³				13.0	12.7	12.7	12.9	12.8

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	1.7	1.7	1.7	1.7	1.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	7.7	7.7	7.7	7.7	7.7
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.3	1.3	1.2	1.1	1.1
Vendor Trips				0.3	0.3	0.3	0.3	0.3
Haul Trips				1.2	1.2	1.2	1.2	1.2
Total Daily VOC Emissions (lb/day)³				12.2	12.2	12.2	12.1	12.1

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	1.7	1.7	1.7	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	7.7	7.7	7.7	7.3	7.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	3.5	3.5	3.5
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	1.2	1.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.8	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	15.3	15.3
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.8	0.8	1.0	0.9
Vendor Trips				0.2	0.2	0.2	0.2	0.1
Haul Trips				1.2	1.2	1.2	0.0	0.0
Total Daily VOC Emissions (lb/day)³				11.7	11.7	15.9	29.3	29.1

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	7.3	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	3.5	3.5	3.5	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	4.7	4.7
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	1.2	1.2	1.2	1.2	1.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	15.3	15.3	15.3	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	82.8	82.8	82.8	82.8	82.8
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	13.2	13.2
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	1.0	1.0
Vendor Trips				0.2	0.2	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	1.1
Total Daily VOC Emissions (lb/day)³				112.1	104.8	104.7	103.9	105.0

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	4.7	4.7	4.7	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	1.2	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	82.8	82.8	82.8	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	13.2	13.2	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	1.9	1.9	1.9	1.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	4.1	4.1
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.9	0.9	0.5	0.5	0.5
Vendor Trips				0.1	0.1	0.0	0.0	0.0
Haul Trips				1.1	1.1	1.1	1.1	1.1
Total Daily VOC Emissions (lb/day)³				105.0	105.6	91.9	7.6	7.6

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	1.9	1.9	1.9	1.9	1.9
Grading Phase C	8/1/2022	12/31/2022	110	4.1	4.1	4.1	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.5	0.5	0.4	0.4
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				1.1	1.1	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				7.6	7.6	6.4	2.3	2.3

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	1.9	1.9	1.9	1.9	1.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.4	0.4	0.4	0.4	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				2.3	2.3	2.3	2.3	2.2

Table C-5a. Estimating Mitigated Maximum Daily VOC Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	1.9	1.9	1.9	1.9	1.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily VOC Emissions (lb/day)³				2.2	2.2	2.2	2.2	2.2

Notes:

¹ Mitigated emissions from off-road construction equipment and architectural coating during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ For purposes of this analysis VOC emissions are assumed to be equal to ROG.

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	81.0	81.0	81.0	81.0	81.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.5	0.5	0.5
Vendor Trips				2.7	2.7	9.6	9.6	13.7
Haul Trips				119.5	119.5	119.5	0.0	5.7
Total Daily NO_x Emissions (lb/day)				203.5	203.5	210.5	91.1	100.9

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	81.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	34.7	34.7	34.7	34.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	87.3	87.3	87.3	87.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.7	0.7	0.8	0.6	0.6
Vendor Trips				14.6	14.6	14.6	7.8	7.8
Haul Trips				45.5	45.5	45.5	45.5	45.5
Total Daily NO_x Emissions (lb/day)				141.8	182.8	182.9	175.8	175.8

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	34.7	34.7	34.7	34.7	34.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	87.3	86.3	86.3	86.3	86.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.8	1.0	1.0	1.1	1.2
Vendor Trips				12.3	16.0	16.0	16.0	9.9
Haul Trips				45.5	41.8	41.8	41.8	41.8
Total Daily NO_x Emissions (lb/day)				180.6	179.7	179.8	179.9	173.8

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	34.7	34.7	34.7	34.7	34.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	86.3	86.3	86.3	86.3	86.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.8	0.8	0.8	0.7	0.7
Vendor Trips				9.9	9.9	9.9	9.9	9.9
Haul Trips				41.8	41.8	41.8	41.8	41.8
Total Daily NO_x Emissions (lb/day)				173.4	173.4	173.4	173.3	173.3

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	34.7	34.7	34.7	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	86.3	86.3	86.3	85.5	85.5
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	68.9	68.9	68.9
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	26.0	26.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	16.5	16.5	16.5
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	299.7	299.7
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³							260.0	
Worker Trips				0.5	0.5	0.5	0.6	0.5
Vendor Trips				7.8	7.8	7.8	7.4	3.5
Haul Trips				41.8	41.8	41.8	0.0	0.0
Total Daily NO_x Emissions (lb/day)				171.1	171.1	256.4	764.6	500.6

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	85.5	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	68.9	68.9	68.9	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	93.1	93.1
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	26.0	26.0	26.0	26.0	26.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	16.5	16.5	16.5	16.5	16.5
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	299.7	299.7	299.7	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	10.9	10.9	10.9	10.9	10.9
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	259.3	259.3
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.6	0.6	0.6	0.6	0.6
Vendor Trips				5.4	5.4	3.5	3.5	3.5
Haul Trips				0.0	0.0	0.0	0.0	38.2
Total Daily NO_x Emissions (lb/day)				513.5	427.9	426.0	409.8	448.0

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	93.1	93.1	93.1	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	26.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	16.5	16.5	16.5	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	10.9	10.9	10.9	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	259.3	259.3	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	38.1	38.1	38.1	38.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	80.0	80.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.6	0.6	0.3	0.3	0.3
Vendor Trips				3.5	3.5	1.6	1.6	1.6
Haul Trips				38.2	38.2	38.2	38.2	38.2
Total Daily NO_x Emissions (lb/day)				447.9	460.1	198.6	158.2	158.2

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	38.1	38.1	38.1	38.1	38.1
Grading Phase C	8/1/2022	12/31/2022	110	80.0	80.0	80.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				1.6	1.6	1.6	1.2	1.2
Haul Trips				38.2	38.2	0.0	0.0	0.0
Total Daily NO_x Emissions (lb/day)				158.2	158.2	120.0	39.6	39.6

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	38.1	38.1	38.1	38.1	38.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.3	0.3	0.3	0.2	0.2
Vendor Trips				1.2	1.2	1.2	0.6	0.6
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily NO_x Emissions (lb/day)				39.6	39.6	39.6	39.0	38.9

Table C-5b. Estimating Mitigated Maximum Daily NO_x Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	38.1	38.1	38.1	38.1	38.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				0.2	0.2	0.2	0.2	0.2
Vendor Trips				0.6	0.6	0.6	0.6	0.6
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily NO_x Emissions (lb/day)				38.9	38.9	38.9	38.9	38.9

Notes:

¹ Mitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	97.8	97.8	97.8	97.8	97.8
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.7	2.9	4.6	5.3	5.3
Vendor Trips				0.8	0.8	2.7	2.7	3.8
Haul Trips				28.4	28.4	28.4	0.0	1.4
Total Daily CO Emissions (lb/day)				129.7	129.8	133.5	105.8	108.3

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	97.8	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	41.2	41.2	41.2	41.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	108.4	108.4	108.4	108.4
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				7.0	7.5	8.4	6.5	6.5
Vendor Trips				4.1	4.1	4.1	2.2	2.2
Haul Trips				10.8	10.8	10.8	10.8	10.8
Total Daily CO Emissions (lb/day)				119.7	172.0	172.9	169.1	169.1

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	41.2	41.2	41.2	41.2	41.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	108.4	107.6	107.6	107.6	107.6
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				8.6	10.4	10.9	11.9	12.4
Vendor Trips				3.4	4.5	4.5	4.5	2.8
Haul Trips				10.8	10.7	10.7	10.7	10.7
Total Daily CO Emissions (lb/day)				172.5	174.4	174.9	175.9	174.7

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	41.2	41.2	41.2	41.2	41.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	107.6	107.6	107.6	107.6	107.6
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				8.9	8.9	8.4	7.7	7.7
Vendor Trips				2.8	2.8	2.8	2.8	2.8
Haul Trips				10.7	10.7	10.7	10.7	10.7
Total Daily CO Emissions (lb/day)				171.2	171.2	170.7	170.0	170.0

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	41.2	41.2	41.2	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	107.6	107.6	107.6	107.3	107.3
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	83.8	83.8	83.8
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	32.3	32.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	24.8	24.8	24.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	354.1	354.1
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³							2.5	
Worker Trips				5.6	5.6	5.1	6.7	5.7
Vendor Trips				2.2	2.2	2.2	2.1	1.0
Haul Trips				10.7	10.7	10.7	0.0	0.0
Total Daily CO Emissions (lb/day)				167.4	167.4	275.5	613.5	609.0

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	107.3	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	83.8	83.8	83.8	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	113.7	113.7
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	32.3	32.3	32.3	32.3	32.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	24.8	24.8	24.8	24.8	24.8
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	354.1	354.1	354.1	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	14.7	14.7	14.7	14.7	14.7
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	308.8	308.8
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				6.7	6.7	6.7	6.7	6.7
Vendor Trips				1.5	1.5	1.0	1.0	1.0
Haul Trips				0.0	0.0	0.0	0.0	10.6
Total Daily CO Emissions (lb/day)				625.2	517.9	517.4	501.9	512.5

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	113.7	113.7	113.7	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	32.3	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	24.8	24.8	24.8	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	14.7	14.7	14.7	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	308.8	308.8	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	45.9	45.9	45.9	45.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	96.7	96.7
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				6.2	6.2	3.1	3.1	3.1
Vendor Trips				1.0	1.0	0.4	0.4	0.4
Haul Trips				10.6	10.6	10.6	10.6	10.6
Total Daily CO Emissions (lb/day)				512.0	525.6	213.2	156.8	156.8

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	45.9	45.9	45.9	45.9	45.9
Grading Phase C	8/1/2022	12/31/2022	110	96.7	96.7	96.7	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				3.1	3.1	3.1	2.9	2.9
Vendor Trips				0.4	0.4	0.4	0.4	0.4
Haul Trips				10.6	10.6	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				156.8	156.8	146.2	49.2	49.2

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	45.9	45.9	45.9	45.9	45.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.8	2.8	2.8	2.5	2.1
Vendor Trips				0.4	0.4	0.4	0.2	0.2
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				49.1	49.1	49.1	48.7	48.2

Table C-5c. Estimating Mitigated Maximum Daily CO Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	45.9	45.9	45.9	45.9	45.9
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Implosion Emissions ³								
Worker Trips				2.1	2.1	2.1	2.1	2.1
Vendor Trips				0.2	0.2	0.2	0.2	0.2
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily CO Emissions (lb/day)				48.2	48.2	48.2	48.2	48.2

Notes:

¹ Mitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.17	0.17	0.17	0.17	0.17
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.02	0.02
Vendor Trips				0.01	0.01	0.02	0.02	0.03
Haul Trips				0.33	0.33	0.33	0.00	0.02
Total Daily SOx Emissions (lb/day)				0.51	0.51	0.53	0.21	0.23

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.17	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.04	0.04	0.04	0.02	0.02
Haul Trips				0.13	0.13	0.13	0.13	0.13
Total Daily SOx Emissions (lb/day)				0.35	0.42	0.42	0.40	0.40

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.03	0.03	0.03	0.04	0.04
Vendor Trips				0.03	0.04	0.04	0.04	0.03
Haul Trips				0.13	0.12	0.12	0.12	0.12
Total Daily SOx Emissions (lb/day)				0.41	0.43	0.43	0.44	0.42

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.07	0.07
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.03	0.03	0.03	0.02	0.02
Vendor Trips				0.03	0.03	0.03	0.03	0.03
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily SOx Emissions (lb/day)				0.41	0.41	0.41	0.41	0.41

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.07	0.07	0.07	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.16	0.16	0.16	0.16
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.14	0.14	0.14
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.05	0.05
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.03	0.03	0.03
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.64	0.64
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³							87.17	
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.01
Haul Trips				0.12	0.12	0.12	0.00	0.00
Total Daily SOx Emissions (lb/day)				0.40	0.40	0.57	88.24	1.06

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.16	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.14	0.14	0.14	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.19	0.19
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.05	0.05	0.05	0.05	0.05
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.03	0.03	0.03	0.03	0.03
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.64	0.64	0.64	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.02	0.02	0.02	0.02	0.02
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.56	0.56
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.00	0.00	0.00	0.00
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.12
Total Daily SOx Emissions (lb/day)				1.09	0.93	0.92	0.89	1.01

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.19	0.19	0.19	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.05	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.03	0.03	0.03	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.02	0.02	0.02	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.56	0.56	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.00	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.17	0.17
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.02	0.02	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily SOx Emissions (lb/day)				1.01	1.03	0.46	0.38	0.38

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.17	0.17	0.17	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.12	0.12	0.00	0.00	0.00
Total Daily SOx Emissions (lb/day)				0.38	0.38	0.26	0.09	0.09

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily SOx Emissions (lb/day)				0.09	0.09	0.09	0.09	0.09

Table C-5d. Estimating Mitigated Maximum Daily SOx Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.00	0.00	0.00	0.00	0.00
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.00	0.00	0.00	0.00	0.00
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.00	0.00	0.00	0.00	0.00
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.00	0.00	0.00	0.00	0.00
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.00	0.00	0.00	0.00	0.00
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.00	0.00	0.00	0.00	0.00
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.00	0.00	0.00	0.00	0.00
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.00	0.00	0.00	0.00	0.00
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.08	0.08	0.08	0.08	0.08
Grading Phase C	8/1/2022	12/31/2022	110	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.00	0.00	0.00	0.00	0.00
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.00	0.00	0.00	0.00	0.00
Paving Phase C1	10/1/2027	8/14/2028	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C2	10/2/2031	8/15/2032	227	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.00	0.00	0.00	0.00	0.00
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.00	0.00	0.00	0.00	0.00
Paving Phase C3	10/2/2035	8/14/2036	228	0.00	0.00	0.00	0.00	0.00
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.00	0.00	0.00	0.00	0.00
Implosion Emissions ³								
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily SOx Emissions (lb/day)				0.09	0.09	0.09	0.09	0.09

Notes:

¹ Mitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.5	0.5	0.5	0.5	0.5
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.05	0.05	0.07
Haul Trips				0.38	0.38	0.38	0.00	0.02
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.93	0.93	0.96	0.58	0.62

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.5	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.02	0.02	0.01	0.01
Vendor Trips				0.07	0.07	0.07	0.04	0.04
Haul Trips				0.15	0.15	0.15	0.15	0.15
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.76	5.70	5.70	5.66	5.66

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.03	0.03
Vendor Trips				0.06	0.03	0.03	0.03	0.02
Haul Trips				0.15	0.13	0.13	0.13	0.13
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.69	5.44	5.44	5.45	5.43

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.13	0.13	0.13	0.13	0.13
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.43	5.43	5.43	5.42	5.42

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	4.8	4.8
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.4	0.4	0.4
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.2	0.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	12.5	12.5
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.02	0.01
Vendor Trips				0.02	0.02	0.02	0.01	0.01
Haul Trips				0.13	0.13	0.13	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.42	5.42	6.79	19.00	18.99

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.8	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.4	0.4	0.4	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.6	0.6
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.2	0.2	0.2	0.2	0.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	12.5	12.5	12.5	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	11.0	11.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.11
Total Daily Exhaust PM₁₀ Emissions (lb/day)				19.76	14.91	14.91	13.53	13.64

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.6	0.6	0.6	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.2	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	11.0	11.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.5	0.5
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.11	0.11	0.11	0.11	0.11
Total Daily Exhaust PM₁₀ Emissions (lb/day)				13.64	13.71	2.69	0.92	0.92

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.5	0.5	0.5	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.11	0.11	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.92	0.92	0.81	0.29	0.29

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.29	0.29	0.29	0.29	0.29

Table C-5e. Estimating Mitigated Maximum Daily Exhaust PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.29	0.29	0.29	0.29	0.29

Notes:

¹ Mitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	5.7	5.7	5.7	5.7	5.7
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.80	0.85	1.35	1.54	1.54
Vendor Trips				0.16	0.16	0.57	0.57	0.81
Haul Trips				7.34	7.34	7.34	0.00	0.35
Total Daily Fugitive PM₁₀ Emissions (lb/day)				14.03	14.08	14.99	7.84	8.43

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	5.7	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	14.1	14.1	14.1	14.1
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.02	2.18	2.42	1.87	1.87
Vendor Trips				0.87	0.87	0.87	0.46	0.46
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				11.41	19.93	20.18	19.22	19.22

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.1	14.1	14.1	14.1	14.1
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.50	3.22	3.38	3.69	3.84
Vendor Trips				0.73	1.06	1.06	1.06	0.65
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				20.12	21.16	21.32	21.63	21.38

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.1	14.1	14.1	14.1	14.1
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				2.75	2.75	2.60	2.37	2.37
Vendor Trips				0.65	0.65	0.65	0.65	0.65
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				20.29	20.29	20.13	19.91	19.91

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.1	14.1	14.1	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	8.1	8.1	8.1
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	7.0	7.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	24.2	24.2
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129				6.7	6.7
Implosion Emissions ⁴							15.7	
Worker Trips				1.75	1.75	1.59	2.22	1.91
Vendor Trips				0.51	0.51	0.51	0.51	0.24
Haul Trips				2.80	2.80	2.80	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				19.15	19.15	27.08	64.44	48.16

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	8.1	8.1	8.1	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	8.1	8.1
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	7.0	7.0	7.0	7.0	7.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	24.2	24.2	24.2	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	33.6	33.6
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	6.7	6.7	6.7	6.7	6.7
Implosion Emissions ⁴								
Worker Trips				2.22	2.22	2.22	2.22	2.22
Vendor Trips				0.38	0.38	0.24	0.24	0.24
Haul Trips				0.00	0.00	0.00	0.00	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				48.61	48.61	48.48	57.90	60.69

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	8.1	8.1	8.1	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	7.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	33.6	33.6	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	14.1	14.1	14.1	14.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	8.1	8.1
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	6.7	6.7			
Implosion Emissions ⁴								
Worker Trips				2.06	2.06	1.04	1.04	1.04
Vendor Trips				0.24	0.24	0.11	0.11	0.11
Haul Trips				2.80	2.80	2.80	2.80	2.80
Total Daily Fugitive PM₁₀ Emissions (lb/day)				60.54	67.58	26.11	26.11	26.11

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.1	14.1	14.1	14.1	14.1
Grading Phase C	8/1/2022	12/31/2022	110	8.1	8.1	8.1	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				1.04	1.04	1.04	1.04	1.04
Vendor Trips				0.11	0.11	0.11	0.11	0.11
Haul Trips				2.80	2.80	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				26.11	26.11	23.31	15.24	15.24

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.1	14.1	14.1	14.1	14.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				1.00	1.00	1.00	0.91	0.76
Vendor Trips				0.11	0.11	0.11	0.05	0.05
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				15.20	15.20	15.20	15.06	14.90

Table C-5f. Estimating Mitigated Maximum Daily Fugitive PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.1	14.1	14.1	14.1	14.1
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.76	0.76	0.76	0.76	0.76
Vendor Trips				0.05	0.05	0.05	0.05	0.05
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM₁₀ Emissions (lb/day)				14.90	14.90	14.90	14.90	14.90

Notes:

¹ Mitigated fugitive dust emissions construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Fugitive emissions associated with crushing and processing activities were obtained from Table C-1a.

⁴ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	6.3	6.3	6.3	6.3	6.3
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.9	1.4	1.5	1.5
Vendor Trips				0.2	0.2	0.6	0.6	0.9
Haul Trips				7.7	7.7	7.7	0.0	0.4
Total Daily PM₁₀ Emissions (lb/day)				15.0	15.0	16.0	8.4	9.1

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	6.3	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	14.3	14.3	14.3	14.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.0	2.2	2.4	1.9	1.9
Vendor Trips				0.9	0.9	0.9	0.5	0.5
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				12.2	25.6	25.9	24.9	24.9

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.3	14.3	14.3	14.3	14.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.5	3.2	3.4	3.7	3.9
Vendor Trips				0.8	1.1	1.1	1.1	0.7
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				25.8	26.6	26.8	27.1	26.8

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.3	14.3	14.3	14.3	14.3
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.8	2.8	2.6	2.4	2.4
Vendor Trips				0.7	0.7	0.7	0.7	0.7
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				25.7	25.7	25.6	25.3	25.3

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	14.3	14.3	14.3	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	4.8	4.8
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	8.5	8.5	8.5
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	7.3	7.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	36.8	36.8
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	6.7	6.7
Implosion Emissions				0.0	0.0	0.0	15.7	0.0
Worker Trips				1.8	1.8	1.6	2.2	1.9
Vendor Trips				0.5	0.5	0.5	0.5	0.3
Haul Trips				2.9	2.9	2.9	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				24.6	24.6	33.9	83.4	67.2

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.8	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	8.5	8.5	8.5	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	8.7	8.7
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	7.3	7.3	7.3	7.3	7.3
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	36.8	36.8	36.8	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	44.6	44.6
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				6.7	6.7	6.7	6.7	6.7
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.2	2.2	2.2	2.2	2.2
Vendor Trips				0.4	0.4	0.3	0.3	0.3
Haul Trips				0.0	0.0	0.0	0.0	2.9
Total Daily PM₁₀ Emissions (lb/day)				68.4	63.5	63.4	71.4	74.3

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	8.7	8.7	8.7	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	7.3	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	44.6	44.6	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	14.4	14.4	14.4	14.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	8.6	8.6
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				6.7	6.7	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				2.1	2.1	1.0	1.0	1.0
Vendor Trips				0.3	0.3	0.1	0.1	0.1
Haul Trips				2.9	2.9	2.9	2.9	2.9
Total Daily PM₁₀ Emissions (lb/day)				74.2	81.3	28.8	27.0	27.0

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.4	14.4	14.4	14.4	14.4
Grading Phase C	8/1/2022	12/31/2022	110	8.6	8.6	8.6	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	1.0	1.0
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				2.9	2.9	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				27.0	27.0	24.1	15.5	15.5

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.4	14.4	14.4	14.4	14.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				1.0	1.0	1.0	0.9	0.8
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				15.5	15.5	15.5	15.3	15.2

Table C-5g. Estimating Mitigated Maximum Daily Total PM₁₀ Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	14.4	14.4	14.4	14.4	14.4
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.8	0.8	0.8	0.8	0.8
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM₁₀ Emissions (lb/day)				15.2	15.2	15.2	15.2	15.2

Notes:

¹ Total PM₁₀ emissions are a sum of the exhaust PM₁₀ and fugitive PM₁₀ emissions shown in Table C-5e and Table C-5f respectively.

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.5	0.5	0.5	0.5	0.5
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.05	0.05	0.06
Haul Trips				0.37	0.37	0.37	0.00	0.02
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.91	0.91	0.95	0.58	0.62

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	0.5	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.02	0.01	0.01
Vendor Trips				0.07	0.07	0.07	0.04	0.04
Haul Trips				0.14	0.14	0.14	0.14	0.14
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.75	5.69	5.69	5.65	5.65

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.06	0.03	0.03	0.03	0.02
Haul Trips				0.14	0.12	0.12	0.12	0.12
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.68	5.43	5.44	5.44	5.43

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.2	0.2
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.02	0.02	0.02	0.02	0.02
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.12	0.12	0.12	0.12	0.12
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.42	5.42	5.42	5.42	5.42

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.2	0.2	0.2	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	4.8	4.8
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.4	0.4	0.4
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.2	0.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	12.5	12.5
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.02	0.02	0.02	0.01	0.01
Haul Trips				0.12	0.12	0.12	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				5.41	5.41	6.78	19.00	18.99

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.8	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.4	0.4	0.4	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.6	0.6
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.2	0.2	0.2	0.2	0.2
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	12.5	12.5	12.5	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	11.0	11.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.01	0.01	0.01
Haul Trips				0.00	0.00	0.00	0.00	0.10
Total Daily Exhaust PM₁₀ Emissions (lb/day)				19.76	14.91	14.91	13.53	13.63

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.6	0.6	0.6	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.2	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	11.0	11.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.5	0.5
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.01	0.01	0.00	0.00	0.00
Haul Trips				0.10	0.10	0.10	0.10	0.10
Total Daily Exhaust PM₁₀ Emissions (lb/day)				13.63	13.70	2.68	0.92	0.92

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.5	0.5	0.5	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.01
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.10	0.10	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.92	0.92	0.81	0.29	0.29

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.01	0.01	0.01	0.01	0.00
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.29	0.29	0.29	0.29	0.29

Table C-5h. Estimating Mitigated Maximum Daily Exhaust PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.3	0.3	0.3	0.3	0.3
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Worker Trips				0.00	0.00	0.00	0.00	0.00
Vendor Trips				0.00	0.00	0.00	0.00	0.00
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Exhaust PM₁₀ Emissions (lb/day)				0.29	0.29	0.29	0.29	0.29

Notes:

¹ Mitigated emissions from off-road construction equipment during the construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	2.7	2.7	2.7	2.7	2.7
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.21	0.22	0.36	0.41	0.41
Vendor Trips				0.05	0.05	0.16	0.16	0.23
Haul Trips				2.01	2.01	2.01	0.00	0.10
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				4.96	4.98	5.23	3.26	3.43

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	2.7	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	7.7	7.7	7.7	7.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.54	0.58	0.64	0.50	0.50
Vendor Trips				0.25	0.25	0.25	0.13	0.13
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				4.25	9.34	9.40	9.14	9.14

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.7	7.7	7.7	7.7	7.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.66	0.85	0.90	0.98	1.02
Vendor Trips				0.21	0.30	0.30	0.30	0.19
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				9.38	9.67	9.71	9.79	9.72

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.7	7.7	7.7	7.7	7.7
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.73	0.73	0.69	0.63	0.63
Vendor Trips				0.19	0.19	0.19	0.19	0.19
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				9.43	9.43	9.39	9.33	9.33

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	7.7	7.7	7.7	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	4.0	4.0	4.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	3.9	3.9
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	3.7	3.7
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129				1.4	1.4
Implosion Emissions ⁴							0.0	
Worker Trips				0.46	0.46	0.42	0.59	0.51
Vendor Trips				0.15	0.15	0.15	0.15	0.07
Haul Trips				0.77	0.77	0.77	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				9.12	9.12	13.07	13.66	13.50

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	4.0	4.0	4.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	4.0	4.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	3.9	3.9	3.9	3.9	3.9
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	3.7	3.7	3.7	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	5.1	5.1
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	1.4	1.4	1.4	1.4	1.4
Implosion Emissions ⁴								
Worker Trips				0.59	0.59	0.59	0.59	0.59
Vendor Trips				0.11	0.11	0.07	0.07	0.07
Haul Trips				0.00	0.00	0.00	0.00	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				13.62	13.62	13.58	15.01	15.78

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	4.0	4.0	4.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	3.9	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	5.1	5.1	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	7.7	7.7	7.7	7.7
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	4.0	4.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129	1.4	1.4			
Implosion Emissions ⁴								
Worker Trips				0.55	0.55	0.27	0.27	0.27
Vendor Trips				0.07	0.07	0.03	0.03	0.03
Haul Trips				0.77	0.77	0.77	0.77	0.77
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				15.74	19.61	12.80	12.80	12.80

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	7.7	7.7	7.7	7.7	7.7
Grading Phase C	8/1/2022	12/31/2022	110	4.0	4.0	4.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.27	0.27	0.27	0.27	0.27
Vendor Trips				0.03	0.03	0.03	0.03	0.03
Haul Trips				0.77	0.77	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				12.80	12.80	12.04	8.05	8.05

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	7.7	7.7	7.7	7.7	7.7
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.27	0.27	0.27	0.24	0.20
Vendor Trips				0.03	0.03	0.03	0.02	0.02
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				8.04	8.04	8.04	8.00	7.96

Table C-5i. Estimating Mitigated Maximum Daily Fugitive PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type ^{1,2}	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	7.7	7.7	7.7	7.7	7.7
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions ³	1/1/2022	6/30/2022	129					
Implosion Emissions ⁴								
Worker Trips				0.20	0.20	0.20	0.20	0.20
Vendor Trips				0.02	0.02	0.02	0.02	0.02
Haul Trips				0.00	0.00	0.00	0.00	0.00
Total Daily Fugitive PM_{2.5} Emissions (lb/day)				7.96	7.96	7.96	7.96	7.96

Notes:

¹ Mitigated fugitive dust emissions construction phases was obtained from the CalEEMod model output shown in Appendix B-1. The emissions reflect reductions associated with MM-AQ-1.

² Emissions associated with worker, vendor, and haul trips was estimates using the number of trip from Table 4-1c in the main report and emissions factors in Table C-2 in Appendix C.

³ Fugitive emissions associated with crushing and processing activities were obtained from Table C-1a.

⁴ Emissions associated with implosion were obtained from Table C-3a. Implosion was assumed to be a one-time event that occurs during the first month of demolition January 2022.

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
				2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020
				2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.2	3.2	3.2	3.2	3.2
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.2	0.2	0.4	0.4	0.4
Vendor Trips				0.1	0.1	0.2	0.2	0.3
Haul Trips				2.4	2.4	2.4	0.0	0.1
Total Daily PM_{2.5} Emissions (lb/day)				5.9	5.9	6.2	3.8	4.0

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020
				7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020
				7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020
Grading Phase A	2/1/2020	7/31/2020	130	3.2	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	8.0	8.0	8.0	8.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	5.2	5.2	5.2	5.2
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.6	0.7	0.5	0.5
Vendor Trips				0.3	0.3	0.3	0.2	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				5.0	15.0	15.1	14.8	14.8

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021
				12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021
				12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.0	8.0	8.0	8.0	8.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.2	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.7	0.9	0.9	1.0	1.0
Vendor Trips				0.3	0.3	0.3	0.3	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				15.1	15.1	15.1	15.2	15.1

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021
				5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021
				5/31/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.0	8.0	8.0	8.0	8.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	5.0	5.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.7	0.7	0.7	0.6	0.6
Vendor Trips				0.2	0.2	0.2	0.2	0.2
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				14.8	14.8	14.8	14.7	14.7

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
				10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022
				10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	8.0	8.0	8.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	5.0	5.0	5.0	4.8	4.8
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	4.4	4.4	4.4
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	4.1	4.1
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	16.2	16.2
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	1.4	1.4
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.5	0.5	0.4	0.6	0.5
Vendor Trips				0.2	0.2	0.2	0.2	0.1
Haul Trips				0.9	0.9	0.9	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				14.5	14.5	19.8	32.7	32.5

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2022		Apr-2022		May-2022
				3/1/2022	3/2/2022	4/1/2022	4/16/2022	5/1/2022
				3/1/2022	3/31/2022	4/15/2022	4/30/2022	5/31/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	4.8	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	4.4	4.4	4.4	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	4.6	4.6
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.1	4.1	4.1	4.1	4.1
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.9	0.9
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	16.2	16.2	16.2	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.8	0.8
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	16.1	16.1
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	0.0	0.0	0.0	0.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				1.4	1.4	1.4	1.4	1.4
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.6	0.6	0.6	0.6	0.6
Vendor Trips				0.1	0.1	0.1	0.1	0.1
Haul Trips				0.0	0.0	0.0	0.0	0.9
Total Daily PM_{2.5} Emissions (lb/day)				33.4	28.5	28.5	28.5	29.4

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Jun-2022		Jul-2022	Aug-2022	Sep-2022
				6/1/2022	6/15/2022	7/1/2022	8/1/2022	9/1/2022
				6/14/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	4.6	4.6	4.6	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	4.1	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.9	0.9	0.9	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.8	0.8	0.8	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	16.1	16.1	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	0.0	8.0	8.0	8.0	8.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	4.5	4.5
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				1.4	1.4	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.6	0.6	0.3	0.3	0.3
Vendor Trips				0.1	0.1	0.0	0.0	0.0
Haul Trips				0.9	0.9	0.9	0.9	0.9
Total Daily PM_{2.5} Emissions (lb/day)				29.4	33.3	15.5	13.7	13.7

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
				10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023
				10/31/2022	11/30/2022	12/31/2022	1/31/2023	2/28/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.0	8.0	8.0	8.0	8.0
Grading Phase C	8/1/2022	12/31/2022	110	4.5	4.5	4.5	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.3	0.3
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.9	0.9	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				13.7	13.7	12.9	8.3	8.3

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023
				3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023
				3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.0	8.0	8.0	8.0	8.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.3	0.3	0.3	0.2	0.2
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				8.3	8.3	8.3	8.3	8.3

Table C-5j. Estimating Mitigated Maximum Daily Total PM_{2.5} Emission from Construction in 2020 to 2023

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Construction Phase/Vehicle Trip Type	Start Date	End Date	Phase Duration (days)	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023
				8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023
				8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023
Grading Phase A	2/1/2020	7/31/2020	130	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase A	8/1/2020	12/31/2021	370	0.0	0.0	0.0	0.0	0.0
Building Construction Stadium (Phase A)	8/1/2020	3/1/2022	412	0.0	0.0	0.0	0.0	0.0
Grading Phase A (cont'd)	12/1/2021	4/15/2022	98	0.0	0.0	0.0	0.0	0.0
Grading Phase B (Rough Residential Pad & Initial River Park)	4/16/2022	7/31/2022	75	0.0	0.0	0.0	0.0	0.0
Site Preparation Phase B (utilities)	1/1/2022	6/14/2022	117	0.0	0.0	0.0	0.0	0.0
Paving Stadium (Phase A)	12/1/2021	7/31/2022	173	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase A)	1/1/2022	4/15/2022	75	0.0	0.0	0.0	0.0	0.0
Architectural Coating Stadium (Phase A)	3/1/2022	7/31/2022	109	0.0	0.0	0.0	0.0	0.0
Demolition of SDCCU (Phase B)	4/16/2022	6/30/2022	54	0.0	0.0	0.0	0.0	0.0
Finish Phase B (Finish Residential Pad and River Park)	6/15/2022	6/30/2024	533	8.0	8.0	8.0	8.0	8.0
Grading Phase C	8/1/2022	12/31/2022	110	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C1	7/1/2024	9/30/2027	849	0.0	0.0	0.0	0.0	0.0
Site Preparation - Off-Site Improvements	7/1/2025	1/7/2026	137	0.0	0.0	0.0	0.0	0.0
Paving Phase C1	10/1/2027	8/14/2028	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C1	8/17/2028	6/30/2029	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C2	7/1/2028	10/1/2031	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C2	10/2/2031	8/15/2032	227	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C2	8/18/2032	6/30/2033	227	0.0	0.0	0.0	0.0	0.0
Building Construction Phase C3	7/1/2032	10/1/2035	848	0.0	0.0	0.0	0.0	0.0
Paving Phase C3	10/2/2035	8/14/2036	228	0.0	0.0	0.0	0.0	0.0
Architectural Coating Phase C3	8/15/2036	6/30/2037	228	0.0	0.0	0.0	0.0	0.0
Crushing & Processing Equipment Emissions				0.0	0.0	0.0	0.0	0.0
Implosion Emissions				0.0	0.0	0.0	0.0	0.0
Worker Trips				0.2	0.2	0.2	0.2	0.2
Vendor Trips				0.0	0.0	0.0	0.0	0.0
Haul Trips				0.0	0.0	0.0	0.0	0.0
Total Daily PM_{2.5} Emissions (lb/day)				8.3	8.3	8.3	8.3	8.3

Notes:

¹ Total PM_{2.5} emissions are a sum of the exhaust PM_{2.5} and fugitive PM_{2.5} emissions shown in Table C-5h and Table C-5i respectively.

APPENDIX D

LIST OF AIR DISPERSION MODELING FILES

This appendix is provided in electronic format

APPENDIX E HEALTH RISK RESULTS

List of Tables

Table E-1	Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors
Table E-2	Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0001	488,865	3,628,162	2.480	0.00190	Resident
R0002	488,890	3,628,162	2.512	0.00193	Resident
R0003	488,915	3,628,162	2.540	0.00195	Resident
R0004	488,940	3,628,162	2.566	0.00197	Resident
R0005	488,965	3,628,162	2.593	0.00199	Resident
R0006	488,990	3,628,162	2.620	0.00201	Resident
R0007	489,015	3,628,162	2.666	0.00204	Resident
R0008	489,040	3,628,162	2.708	0.00208	Resident
R0009	489,065	3,628,162	2.742	0.00210	Resident
R0010	488,765	3,628,137	2.480	0.00190	Resident
R0011	488,790	3,628,137	2.517	0.00193	Resident
R0012	488,815	3,628,137	2.557	0.00196	Resident
R0013	488,840	3,628,137	2.591	0.00199	Resident
R0014	488,865	3,628,137	2.622	0.00201	Resident
R0015	488,890	3,628,137	2.655	0.00203	Resident
R0016	488,915	3,628,137	2.689	0.00206	Resident
R0017	488,940	3,628,137	2.718	0.00208	Resident
R0018	488,965	3,628,137	2.746	0.00210	Resident
R0019	488,990	3,628,137	2.777	0.00213	Resident
R0020	489,015	3,628,137	2.823	0.00216	Resident
R0021	489,040	3,628,137	2.868	0.00220	Resident
R0022	489,065	3,628,137	2.925	0.00224	Resident
R0023	489,090	3,628,137	3.149	0.00241	Resident
R0024	489,115	3,628,137	3.555	0.00272	Resident
R0025	489,140	3,628,137	4.082	0.00313	Resident
R0026	489,165	3,628,137	4.536	0.00348	Resident
R0027	488,715	3,628,112	2.548	0.00195	Resident
R0028	488,740	3,628,112	2.585	0.00198	Resident
R0029	488,765	3,628,112	2.628	0.00201	Resident
R0030	488,790	3,628,112	2.667	0.00204	Resident
R0031	488,815	3,628,112	2.706	0.00207	Resident
R0032	488,840	3,628,112	2.748	0.00211	Resident
R0033	488,865	3,628,112	2.784	0.00213	Resident
R0034	488,890	3,628,112	2.818	0.00216	Resident
R0035	488,915	3,628,112	2.849	0.00218	Resident
R0036	488,940	3,628,112	2.879	0.00221	Resident
R0037	488,965	3,628,112	2.910	0.00223	Resident
R0038	488,990	3,628,112	2.970	0.00228	Resident
R0039	489,015	3,628,112	3.014	0.00231	Resident
R0040	489,040	3,628,112	3.072	0.00235	Resident
R0041	489,065	3,628,112	3.255	0.00249	Resident
R0042	489,090	3,628,112	3.579	0.00274	Resident
R0043	489,115	3,628,112	4.083	0.00313	Resident
R0044	489,140	3,628,112	4.513	0.00346	Resident
R0045	489,165	3,628,112	4.854	0.00372	Resident
R0046	489,190	3,628,112	0.536	0.00370	Worker
R0047	489,215	3,628,112	0.534	0.00370	Worker
R0048	489,240	3,628,112	0.533	0.00369	Worker
R0049	489,265	3,628,112	0.531	0.00367	Worker
R0050	488,340	3,628,087	1.959	0.00150	Resident
R0051	488,365	3,628,087	2.003	0.00153	Resident
R0052	488,390	3,628,087	2.048	0.00157	Resident
R0053	488,415	3,628,087	2.091	0.00160	Resident
R0054	488,440	3,628,087	2.146	0.00164	Resident
R0055	488,465	3,628,087	2.196	0.00168	Resident
R0056	488,490	3,628,087	2.243	0.00172	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0057	488,515	3,628,087	2.292	0.00176	Resident
R0058	488,540	3,628,087	0.262	0.00181	Worker
R0059	488,565	3,628,087	0.271	0.00188	Worker
R0060	488,590	3,628,087	0.282	0.00195	Worker
R0061	488,615	3,628,087	0.309	0.00213	Worker
R0062	488,640	3,628,087	0.319	0.00220	Worker
R0063	488,665	3,628,087	0.316	0.00218	Worker
R0064	488,690	3,628,087	0.304	0.00210	Worker
R0065	488,715	3,628,087	0.302	0.00209	Worker
R0066	488,740	3,628,087	2.744	0.00210	Resident
R0067	488,765	3,628,087	2.794	0.00214	Resident
R0068	488,790	3,628,087	2.836	0.00217	Resident
R0069	488,815	3,628,087	2.876	0.00220	Resident
R0070	488,840	3,628,087	2.915	0.00223	Resident
R0071	488,865	3,628,087	2.953	0.00226	Resident
R0072	488,890	3,628,087	2.994	0.00229	Resident
R0073	488,915	3,628,087	3.043	0.00233	Resident
R0074	488,940	3,628,087	3.108	0.00238	Resident
R0075	488,965	3,628,087	3.172	0.00243	Resident
R0076	488,990	3,628,087	3.189	0.00244	Resident
R0077	489,015	3,628,087	3.237	0.00248	Resident
R0078	489,040	3,628,087	3.318	0.00254	Resident
R0079	489,065	3,628,087	3.548	0.00272	Resident
R0080	489,090	3,628,087	4.099	0.00314	Resident
R0081	489,115	3,628,087	4.523	0.00347	Resident
R0082	489,140	3,628,087	4.896	0.00375	Resident
R0083	489,165	3,628,087	5.174	0.00396	Resident
R0084	489,190	3,628,087	0.570	0.00394	Worker
R0085	489,215	3,628,087	0.569	0.00393	Worker
R0086	489,240	3,628,087	0.567	0.00392	Worker
R0087	489,265	3,628,087	0.565	0.00390	Worker
R0088	489,290	3,628,087	0.562	0.00388	Worker
R0089	489,315	3,628,087	0.558	0.00386	Worker
R0090	488,240	3,628,062	1.864	0.00143	Resident
R0091	488,265	3,628,062	1.907	0.00146	Resident
R0092	488,290	3,628,062	1.954	0.00150	Resident
R0093	488,315	3,628,062	2.002	0.00153	Resident
R0094	488,340	3,628,062	2.048	0.00157	Resident
R0095	488,365	3,628,062	2.095	0.00161	Resident
R0096	488,390	3,628,062	2.145	0.00164	Resident
R0097	488,415	3,628,062	2.194	0.00168	Resident
R0098	488,440	3,628,062	2.250	0.00172	Resident
R0099	488,465	3,628,062	2.311	0.00177	Resident
R0100	488,490	3,628,062	2.366	0.00181	Resident
R0101	488,515	3,628,062	2.418	0.00185	Resident
R0102	488,540	3,628,062	0.276	0.00191	Worker
R0103	488,565	3,628,062	0.286	0.00198	Worker
R0104	488,590	3,628,062	0.296	0.00205	Worker
R0105	488,615	3,628,062	0.319	0.00220	Worker
R0106	488,640	3,628,062	0.346	0.00239	Worker
R0107	488,665	3,628,062	0.342	0.00236	Worker
R0108	488,690	3,628,062	0.324	0.00224	Worker
R0109	488,715	3,628,062	0.323	0.00224	Worker
R0110	488,740	3,628,062	2.920	0.00224	Resident
R0111	488,765	3,628,062	2.977	0.00228	Resident
R0112	488,790	3,628,062	3.013	0.00231	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0113	488,815	3,628,062	3.069	0.00235	Resident
R0114	488,840	3,628,062	3.135	0.00240	Resident
R0115	488,865	3,628,062	3.214	0.00246	Resident
R0116	488,890	3,628,062	3.289	0.00252	Resident
R0117	488,915	3,628,062	3.350	0.00257	Resident
R0118	488,940	3,628,062	3.398	0.00260	Resident
R0119	488,965	3,628,062	3.430	0.00263	Resident
R0120	488,990	3,628,062	3.431	0.00263	Resident
R0121	489,015	3,628,062	3.608	0.00276	Resident
R0122	489,040	3,628,062	3.651	0.00280	Resident
R0123	489,065	3,628,062	3.744	0.00287	Resident
R0124	489,090	3,628,062	4.253	0.00326	Resident
R0125	489,115	3,628,062	4.944	0.00379	Resident
R0126	489,140	3,628,062	5.481	0.00420	Resident
R0127	489,165	3,628,062	0.610	0.00422	Worker
R0128	489,190	3,628,062	0.609	0.00421	Worker
R0129	489,215	3,628,062	0.607	0.00420	Worker
R0130	489,240	3,628,062	0.605	0.00418	Worker
R0131	489,265	3,628,062	0.602	0.00416	Worker
R0132	489,290	3,628,062	0.598	0.00413	Worker
R0133	489,315	3,628,062	0.593	0.00410	Worker
R0134	489,340	3,628,062	0.588	0.00407	Worker
R0135	489,365	3,628,062	0.585	0.00404	Worker
R0136	489,390	3,628,062	0.579	0.00400	Worker
R0137	488,165	3,628,037	1.801	0.00138	Resident
R0138	488,190	3,628,037	1.846	0.00141	Resident
R0139	488,215	3,628,037	1.893	0.00145	Resident
R0140	488,240	3,628,037	1.941	0.00149	Resident
R0141	488,265	3,628,037	1.989	0.00152	Resident
R0142	488,290	3,628,037	2.041	0.00156	Resident
R0143	488,315	3,628,037	2.092	0.00160	Resident
R0144	488,340	3,628,037	2.144	0.00164	Resident
R0145	488,365	3,628,037	2.196	0.00168	Resident
R0146	488,390	3,628,037	2.250	0.00172	Resident
R0147	488,415	3,628,037	2.308	0.00177	Resident
R0148	488,440	3,628,037	2.363	0.00181	Resident
R0149	488,465	3,628,037	2.436	0.00187	Resident
R0150	488,490	3,628,037	2.499	0.00192	Resident
R0151	488,515	3,628,037	2.558	0.00196	Resident
R0152	488,540	3,628,037	0.293	0.00203	Worker
R0153	488,565	3,628,037	0.303	0.00210	Worker
R0154	488,590	3,628,037	0.313	0.00217	Worker
R0155	488,615	3,628,037	0.328	0.00227	Worker
R0156	488,640	3,628,037	0.372	0.00257	Worker
R0157	488,665	3,628,037	0.387	0.00268	Worker
R0158	488,690	3,628,037	0.359	0.00248	Worker
R0159	488,715	3,628,037	0.347	0.00240	Worker
R0160	488,740	3,628,037	3.129	0.00240	Resident
R0161	488,765	3,628,037	3.186	0.00244	Resident
R0162	488,790	3,628,037	3.276	0.00251	Resident
R0163	488,815	3,628,037	3.355	0.00257	Resident
R0164	488,840	3,628,037	3.430	0.00263	Resident
R0165	488,865	3,628,037	3.494	0.00268	Resident
R0166	488,890	3,628,037	3.546	0.00272	Resident
R0167	488,915	3,628,037	3.596	0.00276	Resident
R0168	488,940	3,628,037	3.638	0.00279	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0169	488,965	3,628,037	3.671	0.00281	Resident
R0170	488,990	3,628,037	3.735	0.00286	Resident
R0171	489,015	3,628,037	4.056	0.00311	Resident
R0172	489,040	3,628,037	4.222	0.00324	Resident
R0173	489,065	3,628,037	4.281	0.00328	Resident
R0174	489,090	3,628,037	4.626	0.00355	Resident
R0175	489,115	3,628,037	5.340	0.00409	Resident
R0176	489,140	3,628,037	5.932	0.00455	Resident
R0177	489,165	3,628,037	0.654	0.00452	Worker
R0178	489,190	3,628,037	0.652	0.00451	Worker
R0179	489,215	3,628,037	0.650	0.00449	Worker
R0180	489,240	3,628,037	0.646	0.00447	Worker
R0181	489,265	3,628,037	0.643	0.00444	Worker
R0182	489,290	3,628,037	0.638	0.00441	Worker
R0183	489,315	3,628,037	0.632	0.00437	Worker
R0184	489,340	3,628,037	0.627	0.00433	Worker
R0185	489,365	3,628,037	0.622	0.00430	Worker
R0186	489,390	3,628,037	0.615	0.00425	Worker
R0187	489,415	3,628,037	5.473	0.00419	Resident
R0188	489,440	3,628,037	5.377	0.00412	Resident
R0189	488,115	3,628,012	1.778	0.00136	Resident
R0190	488,140	3,628,012	1.823	0.00140	Resident
R0191	488,165	3,628,012	1.872	0.00143	Resident
R0192	488,190	3,628,012	1.922	0.00147	Resident
R0193	488,215	3,628,012	1.973	0.00151	Resident
R0194	488,240	3,628,012	2.024	0.00155	Resident
R0195	488,265	3,628,012	2.082	0.00160	Resident
R0196	488,290	3,628,012	2.143	0.00164	Resident
R0197	488,315	3,628,012	2.189	0.00168	Resident
R0198	488,340	3,628,012	2.249	0.00172	Resident
R0199	488,365	3,628,012	2.306	0.00177	Resident
R0200	488,390	3,628,012	2.368	0.00181	Resident
R0201	488,415	3,628,012	2.432	0.00186	Resident
R0202	488,440	3,628,012	2.494	0.00191	Resident
R0203	488,465	3,628,012	2.573	0.00197	Resident
R0204	488,490	3,628,012	2.644	0.00203	Resident
R0205	488,515	3,628,012	2.711	0.00208	Resident
R0206	488,540	3,628,012	0.309	0.00214	Worker
R0207	488,565	3,628,012	0.324	0.00224	Worker
R0208	488,590	3,628,012	0.334	0.00231	Worker
R0209	488,615	3,628,012	0.347	0.00240	Worker
R0210	488,640	3,628,012	0.382	0.00264	Worker
R0211	488,665	3,628,012	0.427	0.00295	Worker
R0212	488,690	3,628,012	0.418	0.00289	Worker
R0213	488,715	3,628,012	0.376	0.00260	Worker
R0214	488,740	3,628,012	0.373	0.00258	Worker
R0215	488,765	3,628,012	3.423	0.00262	Resident
R0216	488,790	3,628,012	3.508	0.00269	Resident
R0217	488,815	3,628,012	3.592	0.00275	Resident
R0218	488,840	3,628,012	3.674	0.00282	Resident
R0219	488,865	3,628,012	3.741	0.00287	Resident
R0220	488,890	3,628,012	3.803	0.00291	Resident
R0221	488,915	3,628,012	3.847	0.00295	Resident
R0222	488,940	3,628,012	3.892	0.00298	Resident
R0223	488,965	3,628,012	3.937	0.00302	Resident
R0224	488,990	3,628,012	4.041	0.00310	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0225	489,015	3,628,012	4.311	0.00330	Resident
R0226	489,040	3,628,012	4.896	0.00375	Resident
R0227	489,065	3,628,012	5.303	0.00406	Resident
R0228	489,090	3,628,012	5.505	0.00422	Resident
R0229	489,115	3,628,012	5.907	0.00453	Resident
R0230	489,140	3,628,012	0.704	0.00487	Worker
R0231	489,165	3,628,012	0.702	0.00486	Worker
R0232	489,190	3,628,012	0.700	0.00484	Worker
R0233	489,215	3,628,012	0.697	0.00482	Worker
R0234	489,240	3,628,012	0.693	0.00479	Worker
R0235	489,265	3,628,012	0.688	0.00475	Worker
R0236	489,290	3,628,012	0.682	0.00471	Worker
R0237	489,315	3,628,012	0.675	0.00467	Worker
R0238	489,340	3,628,012	0.670	0.00463	Worker
R0239	489,365	3,628,012	0.663	0.00458	Worker
R0240	489,390	3,628,012	0.654	0.00452	Worker
R0241	489,415	3,628,012	5.811	0.00445	Resident
R0242	489,440	3,628,012	5.702	0.00437	Resident
R0243	489,465	3,628,012	5.587	0.00428	Resident
R0244	489,490	3,628,012	5.472	0.00419	Resident
R0245	488,065	3,627,987	1.746	0.00134	Resident
R0246	488,090	3,627,987	1.793	0.00137	Resident
R0247	488,115	3,627,987	1.843	0.00141	Resident
R0248	488,140	3,627,987	1.895	0.00145	Resident
R0249	488,165	3,627,987	1.947	0.00149	Resident
R0250	488,190	3,627,987	2.002	0.00153	Resident
R0251	488,215	3,627,987	2.058	0.00158	Resident
R0252	488,240	3,627,987	2.113	0.00162	Resident
R0253	488,265	3,627,987	2.192	0.00168	Resident
R0254	488,290	3,627,987	2.258	0.00173	Resident
R0255	488,315	3,627,987	2.296	0.00176	Resident
R0256	488,340	3,627,987	2.362	0.00181	Resident
R0257	488,365	3,627,987	2.426	0.00186	Resident
R0258	488,390	3,627,987	2.494	0.00191	Resident
R0259	488,415	3,627,987	2.566	0.00197	Resident
R0260	488,440	3,627,987	2.635	0.00202	Resident
R0261	488,465	3,627,987	2.718	0.00208	Resident
R0262	488,490	3,627,987	2.802	0.00215	Resident
R0263	488,515	3,627,987	2.881	0.00221	Resident
R0264	488,540	3,627,987	2.960	0.00227	Resident
R0265	488,565	3,627,987	0.346	0.00239	Worker
R0266	488,590	3,627,987	0.362	0.00250	Worker
R0267	488,615	3,627,987	0.382	0.00264	Worker
R0268	488,640	3,627,987	0.413	0.00286	Worker
R0269	488,665	3,627,987	0.467	0.00323	Worker
R0270	488,690	3,627,987	0.480	0.00332	Worker
R0271	488,715	3,627,987	0.424	0.00293	Worker
R0272	488,740	3,627,987	0.405	0.00280	Worker
R0273	488,765	3,627,987	3.696	0.00283	Resident
R0274	488,790	3,627,987	3.789	0.00290	Resident
R0275	488,815	3,627,987	3.853	0.00295	Resident
R0276	488,840	3,627,987	3.935	0.00302	Resident
R0277	488,865	3,627,987	4.007	0.00307	Resident
R0278	488,890	3,627,987	4.105	0.00315	Resident
R0279	488,915	3,627,987	4.229	0.00324	Resident
R0280	488,940	3,627,987	4.264	0.00327	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0281	488,965	3,627,987	0.479	0.00331	Worker
R0282	488,990	3,627,987	4.377	0.00335	Resident
R0283	489,015	3,627,987	4.530	0.00347	Resident
R0284	489,040	3,627,987	4.836	0.00371	Resident
R0285	489,065	3,627,987	5.451	0.00418	Resident
R0286	489,090	3,627,987	6.208	0.00476	Resident
R0287	489,115	3,627,987	6.842	0.00524	Resident
R0288	489,140	3,627,987	0.759	0.00525	Worker
R0289	489,165	3,627,987	0.757	0.00524	Worker
R0290	489,190	3,627,987	0.754	0.00522	Worker
R0291	489,215	3,627,987	0.750	0.00519	Worker
R0292	489,240	3,627,987	0.745	0.00515	Worker
R0293	489,265	3,627,987	0.738	0.00510	Worker
R0294	489,290	3,627,987	0.731	0.00505	Worker
R0295	489,315	3,627,987	0.723	0.00500	Worker
R0296	489,340	3,627,987	0.717	0.00496	Worker
R0297	489,365	3,627,987	0.707	0.00489	Worker
R0298	489,390	3,627,987	6.284	0.00482	Resident
R0299	489,415	3,627,987	6.181	0.00474	Resident
R0300	489,440	3,627,987	6.051	0.00464	Resident
R0301	489,465	3,627,987	5.929	0.00454	Resident
R0302	489,490	3,627,987	5.796	0.00444	Resident
R0303	489,515	3,627,987	5.438	0.00417	Resident
R0304	488,040	3,627,962	1.755	0.00134	Resident
R0305	488,065	3,627,962	1.805	0.00138	Resident
R0306	488,090	3,627,962	1.856	0.00142	Resident
R0307	488,115	3,627,962	1.911	0.00146	Resident
R0308	488,140	3,627,962	1.969	0.00151	Resident
R0309	488,165	3,627,962	2.028	0.00155	Resident
R0310	488,190	3,627,962	2.088	0.00160	Resident
R0311	488,215	3,627,962	2.148	0.00165	Resident
R0312	488,240	3,627,962	2.215	0.00170	Resident
R0313	488,265	3,627,962	2.341	0.00179	Resident
R0314	488,290	3,627,962	2.409	0.00185	Resident
R0315	488,315	3,627,962	2.413	0.00185	Resident
R0316	488,340	3,627,962	2.485	0.00190	Resident
R0317	488,365	3,627,962	2.556	0.00196	Resident
R0318	488,390	3,627,962	2.632	0.00202	Resident
R0319	488,415	3,627,962	2.714	0.00208	Resident
R0320	488,440	3,627,962	2.796	0.00214	Resident
R0321	488,465	3,627,962	2.881	0.00221	Resident
R0322	488,490	3,627,962	2.981	0.00228	Resident
R0323	488,515	3,627,962	3.074	0.00236	Resident
R0324	488,540	3,627,962	3.160	0.00242	Resident
R0325	488,565	3,627,962	0.366	0.00253	Worker
R0326	488,590	3,627,962	0.392	0.00271	Worker
R0327	488,615	3,627,962	0.417	0.00289	Worker
R0328	488,640	3,627,962	0.444	0.00307	Worker
R0329	488,665	3,627,962	0.500	0.00346	Worker
R0330	488,690	3,627,962	0.537	0.00371	Worker
R0331	488,715	3,627,962	0.501	0.00346	Worker
R0332	488,740	3,627,962	0.443	0.00306	Worker
R0333	488,765	3,627,962	4.016	0.00308	Resident
R0334	488,790	3,627,962	4.122	0.00316	Resident
R0335	488,815	3,627,962	4.189	0.00321	Resident
R0336	488,840	3,627,962	4.310	0.00330	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0337	488,865	3,627,962	4.428	0.00339	Resident
R0338	488,890	3,627,962	4.533	0.00347	Resident
R0339	488,915	3,627,962	4.883	0.00374	Resident
R0340	488,940	3,627,962	4.768	0.00365	Resident
R0341	488,965	3,627,962	0.521	0.00360	Worker
R0342	488,990	3,627,962	4.745	0.00364	Resident
R0343	489,015	3,627,962	4.918	0.00377	Resident
R0344	489,040	3,627,962	5.235	0.00401	Resident
R0345	489,065	3,627,962	5.850	0.00448	Resident
R0346	489,090	3,627,962	6.652	0.00510	Resident
R0347	489,115	3,627,962	7.484	0.00574	Resident
R0348	489,140	3,627,962	0.823	0.00569	Worker
R0349	489,165	3,627,962	0.820	0.00567	Worker
R0350	489,190	3,627,962	0.816	0.00564	Worker
R0351	489,215	3,627,962	0.810	0.00560	Worker
R0352	489,240	3,627,962	0.803	0.00555	Worker
R0353	489,265	3,627,962	0.795	0.00550	Worker
R0354	489,290	3,627,962	0.787	0.00544	Worker
R0355	489,315	3,627,962	0.777	0.00537	Worker
R0356	489,340	3,627,962	0.768	0.00531	Worker
R0357	489,365	3,627,962	0.757	0.00523	Worker
R0358	489,390	3,627,962	6.709	0.00514	Resident
R0359	489,415	3,627,962	6.587	0.00505	Resident
R0360	489,440	3,627,962	6.462	0.00495	Resident
R0361	489,465	3,627,962	6.309	0.00484	Resident
R0362	489,490	3,627,962	6.155	0.00472	Resident
R0363	489,515	3,627,962	5.792	0.00444	Resident
R0364	489,540	3,627,962	5.506	0.00422	Resident
R0365	487,990	3,627,937	1.708	0.00131	Resident
R0366	488,015	3,627,937	1.760	0.00135	Resident
R0367	488,040	3,627,937	1.812	0.00139	Resident
R0368	488,065	3,627,937	1.866	0.00143	Resident
R0369	488,090	3,627,937	1.942	0.00149	Resident
R0370	488,115	3,627,937	1.994	0.00153	Resident
R0371	488,140	3,627,937	2.046	0.00157	Resident
R0372	488,165	3,627,937	2.111	0.00162	Resident
R0373	488,190	3,627,937	2.176	0.00167	Resident
R0374	488,215	3,627,937	2.243	0.00172	Resident
R0375	488,240	3,627,937	2.336	0.00179	Resident
R0376	488,265	3,627,937	2.469	0.00189	Resident
R0377	488,290	3,627,937	2.575	0.00197	Resident
R0378	488,315	3,627,937	2.557	0.00196	Resident
R0379	488,340	3,627,937	2.620	0.00201	Resident
R0380	488,365	3,627,937	2.702	0.00207	Resident
R0381	488,390	3,627,937	2.783	0.00213	Resident
R0382	488,415	3,627,937	2.878	0.00221	Resident
R0383	488,440	3,627,937	2.974	0.00228	Resident
R0384	488,465	3,627,937	3.063	0.00235	Resident
R0385	488,490	3,627,937	3.176	0.00243	Resident
R0386	488,515	3,627,937	3.287	0.00252	Resident
R0387	488,540	3,627,937	3.381	0.00259	Resident
R0388	488,565	3,627,937	0.392	0.00271	Worker
R0389	488,590	3,627,937	0.409	0.00283	Worker
R0390	488,615	3,627,937	0.426	0.00294	Worker
R0391	488,640	3,627,937	0.454	0.00314	Worker
R0392	488,665	3,627,937	0.521	0.00360	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0393	488,690	3,627,937	0.600	0.00415	Worker
R0394	488,715	3,627,937	0.584	0.00404	Worker
R0395	488,740	3,627,937	0.492	0.00340	Worker
R0396	488,765	3,627,937	4.382	0.00336	Resident
R0397	488,790	3,627,937	4.495	0.00345	Resident
R0398	488,815	3,627,937	4.618	0.00354	Resident
R0399	488,840	3,627,937	4.724	0.00362	Resident
R0400	488,865	3,627,937	4.825	0.00370	Resident
R0401	488,890	3,627,937	4.913	0.00376	Resident
R0402	488,915	3,627,937	5.348	0.00410	Resident
R0403	488,940	3,627,937	0.632	0.00437	Worker
R0404	488,965	3,627,937	0.595	0.00411	Worker
R0405	488,990	3,627,937	5.280	0.00405	Resident
R0406	489,015	3,627,937	5.593	0.00429	Resident
R0407	489,040	3,627,937	6.069	0.00465	Resident
R0408	489,065	3,627,937	6.821	0.00523	Resident
R0409	489,090	3,627,937	7.568	0.00580	Resident
R0410	489,115	3,627,937	0.899	0.00621	Worker
R0411	489,140	3,627,937	0.896	0.00619	Worker
R0412	489,165	3,627,937	0.890	0.00615	Worker
R0413	489,190	3,627,937	0.884	0.00611	Worker
R0414	489,215	3,627,937	0.877	0.00607	Worker
R0415	489,240	3,627,937	0.870	0.00602	Worker
R0416	489,265	3,627,937	0.864	0.00597	Worker
R0417	489,290	3,627,937	0.852	0.00589	Worker
R0418	489,315	3,627,937	0.835	0.00578	Worker
R0419	489,340	3,627,937	0.826	0.00571	Worker
R0420	489,365	3,627,937	0.811	0.00561	Worker
R0421	489,390	3,627,937	7.178	0.00550	Resident
R0422	489,415	3,627,937	7.034	0.00539	Resident
R0423	489,440	3,627,937	6.885	0.00528	Resident
R0424	489,465	3,627,937	6.706	0.00514	Resident
R0425	489,490	3,627,937	6.525	0.00500	Resident
R0426	489,515	3,627,937	6.108	0.00468	Resident
R0427	489,540	3,627,937	5.935	0.00455	Resident
R0428	489,565	3,627,937	5.768	0.00442	Resident
R0429	487,965	3,627,912	1.704	0.00131	Resident
R0430	487,990	3,627,912	1.759	0.00135	Resident
R0431	488,015	3,627,912	1.814	0.00139	Resident
R0432	488,040	3,627,912	1.871	0.00143	Resident
R0433	488,065	3,627,912	1.943	0.00149	Resident
R0434	488,090	3,627,912	2.048	0.00157	Resident
R0435	488,115	3,627,912	2.141	0.00164	Resident
R0436	488,140	3,627,912	2.147	0.00165	Resident
R0437	488,165	3,627,912	2.203	0.00169	Resident
R0438	488,190	3,627,912	2.275	0.00174	Resident
R0439	488,215	3,627,912	2.361	0.00181	Resident
R0440	488,240	3,627,912	2.462	0.00189	Resident
R0441	488,265	3,627,912	2.607	0.00200	Resident
R0442	488,290	3,627,912	2.775	0.00213	Resident
R0443	488,315	3,627,912	2.720	0.00208	Resident
R0444	488,340	3,627,912	2.768	0.00212	Resident
R0445	488,365	3,627,912	2.863	0.00219	Resident
R0446	488,390	3,627,912	2.959	0.00227	Resident
R0447	488,415	3,627,912	3.060	0.00234	Resident
R0448	488,440	3,627,912	3.164	0.00242	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0449	488,465	3,627,912	3.276	0.00251	Resident
R0450	488,490	3,627,912	3.397	0.00260	Resident
R0451	488,515	3,627,912	3.512	0.00269	Resident
R0452	488,540	3,627,912	3.632	0.00278	Resident
R0453	488,565	3,627,912	3.830	0.00294	Resident
R0454	488,590	3,627,912	0.438	0.00303	Worker
R0455	488,615	3,627,912	0.454	0.00314	Worker
R0456	488,640	3,627,912	0.479	0.00331	Worker
R0457	488,665	3,627,912	0.551	0.00381	Worker
R0458	488,690	3,627,912	0.669	0.00463	Worker
R0459	488,715	3,627,912	0.672	0.00465	Worker
R0460	488,740	3,627,912	0.561	0.00388	Worker
R0461	488,765	3,627,912	0.536	0.00370	Worker
R0462	488,790	3,627,912	4.909	0.00376	Resident
R0463	488,815	3,627,912	5.028	0.00385	Resident
R0464	488,840	3,627,912	5.126	0.00393	Resident
R0465	488,865	3,627,912	5.236	0.00401	Resident
R0466	488,890	3,627,912	5.338	0.00409	Resident
R0467	488,915	3,627,912	5.820	0.00446	Resident
R0468	488,940	3,627,912	0.743	0.00514	Worker
R0469	488,965	3,627,912	0.729	0.00504	Worker
R0470	488,990	3,627,912	6.120	0.00469	Resident
R0471	489,015	3,627,912	6.578	0.00504	Resident
R0472	489,040	3,627,912	7.186	0.00551	Resident
R0473	489,065	3,627,912	7.906	0.00606	Resident
R0474	489,090	3,627,912	8.897	0.00682	Resident
R0475	489,115	3,627,912	0.983	0.00680	Worker
R0476	489,140	3,627,912	0.979	0.00677	Worker
R0477	489,165	3,627,912	0.972	0.00672	Worker
R0478	489,190	3,627,912	0.965	0.00667	Worker
R0479	489,215	3,627,912	0.962	0.00665	Worker
R0480	489,240	3,627,912	0.952	0.00658	Worker
R0481	489,265	3,627,912	0.938	0.00649	Worker
R0482	489,290	3,627,912	0.919	0.00636	Worker
R0483	489,315	3,627,912	0.904	0.00625	Worker
R0484	489,340	3,627,912	0.890	0.00615	Worker
R0485	489,365	3,627,912	7.865	0.00603	Resident
R0486	489,390	3,627,912	7.697	0.00590	Resident
R0487	489,415	3,627,912	7.526	0.00577	Resident
R0488	489,440	3,627,912	7.345	0.00563	Resident
R0489	489,465	3,627,912	7.123	0.00546	Resident
R0490	489,490	3,627,912	6.918	0.00530	Resident
R0491	489,515	3,627,912	6.435	0.00493	Resident
R0492	489,540	3,627,912	6.237	0.00478	Resident
R0493	489,565	3,627,912	6.075	0.00466	Resident
R0494	489,590	3,627,912	5.872	0.00450	Resident
R0495	487,940	3,627,887	1.697	0.00130	Resident
R0496	487,965	3,627,887	1.752	0.00134	Resident
R0497	487,990	3,627,887	1.810	0.00139	Resident
R0498	488,015	3,627,887	1.870	0.00143	Resident
R0499	488,040	3,627,887	1.944	0.00149	Resident
R0500	488,065	3,627,887	2.049	0.00157	Resident
R0501	488,090	3,627,887	2.165	0.00166	Resident
R0502	488,115	3,627,887	2.297	0.00176	Resident
R0503	488,140	3,627,887	2.301	0.00176	Resident
R0504	488,165	3,627,887	2.353	0.00180	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0505	488,190	3,627,887	2.422	0.00186	Resident
R0506	488,215	3,627,887	2.501	0.00192	Resident
R0507	488,240	3,627,887	2.609	0.00200	Resident
R0508	488,265	3,627,887	2.767	0.00212	Resident
R0509	488,290	3,627,887	2.997	0.00230	Resident
R0510	488,315	3,627,887	2.902	0.00222	Resident
R0511	488,340	3,627,887	2.932	0.00225	Resident
R0512	488,365	3,627,887	3.036	0.00233	Resident
R0513	488,390	3,627,887	3.142	0.00241	Resident
R0514	488,415	3,627,887	3.255	0.00249	Resident
R0515	488,440	3,627,887	3.384	0.00259	Resident
R0516	488,465	3,627,887	3.503	0.00268	Resident
R0517	488,490	3,627,887	3.639	0.00279	Resident
R0518	488,515	3,627,887	3.783	0.00290	Resident
R0519	488,540	3,627,887	3.985	0.00305	Resident
R0520	488,565	3,627,887	4.137	0.00317	Resident
R0521	488,590	3,627,887	0.474	0.00328	Worker
R0522	488,615	3,627,887	0.490	0.00339	Worker
R0523	488,640	3,627,887	0.513	0.00355	Worker
R0524	488,665	3,627,887	0.580	0.00401	Worker
R0525	488,690	3,627,887	0.742	0.00513	Worker
R0526	488,715	3,627,887	0.767	0.00530	Worker
R0527	488,740	3,627,887	0.663	0.00458	Worker
R0528	488,765	3,627,887	0.606	0.00419	Worker
R0529	488,790	3,627,887	5.368	0.00411	Resident
R0530	488,815	3,627,887	5.477	0.00420	Resident
R0531	488,840	3,627,887	5.585	0.00428	Resident
R0532	488,865	3,627,887	5.697	0.00437	Resident
R0533	488,890	3,627,887	5.847	0.00448	Resident
R0534	488,915	3,627,887	0.695	0.00481	Worker
R0535	488,940	3,627,887	0.789	0.00545	Worker
R0536	488,965	3,627,887	0.896	0.00619	Worker
R0537	488,990	3,627,887	7.698	0.00590	Resident
R0538	489,015	3,627,887	7.831	0.00600	Resident
R0539	489,040	3,627,887	8.485	0.00650	Resident
R0540	489,065	3,627,887	9.141	0.00701	Resident
R0541	489,090	3,627,887	9.851	0.00755	Resident
R0542	489,115	3,627,887	1.082	0.00748	Worker
R0543	489,140	3,627,887	1.075	0.00743	Worker
R0544	489,165	3,627,887	1.068	0.00738	Worker
R0545	489,190	3,627,887	1.066	0.00737	Worker
R0546	489,215	3,627,887	1.055	0.00729	Worker
R0547	489,240	3,627,887	1.039	0.00719	Worker
R0548	489,265	3,627,887	1.022	0.00706	Worker
R0549	489,290	3,627,887	0.995	0.00688	Worker
R0550	489,315	3,627,887	0.982	0.00679	Worker
R0551	489,340	3,627,887	0.961	0.00665	Worker
R0552	489,365	3,627,887	8.475	0.00649	Resident
R0553	489,390	3,627,887	8.271	0.00634	Resident
R0554	489,415	3,627,887	8.071	0.00618	Resident
R0555	489,440	3,627,887	7.800	0.00598	Resident
R0556	489,465	3,627,887	7.253	0.00556	Resident
R0557	489,490	3,627,887	7.015	0.00538	Resident
R0558	489,515	3,627,887	6.781	0.00520	Resident
R0559	489,540	3,627,887	6.562	0.00503	Resident
R0560	489,565	3,627,887	6.342	0.00486	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0561	489,590	3,627,887	6.127	0.00470	Resident
R0562	489,615	3,627,887	5.916	0.00453	Resident
R0563	487,915	3,627,862	1.680	0.00129	Resident
R0564	487,940	3,627,862	1.738	0.00133	Resident
R0565	487,965	3,627,862	1.798	0.00138	Resident
R0566	487,990	3,627,862	1.863	0.00143	Resident
R0567	488,015	3,627,862	1.941	0.00149	Resident
R0568	488,040	3,627,862	2.040	0.00156	Resident
R0569	488,065	3,627,862	2.171	0.00166	Resident
R0570	488,090	3,627,862	2.301	0.00176	Resident
R0571	488,115	3,627,862	2.443	0.00187	Resident
R0572	488,140	3,627,862	2.482	0.00190	Resident
R0573	488,165	3,627,862	2.510	0.00192	Resident
R0574	488,190	3,627,862	2.578	0.00198	Resident
R0575	488,215	3,627,862	2.666	0.00204	Resident
R0576	488,240	3,627,862	2.776	0.00213	Resident
R0577	488,265	3,627,862	2.952	0.00226	Resident
R0578	488,290	3,627,862	3.261	0.00250	Resident
R0579	488,315	3,627,862	3.115	0.00239	Resident
R0580	488,340	3,627,862	3.134	0.00240	Resident
R0581	488,365	3,627,862	3.235	0.00248	Resident
R0582	488,390	3,627,862	3.369	0.00258	Resident
R0583	488,415	3,627,862	3.507	0.00269	Resident
R0584	488,440	3,627,862	3.668	0.00281	Resident
R0585	488,465	3,627,862	3.829	0.00293	Resident
R0586	488,490	3,627,862	3.969	0.00304	Resident
R0587	488,515	3,627,862	4.152	0.00318	Resident
R0588	488,540	3,627,862	4.319	0.00331	Resident
R0589	488,565	3,627,862	4.485	0.00344	Resident
R0590	488,590	3,627,862	0.516	0.00357	Worker
R0591	488,615	3,627,862	0.535	0.00370	Worker
R0592	488,640	3,627,862	0.561	0.00388	Worker
R0593	488,665	3,627,862	0.641	0.00443	Worker
R0594	488,690	3,627,862	0.824	0.00570	Worker
R0595	488,715	3,627,862	0.872	0.00603	Worker
R0596	488,740	3,627,862	0.765	0.00529	Worker
R0597	488,765	3,627,862	0.690	0.00477	Worker
R0598	488,790	3,627,862	5.938	0.00455	Resident
R0599	488,815	3,627,862	6.009	0.00460	Resident
R0600	488,840	3,627,862	6.141	0.00471	Resident
R0601	488,865	3,627,862	6.273	0.00481	Resident
R0602	488,890	3,627,862	0.714	0.00494	Worker
R0603	488,915	3,627,862	0.751	0.00519	Worker
R0604	488,940	3,627,862	0.835	0.00577	Worker
R0605	488,965	3,627,862	0.979	0.00677	Worker
R0606	488,990	3,627,862	9.867	0.00756	Resident
R0607	489,015	3,627,862	9.695	0.00743	Resident
R0608	489,040	3,627,862	10.129	0.00776	Resident
R0609	489,065	3,627,862	11.021	0.00845	Resident
R0610	489,090	3,627,862	1.204	0.00833	Worker
R0611	489,115	3,627,862	1.199	0.00829	Worker
R0612	489,140	3,627,862	1.191	0.00823	Worker
R0613	489,165	3,627,862	1.180	0.00816	Worker
R0614	489,190	3,627,862	1.179	0.00815	Worker
R0615	489,215	3,627,862	1.162	0.00803	Worker
R0616	489,240	3,627,862	1.141	0.00789	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0617	489,265	3,627,862	1.116	0.00772	Worker
R0618	489,290	3,627,862	1.084	0.00749	Worker
R0619	489,315	3,627,862	1.068	0.00738	Worker
R0620	489,340	3,627,862	1.042	0.00720	Worker
R0621	489,365	3,627,862	9.158	0.00702	Resident
R0622	489,390	3,627,862	8.923	0.00684	Resident
R0623	489,415	3,627,862	8.577	0.00657	Resident
R0624	489,440	3,627,862	7.959	0.00610	Resident
R0625	489,465	3,627,862	7.691	0.00589	Resident
R0626	489,490	3,627,862	7.429	0.00569	Resident
R0627	489,515	3,627,862	7.180	0.00550	Resident
R0628	489,540	3,627,862	6.927	0.00531	Resident
R0629	489,565	3,627,862	6.630	0.00508	Resident
R0630	489,590	3,627,862	6.204	0.00475	Resident
R0631	489,615	3,627,862	5.948	0.00456	Resident
R0632	489,640	3,627,862	5.708	0.00437	Resident
R0633	487,890	3,627,837	0.183	0.00127	Worker
R0634	487,915	3,627,837	0.190	0.00131	Worker
R0635	487,940	3,627,837	0.197	0.00136	Worker
R0636	487,965	3,627,837	0.205	0.00141	Worker
R0637	487,990	3,627,837	0.212	0.00147	Worker
R0638	488,015	3,627,837	0.222	0.00153	Worker
R0639	488,040	3,627,837	0.233	0.00161	Worker
R0640	488,065	3,627,837	0.244	0.00169	Worker
R0641	488,090	3,627,837	0.257	0.00177	Worker
R0642	488,115	3,627,837	0.272	0.00188	Worker
R0643	488,140	3,627,837	0.294	0.00203	Worker
R0644	488,165	3,627,837	0.309	0.00214	Worker
R0645	488,190	3,627,837	0.311	0.00215	Worker
R0646	488,215	3,627,837	0.318	0.00220	Worker
R0647	488,240	3,627,837	0.328	0.00227	Worker
R0648	488,265	3,627,837	0.353	0.00244	Worker
R0649	488,290	3,627,837	0.400	0.00276	Worker
R0650	488,315	3,627,837	0.376	0.00260	Worker
R0651	488,340	3,627,837	0.378	0.00261	Worker
R0652	488,365	3,627,837	0.389	0.00269	Worker
R0653	488,390	3,627,837	0.404	0.00279	Worker
R0654	488,415	3,627,837	0.421	0.00291	Worker
R0655	488,440	3,627,837	0.440	0.00304	Worker
R0656	488,465	3,627,837	0.460	0.00318	Worker
R0657	488,490	3,627,837	0.481	0.00332	Worker
R0658	488,515	3,627,837	0.500	0.00346	Worker
R0659	488,540	3,627,837	0.522	0.00361	Worker
R0660	488,565	3,627,837	0.543	0.00375	Worker
R0661	488,590	3,627,837	0.568	0.00392	Worker
R0662	488,615	3,627,837	0.596	0.00412	Worker
R0663	488,640	3,627,837	0.626	0.00433	Worker
R0664	488,665	3,627,837	0.704	0.00487	Worker
R0665	488,690	3,627,837	0.912	0.00631	Worker
R0666	488,715	3,627,837	0.989	0.00684	Worker
R0667	488,740	3,627,837	0.895	0.00619	Worker
R0668	488,765	3,627,837	0.806	0.00557	Worker
R0669	488,790	3,627,837	0.744	0.00515	Worker
R0670	488,815	3,627,837	6.716	0.00515	Resident
R0671	488,840	3,627,837	6.850	0.00525	Resident
R0672	488,865	3,627,837	6.981	0.00535	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0673	488,890	3,627,837	0.792	0.00548	Worker
R0674	488,915	3,627,837	0.850	0.00588	Worker
R0675	488,940	3,627,837	0.932	0.00644	Worker
R0676	488,965	3,627,837	1.073	0.00742	Worker
R0677	488,990	3,627,837	10.904	0.00836	Resident
R0678	489,015	3,627,837	12.103	0.00928	Resident
R0679	489,040	3,627,837	12.365	0.00948	Resident
R0680	489,065	3,627,837	12.303	0.00943	Resident
R0681	489,090	3,627,837	1.347	0.00931	Worker
R0682	489,115	3,627,837	1.340	0.00926	Worker
R0683	489,140	3,627,837	1.328	0.00918	Worker
R0684	489,165	3,627,837	1.316	0.00910	Worker
R0685	489,190	3,627,837	1.310	0.00906	Worker
R0686	489,215	3,627,837	1.287	0.00890	Worker
R0687	489,240	3,627,837	1.260	0.00871	Worker
R0688	489,265	3,627,837	1.226	0.00848	Worker
R0689	489,290	3,627,837	1.189	0.00822	Worker
R0690	489,315	3,627,837	1.166	0.00806	Worker
R0691	489,340	3,627,837	1.133	0.00783	Worker
R0692	489,365	3,627,837	9.931	0.00761	Resident
R0693	489,390	3,627,837	9.549	0.00732	Resident
R0694	489,415	3,627,837	9.234	0.00708	Resident
R0695	489,440	3,627,837	8.936	0.00685	Resident
R0696	489,465	3,627,837	8.199	0.00628	Resident
R0697	489,490	3,627,837	7.761	0.00595	Resident
R0698	489,515	3,627,837	7.295	0.00559	Resident
R0699	489,540	3,627,837	6.899	0.00529	Resident
R0700	489,565	3,627,837	6.550	0.00502	Resident
R0701	489,590	3,627,837	6.239	0.00478	Resident
R0702	489,615	3,627,837	6.028	0.00462	Resident
R0703	489,640	3,627,837	5.784	0.00443	Resident
R0704	487,890	3,627,812	0.188	0.00130	Worker
R0705	487,915	3,627,812	0.195	0.00135	Worker
R0706	487,940	3,627,812	0.202	0.00140	Worker
R0707	487,965	3,627,812	0.210	0.00145	Worker
R0708	487,990	3,627,812	0.218	0.00151	Worker
R0709	488,015	3,627,812	0.227	0.00157	Worker
R0710	488,040	3,627,812	0.238	0.00165	Worker
R0711	488,065	3,627,812	0.250	0.00173	Worker
R0712	488,090	3,627,812	0.262	0.00181	Worker
R0713	488,115	3,627,812	0.277	0.00191	Worker
R0714	488,140	3,627,812	0.301	0.00208	Worker
R0715	488,165	3,627,812	0.329	0.00228	Worker
R0716	488,190	3,627,812	0.352	0.00243	Worker
R0717	488,215	3,627,812	0.367	0.00254	Worker
R0718	488,240	3,627,812	0.367	0.00254	Worker
R0719	488,265	3,627,812	0.388	0.00268	Worker
R0720	488,290	3,627,812	0.435	0.00301	Worker
R0721	488,315	3,627,812	0.407	0.00282	Worker
R0722	488,340	3,627,812	0.409	0.00283	Worker
R0723	488,365	3,627,812	0.422	0.00292	Worker
R0724	488,390	3,627,812	0.439	0.00303	Worker
R0725	488,415	3,627,812	0.458	0.00317	Worker
R0726	488,440	3,627,812	0.480	0.00332	Worker
R0727	488,465	3,627,812	0.503	0.00348	Worker
R0728	488,490	3,627,812	0.525	0.00363	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0729	488,515	3,627,812	0.549	0.00380	Worker
R0730	488,540	3,627,812	0.573	0.00396	Worker
R0731	488,565	3,627,812	0.598	0.00413	Worker
R0732	488,590	3,627,812	0.629	0.00435	Worker
R0733	488,615	3,627,812	0.703	0.00486	Worker
R0734	488,640	3,627,812	0.724	0.00501	Worker
R0735	488,665	3,627,812	0.791	0.00547	Worker
R0736	488,690	3,627,812	1.011	0.00699	Worker
R0737	488,715	3,627,812	1.126	0.00778	Worker
R0738	488,740	3,627,812	1.067	0.00738	Worker
R0739	488,765	3,627,812	0.970	0.00671	Worker
R0740	488,790	3,627,812	0.872	0.00603	Worker
R0741	488,815	3,627,812	7.479	0.00573	Resident
R0742	488,840	3,627,812	7.620	0.00584	Resident
R0743	488,865	3,627,812	0.863	0.00597	Worker
R0744	488,890	3,627,812	0.898	0.00621	Worker
R0745	488,915	3,627,812	0.984	0.00681	Worker
R0746	488,940	3,627,812	1.099	0.00760	Worker
R0747	488,965	3,627,812	1.255	0.00867	Worker
R0748	488,990	3,627,812	12.465	0.00955	Resident
R0749	489,015	3,627,812	13.044	0.01000	Resident
R0750	489,040	3,627,812	14.046	0.01076	Resident
R0751	489,065	3,627,812	1.545	0.01068	Worker
R0752	489,090	3,627,812	1.524	0.01054	Worker
R0753	489,115	3,627,812	1.511	0.01045	Worker
R0754	489,140	3,627,812	1.497	0.01035	Worker
R0755	489,165	3,627,812	1.491	0.01031	Worker
R0756	489,190	3,627,812	1.468	0.01015	Worker
R0757	489,215	3,627,812	1.436	0.00993	Worker
R0758	489,240	3,627,812	1.400	0.00968	Worker
R0759	489,265	3,627,812	1.355	0.00937	Worker
R0760	489,290	3,627,812	1.312	0.00907	Worker
R0761	489,315	3,627,812	1.277	0.00883	Worker
R0762	489,340	3,627,812	11.158	0.00855	Resident
R0763	489,365	3,627,812	10.806	0.00828	Resident
R0764	489,390	3,627,812	10.358	0.00794	Resident
R0765	489,415	3,627,812	10.002	0.00766	Resident
R0766	489,440	3,627,812	8.810	0.00675	Resident
R0767	489,465	3,627,812	8.122	0.00622	Resident
R0768	489,490	3,627,812	7.695	0.00590	Resident
R0769	489,515	3,627,812	7.402	0.00567	Resident
R0770	489,540	3,627,812	7.122	0.00546	Resident
R0771	489,565	3,627,812	6.833	0.00524	Resident
R0772	489,590	3,627,812	6.538	0.00501	Resident
R0773	489,615	3,627,812	6.271	0.00481	Resident
R0774	489,640	3,627,812	6.021	0.00461	Resident
R0775	489,665	3,627,812	5.785	0.00443	Resident
R0776	487,865	3,627,787	1.685	0.00129	Resident
R0777	487,890	3,627,787	1.747	0.00134	Resident
R0778	487,915	3,627,787	1.816	0.00139	Resident
R0779	487,940	3,627,787	1.890	0.00145	Resident
R0780	487,965	3,627,787	1.961	0.00150	Resident
R0781	487,990	3,627,787	2.039	0.00156	Resident
R0782	488,015	3,627,787	2.124	0.00163	Resident
R0783	488,040	3,627,787	2.232	0.00171	Resident
R0784	488,065	3,627,787	2.355	0.00180	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0785	488,090	3,627,787	2.474	0.00190	Resident
R0786	488,115	3,627,787	2.616	0.00200	Resident
R0787	488,140	3,627,787	2.953	0.00226	Resident
R0788	488,165	3,627,787	3.312	0.00254	Resident
R0789	488,190	3,627,787	3.402	0.00261	Resident
R0790	488,215	3,627,787	3.443	0.00264	Resident
R0791	488,240	3,627,787	3.837	0.00294	Resident
R0792	488,265	3,627,787	4.122	0.00316	Resident
R0793	488,290	3,627,787	4.244	0.00325	Resident
R0794	488,315	3,627,787	4.001	0.00307	Resident
R0795	488,340	3,627,787	4.006	0.00307	Resident
R0796	488,365	3,627,787	4.148	0.00318	Resident
R0797	488,390	3,627,787	4.323	0.00331	Resident
R0798	488,415	3,627,787	4.522	0.00347	Resident
R0799	488,440	3,627,787	4.745	0.00364	Resident
R0800	488,465	3,627,787	4.979	0.00382	Resident
R0801	488,490	3,627,787	5.219	0.00400	Resident
R0802	488,515	3,627,787	5.473	0.00419	Resident
R0803	488,540	3,627,787	5.744	0.00440	Resident
R0804	488,565	3,627,787	6.047	0.00463	Resident
R0805	488,590	3,627,787	6.366	0.00488	Resident
R0806	488,615	3,627,787	7.068	0.00542	Resident
R0807	488,640	3,627,787	8.258	0.00633	Resident
R0808	488,665	3,627,787	8.346	0.00640	Resident
R0809	488,690	3,627,787	10.204	0.00782	Resident
R0810	488,715	3,627,787	11.639	0.00892	Resident
R0811	488,740	3,627,787	11.309	0.00867	Resident
R0812	488,765	3,627,787	9.355	0.00717	Resident
R0813	488,790	3,627,787	8.616	0.00660	Resident
R0814	488,815	3,627,787	8.531	0.00654	Resident
R0815	488,840	3,627,787	8.765	0.00672	Resident
R0816	488,865	3,627,787	9.214	0.00706	Resident
R0817	488,890	3,627,787	9.830	0.00753	Resident
R0818	488,915	3,627,787	10.540	0.00808	Resident
R0819	488,940	3,627,787	11.802	0.00904	Resident
R0820	488,965	3,627,787	13.485	0.01033	Resident
R0821	488,990	3,627,787	15.521	0.01189	Resident
R0822	489,015	3,627,787	15.974	0.01224	Resident
R0823	489,040	3,627,787	16.243	0.01245	Resident
R0824	489,065	3,627,787	1.766	0.01221	Worker
R0825	489,090	3,627,787	1.756	0.01214	Worker
R0826	489,115	3,627,787	1.755	0.01213	Worker
R0827	489,140	3,627,787	1.735	0.01200	Worker
R0828	489,165	3,627,787	1.701	0.01176	Worker
R0829	489,190	3,627,787	1.661	0.01148	Worker
R0830	489,215	3,627,787	1.616	0.01118	Worker
R0831	489,240	3,627,787	1.569	0.01085	Worker
R0832	489,265	3,627,787	1.495	0.01034	Worker
R0833	489,290	3,627,787	1.458	0.01008	Worker
R0834	489,315	3,627,787	1.407	0.00973	Worker
R0835	489,340	3,627,787	12.227	0.00937	Resident
R0836	489,365	3,627,787	11.830	0.00907	Resident
R0837	489,390	3,627,787	11.280	0.00864	Resident
R0838	489,415	3,627,787	9.643	0.00739	Resident
R0839	489,440	3,627,787	8.970	0.00687	Resident
R0840	489,465	3,627,787	8.505	0.00652	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0841	489,490	3,627,787	8.187	0.00627	Resident
R0842	489,515	3,627,787	7.837	0.00601	Resident
R0843	489,540	3,627,787	7.493	0.00574	Resident
R0844	489,565	3,627,787	7.209	0.00552	Resident
R0845	489,590	3,627,787	6.898	0.00529	Resident
R0846	489,615	3,627,787	6.641	0.00509	Resident
R0847	489,640	3,627,787	6.384	0.00489	Resident
R0848	489,665	3,627,787	6.073	0.00465	Resident
R0849	487,840	3,627,762	1.794	0.00137	Resident
R0850	487,865	3,627,762	1.861	0.00143	Resident
R0851	487,890	3,627,762	1.924	0.00147	Resident
R0852	487,915	3,627,762	1.982	0.00152	Resident
R0853	487,940	3,627,762	2.041	0.00156	Resident
R0854	487,965	3,627,762	2.111	0.00162	Resident
R0855	487,990	3,627,762	2.197	0.00168	Resident
R0856	488,015	3,627,762	2.289	0.00175	Resident
R0857	488,040	3,627,762	2.427	0.00186	Resident
R0858	488,065	3,627,762	2.622	0.00201	Resident
R0859	488,090	3,627,762	2.799	0.00215	Resident
R0860	488,115	3,627,762	2.986	0.00229	Resident
R0861	488,140	3,627,762	3.326	0.00255	Resident
R0862	488,165	3,627,762	3.575	0.00274	Resident
R0863	488,190	3,627,762	3.680	0.00282	Resident
R0864	488,215	3,627,762	3.887	0.00298	Resident
R0865	488,240	3,627,762	4.177	0.00320	Resident
R0866	488,265	3,627,762	4.549	0.00349	Resident
R0867	488,290	3,627,762	4.788	0.00367	Resident
R0868	488,315	3,627,762	4.603	0.00353	Resident
R0869	488,340	3,627,762	4.523	0.00347	Resident
R0870	488,365	3,627,762	4.610	0.00353	Resident
R0871	488,390	3,627,762	4.773	0.00366	Resident
R0872	488,415	3,627,762	4.993	0.00383	Resident
R0873	488,440	3,627,762	5.240	0.00402	Resident
R0874	488,465	3,627,762	5.510	0.00422	Resident
R0875	488,490	3,627,762	5.803	0.00445	Resident
R0876	488,515	3,627,762	6.117	0.00469	Resident
R0877	488,540	3,627,762	6.479	0.00496	Resident
R0878	488,565	3,627,762	6.935	0.00531	Resident
R0879	488,590	3,627,762	7.583	0.00581	Resident
R0880	488,615	3,627,762	8.419	0.00645	Resident
R0881	488,640	3,627,762	9.780	0.00750	Resident
R0882	488,665	3,627,762	11.081	0.00849	Resident
R0883	488,690	3,627,762	12.805	0.00981	Resident
R0884	488,715	3,627,762	13.773	0.01055	Resident
R0885	488,740	3,627,762	14.079	0.01079	Resident
R0886	488,765	3,627,762	12.144	0.00931	Resident
R0887	488,790	3,627,762	11.334	0.00869	Resident
R0888	488,815	3,627,762	11.312	0.00867	Resident
R0889	488,840	3,627,762	11.714	0.00898	Resident
R0890	488,865	3,627,762	12.609	0.00966	Resident
R0891	488,890	3,627,762	13.399	0.01027	Resident
R0892	488,915	3,627,762	14.553	0.01115	Resident
R0893	488,940	3,627,762	15.975	0.01224	Resident
R0894	488,965	3,627,762	16.966	0.01300	Resident
R0895	488,990	3,627,762	18.820	0.01442	Resident
R0896	489,015	3,627,762	19.055	0.01460	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0897	489,040	3,627,762	19.072	0.01462	Resident
R0898	489,065	3,627,762	2.096	0.01449	Worker
R0899	489,090	3,627,762	2.086	0.01443	Worker
R0900	489,115	3,627,762	2.054	0.01420	Worker
R0901	489,140	3,627,762	2.010	0.01390	Worker
R0902	489,165	3,627,762	1.959	0.01354	Worker
R0903	489,190	3,627,762	1.901	0.01315	Worker
R0904	489,215	3,627,762	1.838	0.01271	Worker
R0905	489,240	3,627,762	1.762	0.01218	Worker
R0906	489,265	3,627,762	1.671	0.01156	Worker
R0907	489,290	3,627,762	1.625	0.01124	Worker
R0908	489,315	3,627,762	1.558	0.01077	Worker
R0909	489,340	3,627,762	13.468	0.01032	Resident
R0910	489,365	3,627,762	12.986	0.00995	Resident
R0911	489,390	3,627,762	11.028	0.00845	Resident
R0912	489,415	3,627,762	10.249	0.00785	Resident
R0913	489,440	3,627,762	9.627	0.00738	Resident
R0914	489,465	3,627,762	8.890	0.00681	Resident
R0915	489,490	3,627,762	8.580	0.00658	Resident
R0916	489,515	3,627,762	8.339	0.00639	Resident
R0917	489,540	3,627,762	7.871	0.00603	Resident
R0918	489,565	3,627,762	7.505	0.00575	Resident
R0919	489,590	3,627,762	7.181	0.00550	Resident
R0920	489,615	3,627,762	6.947	0.00532	Resident
R0921	489,640	3,627,762	6.765	0.00518	Resident
R0922	489,665	3,627,762	6.367	0.00488	Resident
R0923	489,690	3,627,762	6.032	0.00462	Resident
R0924	487,840	3,627,737	2.024	0.00155	Resident
R0925	487,865	3,627,737	2.092	0.00160	Resident
R0926	487,890	3,627,737	2.161	0.00166	Resident
R0927	487,915	3,627,737	2.304	0.00177	Resident
R0928	487,940	3,627,737	2.369	0.00182	Resident
R0929	487,965	3,627,737	2.448	0.00188	Resident
R0930	487,990	3,627,737	2.538	0.00194	Resident
R0931	488,015	3,627,737	2.640	0.00202	Resident
R0932	488,040	3,627,737	2.809	0.00215	Resident
R0933	488,065	3,627,737	3.060	0.00234	Resident
R0934	488,090	3,627,737	3.232	0.00248	Resident
R0935	488,115	3,627,737	3.454	0.00265	Resident
R0936	488,140	3,627,737	3.722	0.00285	Resident
R0937	488,165	3,627,737	4.197	0.00322	Resident
R0938	488,190	3,627,737	4.350	0.00333	Resident
R0939	488,215	3,627,737	4.615	0.00354	Resident
R0940	488,240	3,627,737	4.916	0.00377	Resident
R0941	488,265	3,627,737	5.301	0.00406	Resident
R0942	488,290	3,627,737	5.590	0.00428	Resident
R0943	488,315	3,627,737	5.611	0.00430	Resident
R0944	488,340	3,627,737	5.444	0.00417	Resident
R0945	488,365	3,627,737	5.379	0.00412	Resident
R0946	488,390	3,627,737	5.468	0.00419	Resident
R0947	488,415	3,627,737	5.693	0.00436	Resident
R0948	488,440	3,627,737	6.048	0.00463	Resident
R0949	488,465	3,627,737	6.461	0.00495	Resident
R0950	488,490	3,627,737	6.873	0.00527	Resident
R0951	488,515	3,627,737	7.312	0.00560	Resident
R0952	488,540	3,627,737	7.764	0.00595	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0953	488,565	3,627,737	8.213	0.00629	Resident
R0954	488,590	3,627,737	8.820	0.00676	Resident
R0955	488,615	3,627,737	10.340	0.00792	Resident
R0956	488,640	3,627,737	12.387	0.00949	Resident
R0957	488,665	3,627,737	14.847	0.01138	Resident
R0958	488,690	3,627,737	15.567	0.01193	Resident
R0959	488,715	3,627,737	15.973	0.01224	Resident
R0960	488,740	3,627,737	16.393	0.01256	Resident
R0961	488,765	3,627,737	16.490	0.01264	Resident
R0962	488,790	3,627,737	15.617	0.01197	Resident
R0963	488,815	3,627,737	15.823	0.01213	Resident
R0964	488,840	3,627,737	16.391	0.01256	Resident
R0965	488,865	3,627,737	17.586	0.01348	Resident
R0966	488,890	3,627,737	19.543	0.01498	Resident
R0967	488,915	3,627,737	20.720	0.01588	Resident
R0968	488,940	3,627,737	21.436	0.01643	Resident
R0969	488,965	3,627,737	22.152	0.01698	Resident
R0970	488,990	3,627,737	22.753	0.01744	Resident
R0971	489,015	3,627,737	2.556	0.01767	Worker
R0972	489,040	3,627,737	2.490	0.01722	Worker
R0973	489,065	3,627,737	2.507	0.01733	Worker
R0974	489,090	3,627,737	2.461	0.01701	Worker
R0975	489,115	3,627,737	2.385	0.01649	Worker
R0976	489,140	3,627,737	2.310	0.01597	Worker
R0977	489,165	3,627,737	2.227	0.01540	Worker
R0978	489,190	3,627,737	2.149	0.01486	Worker
R0979	489,215	3,627,737	2.081	0.01439	Worker
R0980	489,240	3,627,737	2.009	0.01389	Worker
R0981	489,265	3,627,737	1.897	0.01312	Worker
R0982	489,290	3,627,737	1.824	0.01261	Worker
R0983	489,315	3,627,737	15.660	0.01200	Resident
R0984	489,340	3,627,737	14.983	0.01148	Resident
R0985	489,365	3,627,737	14.178	0.01087	Resident
R0986	489,390	3,627,737	11.370	0.00871	Resident
R0987	489,415	3,627,737	10.898	0.00835	Resident
R0988	489,440	3,627,737	10.315	0.00790	Resident
R0989	489,465	3,627,737	9.596	0.00735	Resident
R0990	489,490	3,627,737	9.068	0.00695	Resident
R0991	489,515	3,627,737	8.844	0.00678	Resident
R0992	489,540	3,627,737	8.302	0.00636	Resident
R0993	489,565	3,627,737	7.864	0.00603	Resident
R0994	489,590	3,627,737	7.562	0.00580	Resident
R0995	489,615	3,627,737	7.221	0.00553	Resident
R0996	489,640	3,627,737	7.103	0.00544	Resident
R0997	489,665	3,627,737	6.676	0.00512	Resident
R0998	489,690	3,627,737	6.296	0.00482	Resident
R0999	487,840	3,627,712	2.334	0.00179	Resident
R1000	487,865	3,627,712	2.418	0.00185	Resident
R1001	487,890	3,627,712	2.506	0.00192	Resident
R1002	487,915	3,627,712	2.631	0.00202	Resident
R1003	487,940	3,627,712	2.819	0.00216	Resident
R1004	487,965	3,627,712	2.918	0.00224	Resident
R1005	487,990	3,627,712	3.028	0.00232	Resident
R1006	488,015	3,627,712	3.178	0.00244	Resident
R1007	488,040	3,627,712	3.351	0.00257	Resident
R1008	488,065	3,627,712	3.522	0.00270	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1009	488,090	3,627,712	3.761	0.00288	Resident
R1010	488,115	3,627,712	3.987	0.00306	Resident
R1011	488,140	3,627,712	4.204	0.00322	Resident
R1012	488,165	3,627,712	4.540	0.00348	Resident
R1013	488,190	3,627,712	4.808	0.00368	Resident
R1014	488,215	3,627,712	5.133	0.00393	Resident
R1015	488,240	3,627,712	5.525	0.00423	Resident
R1016	488,265	3,627,712	5.939	0.00455	Resident
R1017	488,290	3,627,712	6.190	0.00474	Resident
R1018	488,315	3,627,712	6.536	0.00501	Resident
R1019	488,340	3,627,712	6.912	0.00530	Resident
R1020	488,365	3,627,712	6.571	0.00504	Resident
R1021	488,390	3,627,712	6.660	0.00510	Resident
R1022	488,415	3,627,712	7.156	0.00548	Resident
R1023	488,440	3,627,712	7.750	0.00594	Resident
R1024	488,465	3,627,712	8.381	0.00642	Resident
R1025	488,490	3,627,712	9.101	0.00697	Resident
R1026	488,515	3,627,712	9.844	0.00754	Resident
R1027	488,540	3,627,712	10.591	0.00812	Resident
R1028	488,565	3,627,712	11.387	0.00873	Resident
R1029	488,590	3,627,712	12.356	0.00947	Resident
R1030	488,615	3,627,712	14.261	0.01093	Resident
R1031	488,640	3,627,712	16.977	0.01301	Resident
R1032	488,665	3,627,712	17.842	0.01367	Resident
R1033	488,690	3,627,712	18.272	0.01400	Resident
R1034	488,715	3,627,712	18.693	0.01433	Resident
R1035	488,740	3,627,712	19.114	0.01465	Resident
R1036	488,765	3,627,712	19.564	0.01499	Resident
R1037	488,790	3,627,712	20.066	0.01538	Resident
R1038	488,815	3,627,712	20.678	0.01585	Resident
R1039	488,840	3,627,712	21.442	0.01643	Resident
R1040	488,865	3,627,712	22.330	0.01711	Resident
R1041	488,890	3,627,712	23.452	0.01797	Resident
R1042	488,915	3,627,712	24.942	0.01911	Resident
R1043	488,940	3,627,712	2.939	0.02032	Worker
R1044	488,965	3,627,712	3.100	0.02143	Worker
R1045	488,990	3,627,712	3.206	0.02217	Worker
R1046	489,015	3,627,712	3.167	0.02190	Worker
R1047	489,040	3,627,712	3.079	0.02129	Worker
R1048	489,065	3,627,712	3.031	0.02096	Worker
R1049	489,090	3,627,712	2.959	0.02045	Worker
R1050	489,115	3,627,712	2.867	0.01982	Worker
R1051	489,140	3,627,712	2.765	0.01912	Worker
R1052	489,165	3,627,712	2.638	0.01824	Worker
R1053	489,190	3,627,712	2.521	0.01743	Worker
R1054	489,215	3,627,712	2.402	0.01660	Worker
R1055	489,240	3,627,712	2.283	0.01578	Worker
R1056	489,265	3,627,712	2.176	0.01505	Worker
R1057	489,290	3,627,712	2.063	0.01426	Worker
R1058	489,315	3,627,712	17.558	0.01346	Resident
R1059	489,340	3,627,712	16.743	0.01283	Resident
R1060	489,365	3,627,712	14.465	0.01109	Resident
R1061	489,390	3,627,712	12.280	0.00941	Resident
R1062	489,415	3,627,712	11.672	0.00895	Resident
R1063	489,440	3,627,712	11.108	0.00851	Resident
R1064	489,465	3,627,712	10.359	0.00794	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1065	489,490	3,627,712	9.656	0.00740	Resident
R1066	489,515	3,627,712	9.399	0.00720	Resident
R1067	489,540	3,627,712	8.759	0.00671	Resident
R1068	489,565	3,627,712	8.354	0.00640	Resident
R1069	489,590	3,627,712	8.007	0.00614	Resident
R1070	489,615	3,627,712	7.720	0.00592	Resident
R1071	489,640	3,627,712	7.526	0.00577	Resident
R1072	489,665	3,627,712	7.105	0.00544	Resident
R1073	489,690	3,627,712	6.696	0.00513	Resident
R1074	487,815	3,627,687	2.473	0.00190	Resident
R1075	487,840	3,627,687	2.596	0.00199	Resident
R1076	487,865	3,627,687	2.713	0.00208	Resident
R1077	487,890	3,627,687	2.836	0.00217	Resident
R1078	487,915	3,627,687	2.957	0.00227	Resident
R1079	487,940	3,627,687	3.028	0.00232	Resident
R1080	487,965	3,627,687	3.195	0.00245	Resident
R1081	487,990	3,627,687	3.332	0.00255	Resident
R1082	488,015	3,627,687	3.472	0.00266	Resident
R1083	488,040	3,627,687	3.634	0.00279	Resident
R1084	488,065	3,627,687	3.829	0.00293	Resident
R1085	488,090	3,627,687	4.091	0.00313	Resident
R1086	488,115	3,627,687	4.319	0.00331	Resident
R1087	488,140	3,627,687	4.584	0.00351	Resident
R1088	488,165	3,627,687	4.858	0.00372	Resident
R1089	488,190	3,627,687	5.247	0.00402	Resident
R1090	488,215	3,627,687	5.641	0.00432	Resident
R1091	488,240	3,627,687	5.959	0.00457	Resident
R1092	488,265	3,627,687	6.449	0.00494	Resident
R1093	488,290	3,627,687	6.914	0.00530	Resident
R1094	488,315	3,627,687	7.282	0.00558	Resident
R1095	488,340	3,627,687	7.979	0.00611	Resident
R1096	488,365	3,627,687	8.497	0.00651	Resident
R1097	488,390	3,627,687	9.107	0.00698	Resident
R1098	488,415	3,627,687	10.208	0.00782	Resident
R1099	488,440	3,627,687	11.322	0.00868	Resident
R1100	488,465	3,627,687	12.448	0.00954	Resident
R1101	488,490	3,627,687	13.570	0.01040	Resident
R1102	488,515	3,627,687	14.774	0.01132	Resident
R1103	488,540	3,627,687	15.962	0.01223	Resident
R1104	488,565	3,627,687	17.041	0.01306	Resident
R1105	488,590	3,627,687	18.130	0.01389	Resident
R1106	488,615	3,627,687	20.207	0.01549	Resident
R1107	488,640	3,627,687	20.688	0.01585	Resident
R1108	488,665	3,627,687	21.182	0.01623	Resident
R1109	488,690	3,627,687	21.670	0.01661	Resident
R1110	488,715	3,627,687	22.132	0.01696	Resident
R1111	488,740	3,627,687	22.569	0.01730	Resident
R1112	488,765	3,627,687	22.872	0.01753	Resident
R1113	488,790	3,627,687	23.226	0.01780	Resident
R1114	488,815	3,627,687	23.924	0.01833	Resident
R1115	488,840	3,627,687	25.144	0.01927	Resident
R1116	488,865	3,627,687	2.973	0.02055	Worker
R1117	488,890	3,627,687	3.219	0.02226	Worker
R1118	488,915	3,627,687	3.575	0.02472	Worker
R1119	488,940	3,627,687	3.953	0.02733	Worker
R1120	488,965	3,627,687	4.275	0.02956	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1121	488,990	3,627,687	4.436	0.03067	Worker
R1122	489,015	3,627,687	4.327	0.02991	Worker
R1123	489,040	3,627,687	4.115	0.02845	Worker
R1124	489,065	3,627,687	3.962	0.02739	Worker
R1125	489,090	3,627,687	3.786	0.02617	Worker
R1126	489,115	3,627,687	3.604	0.02492	Worker
R1127	489,140	3,627,687	3.419	0.02364	Worker
R1128	489,165	3,627,687	3.209	0.02219	Worker
R1129	489,190	3,627,687	3.025	0.02091	Worker
R1130	489,215	3,627,687	2.838	0.01962	Worker
R1131	489,240	3,627,687	2.656	0.01836	Worker
R1132	489,265	3,627,687	2.545	0.01759	Worker
R1133	489,290	3,627,687	2.355	0.01628	Worker
R1134	489,315	3,627,687	19.816	0.01519	Resident
R1135	489,340	3,627,687	18.744	0.01436	Resident
R1136	489,365	3,627,687	15.619	0.01197	Resident
R1137	489,390	3,627,687	13.372	0.01025	Resident
R1138	489,415	3,627,687	12.629	0.00968	Resident
R1139	489,440	3,627,687	12.002	0.00920	Resident
R1140	489,465	3,627,687	11.297	0.00866	Resident
R1141	489,490	3,627,687	10.790	0.00827	Resident
R1142	489,515	3,627,687	10.135	0.00777	Resident
R1143	489,540	3,627,687	9.650	0.00740	Resident
R1144	489,565	3,627,687	8.901	0.00682	Resident
R1145	489,590	3,627,687	8.571	0.00657	Resident
R1146	489,615	3,627,687	8.238	0.00631	Resident
R1147	489,640	3,627,687	7.936	0.00608	Resident
R1148	489,665	3,627,687	7.526	0.00577	Resident
R1149	489,690	3,627,687	7.055	0.00541	Resident
R1150	487,815	3,627,662	2.551	0.00196	Resident
R1151	487,840	3,627,662	2.667	0.00204	Resident
R1152	487,865	3,627,662	2.787	0.00214	Resident
R1153	487,890	3,627,662	2.921	0.00224	Resident
R1154	487,915	3,627,662	3.054	0.00234	Resident
R1155	487,940	3,627,662	3.128	0.00240	Resident
R1156	487,965	3,627,662	3.404	0.00261	Resident
R1157	487,990	3,627,662	3.586	0.00275	Resident
R1158	488,015	3,627,662	3.731	0.00286	Resident
R1159	488,040	3,627,662	3.932	0.00301	Resident
R1160	488,065	3,627,662	4.111	0.00315	Resident
R1161	488,090	3,627,662	4.379	0.00336	Resident
R1162	488,115	3,627,662	4.660	0.00357	Resident
R1163	488,140	3,627,662	4.974	0.00381	Resident
R1164	488,165	3,627,662	5.322	0.00408	Resident
R1165	488,190	3,627,662	5.661	0.00434	Resident
R1166	488,215	3,627,662	6.081	0.00466	Resident
R1167	488,240	3,627,662	6.521	0.00500	Resident
R1168	488,265	3,627,662	7.052	0.00540	Resident
R1169	488,290	3,627,662	7.632	0.00585	Resident
R1170	488,315	3,627,662	8.294	0.00636	Resident
R1171	488,340	3,627,662	9.870	0.00756	Resident
R1172	488,365	3,627,662	11.785	0.00903	Resident
R1173	488,390	3,627,662	14.381	0.01102	Resident
R1174	488,415	3,627,662	16.169	0.01239	Resident
R1175	488,440	3,627,662	17.964	0.01377	Resident
R1176	488,465	3,627,662	19.409	0.01487	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1177	488,490	3,627,662	20.563	0.01576	Resident
R1178	488,515	3,627,662	21.534	0.01650	Resident
R1179	488,540	3,627,662	22.376	0.01715	Resident
R1180	488,565	3,627,662	23.104	0.01771	Resident
R1181	488,590	3,627,662	23.860	0.01829	Resident
R1182	488,615	3,627,662	24.642	0.01888	Resident
R1183	488,640	3,627,662	25.197	0.01931	Resident
R1184	488,665	3,627,662	25.786	0.01976	Resident
R1185	488,690	3,627,662	26.223	0.02010	Resident
R1186	488,715	3,627,662	26.386	0.02022	Resident
R1187	488,740	3,627,662	26.556	0.02035	Resident
R1188	488,765	3,627,662	26.748	0.02050	Resident
R1189	488,790	3,627,662	3.046	0.02106	Worker
R1190	488,815	3,627,662	3.190	0.02205	Worker
R1191	488,840	3,627,662	3.407	0.02356	Worker
R1192	488,865	3,627,662	3.755	0.02596	Worker
R1193	488,890	3,627,662	4.302	0.02974	Worker
R1194	489,040	3,627,662	6.303	0.04358	Worker
R1195	489,065	3,627,662	5.843	0.04040	Worker
R1196	489,090	3,627,662	5.375	0.03716	Worker
R1197	489,115	3,627,662	4.881	0.03374	Worker
R1198	489,140	3,627,662	4.447	0.03075	Worker
R1199	489,165	3,627,662	4.095	0.02831	Worker
R1200	489,190	3,627,662	3.741	0.02586	Worker
R1201	489,215	3,627,662	3.448	0.02384	Worker
R1202	489,240	3,627,662	3.145	0.02174	Worker
R1203	489,265	3,627,662	2.973	0.02056	Worker
R1204	489,290	3,627,662	2.713	0.01876	Worker
R1205	489,315	3,627,662	22.525	0.01726	Resident
R1206	489,340	3,627,662	21.101	0.01617	Resident
R1207	489,365	3,627,662	17.322	0.01328	Resident
R1208	489,390	3,627,662	14.941	0.01145	Resident
R1209	489,415	3,627,662	13.911	0.01066	Resident
R1210	489,440	3,627,662	13.094	0.01003	Resident
R1211	489,465	3,627,662	12.537	0.00961	Resident
R1212	489,490	3,627,662	11.857	0.00909	Resident
R1213	489,515	3,627,662	11.068	0.00848	Resident
R1214	489,540	3,627,662	10.512	0.00806	Resident
R1215	489,565	3,627,662	9.802	0.00751	Resident
R1216	489,590	3,627,662	9.291	0.00712	Resident
R1217	489,615	3,627,662	8.810	0.00675	Resident
R1218	489,640	3,627,662	8.428	0.00646	Resident
R1219	489,665	3,627,662	7.998	0.00613	Resident
R1220	489,690	3,627,662	7.593	0.00582	Resident
R1221	489,715	3,627,662	7.228	0.00554	Resident
R1222	487,815	3,627,637	2.598	0.00199	Resident
R1223	487,840	3,627,637	2.732	0.00209	Resident
R1224	487,865	3,627,637	2.853	0.00219	Resident
R1225	487,890	3,627,637	3.002	0.00230	Resident
R1226	487,915	3,627,637	3.142	0.00241	Resident
R1227	487,940	3,627,637	3.249	0.00249	Resident
R1228	487,965	3,627,637	3.512	0.00269	Resident
R1229	487,990	3,627,637	3.792	0.00291	Resident
R1230	488,015	3,627,637	3.992	0.00306	Resident
R1231	488,040	3,627,637	4.199	0.00322	Resident
R1232	488,065	3,627,637	4.430	0.00339	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1233	488,090	3,627,637	4.681	0.00359	Resident
R1234	488,115	3,627,637	4.959	0.00380	Resident
R1235	488,140	3,627,637	5.303	0.00406	Resident
R1236	488,165	3,627,637	5.697	0.00437	Resident
R1237	488,190	3,627,637	6.052	0.00464	Resident
R1238	488,215	3,627,637	6.550	0.00502	Resident
R1239	488,240	3,627,637	7.132	0.00547	Resident
R1240	488,265	3,627,637	7.811	0.00599	Resident
R1241	488,290	3,627,637	8.541	0.00655	Resident
R1242	488,315	3,627,637	9.966	0.00764	Resident
R1243	488,340	3,627,637	14.404	0.01104	Resident
R1244	488,365	3,627,637	16.843	0.01291	Resident
R1245	488,390	3,627,637	19.160	0.01468	Resident
R1246	488,415	3,627,637	21.511	0.01648	Resident
R1247	488,440	3,627,637	23.676	0.01814	Resident
R1248	488,465	3,627,637	25.451	0.01950	Resident
R1249	488,490	3,627,637	26.866	0.02059	Resident
R1250	488,515	3,627,637	27.994	0.02145	Resident
R1251	488,540	3,627,637	28.939	0.02218	Resident
R1252	488,565	3,627,637	29.671	0.02274	Resident
R1253	488,590	3,627,637	30.519	0.02339	Resident
R1254	488,615	3,627,637	30.972	0.02374	Resident
R1255	488,640	3,627,637	31.709	0.02430	Resident
R1256	488,665	3,627,637	31.834	0.02440	Resident
R1257	488,690	3,627,637	32.179	0.02466	Resident
R1258	488,715	3,627,637	3.595	0.02486	Worker
R1259	488,740	3,627,637	3.655	0.02527	Worker
R1260	488,765	3,627,637	3.681	0.02545	Worker
R1261	488,790	3,627,637	3.783	0.02616	Worker
R1262	488,815	3,627,637	3.996	0.02763	Worker
R1263	488,840	3,627,637	4.425	0.03060	Worker
R1264	488,865	3,627,637	5.125	0.03544	Worker
R1265	489,115	3,627,637	7.314	0.05057	Worker
R1266	489,140	3,627,637	6.581	0.04550	Worker
R1267	489,165	3,627,637	5.746	0.03973	Worker
R1268	489,190	3,627,637	4.933	0.03411	Worker
R1269	489,215	3,627,637	4.367	0.03020	Worker
R1270	489,240	3,627,637	3.850	0.02662	Worker
R1271	489,265	3,627,637	3.526	0.02438	Worker
R1272	489,290	3,627,637	3.155	0.02182	Worker
R1273	489,315	3,627,637	25.776	0.01975	Resident
R1274	489,340	3,627,637	23.936	0.01834	Resident
R1275	489,365	3,627,637	19.720	0.01511	Resident
R1276	489,390	3,627,637	17.763	0.01361	Resident
R1277	489,415	3,627,637	15.730	0.01205	Resident
R1278	489,440	3,627,637	14.518	0.01113	Resident
R1279	489,465	3,627,637	13.672	0.01048	Resident
R1280	489,490	3,627,637	12.851	0.00985	Resident
R1281	489,515	3,627,637	12.141	0.00930	Resident
R1282	489,540	3,627,637	11.574	0.00887	Resident
R1283	489,565	3,627,637	10.821	0.00829	Resident
R1284	489,590	3,627,637	10.254	0.00786	Resident
R1285	489,615	3,627,637	9.672	0.00741	Resident
R1286	489,640	3,627,637	9.168	0.00703	Resident
R1287	489,665	3,627,637	8.797	0.00674	Resident
R1288	489,690	3,627,637	8.386	0.00643	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1289	489,715	3,627,637	8.125	0.00623	Resident
R1290	487,790	3,627,612	2.573	0.00197	Resident
R1291	487,815	3,627,612	2.695	0.00207	Resident
R1292	487,840	3,627,612	2.814	0.00216	Resident
R1293	487,865	3,627,612	2.939	0.00225	Resident
R1294	487,890	3,627,612	3.094	0.00237	Resident
R1295	487,915	3,627,612	3.240	0.00248	Resident
R1296	487,940	3,627,612	3.389	0.00260	Resident
R1297	487,965	3,627,612	3.623	0.00278	Resident
R1298	487,990	3,627,612	3.927	0.00301	Resident
R1299	488,015	3,627,612	4.157	0.00319	Resident
R1300	488,040	3,627,612	4.382	0.00336	Resident
R1301	488,065	3,627,612	4.629	0.00355	Resident
R1302	488,090	3,627,612	4.898	0.00375	Resident
R1303	488,115	3,627,612	5.231	0.00401	Resident
R1304	488,140	3,627,612	5.588	0.00428	Resident
R1305	488,165	3,627,612	5.976	0.00458	Resident
R1306	488,190	3,627,612	6.484	0.00497	Resident
R1307	488,215	3,627,612	7.122	0.00546	Resident
R1308	488,240	3,627,612	8.074	0.00619	Resident
R1309	488,265	3,627,612	8.886	0.00681	Resident
R1310	488,290	3,627,612	9.658	0.00740	Resident
R1311	488,315	3,627,612	11.797	0.00904	Resident
R1312	488,340	3,627,612	18.730	0.01435	Resident
R1313	488,365	3,627,612	22.695	0.01739	Resident
R1314	488,390	3,627,612	27.177	0.02083	Resident
R1315	488,415	3,627,612	31.561	0.02419	Resident
R1316	488,440	3,627,612	35.070	0.02688	Resident
R1317	488,465	3,627,612	37.518	0.02875	Resident
R1318	488,490	3,627,612	39.194	0.03004	Resident
R1319	488,515	3,627,612	40.428	0.03098	Resident
R1320	488,540	3,627,612	41.333	0.03168	Resident
R1321	488,565	3,627,612	42.086	0.03225	Resident
R1322	488,590	3,627,612	42.875	0.03286	Resident
R1323	488,615	3,627,612	43.644	0.03345	Resident
R1324	488,640	3,627,612	4.921	0.03402	Worker
R1325	488,665	3,627,612	4.984	0.03446	Worker
R1326	488,690	3,627,612	5.042	0.03486	Worker
R1327	488,715	3,627,612	5.077	0.03510	Worker
R1328	488,740	3,627,612	5.024	0.03474	Worker
R1329	488,765	3,627,612	4.801	0.03319	Worker
R1330	488,790	3,627,612	4.849	0.03352	Worker
R1331	488,815	3,627,612	5.285	0.03654	Worker
R1332	489,190	3,627,612	7.613	0.05263	Worker
R1333	489,215	3,627,612	6.310	0.04362	Worker
R1334	489,240	3,627,612	4.917	0.03400	Worker
R1335	489,265	3,627,612	4.260	0.02945	Worker
R1336	489,290	3,627,612	3.697	0.02556	Worker
R1337	489,315	3,627,612	29.542	0.02264	Resident
R1338	489,340	3,627,612	27.184	0.02083	Resident
R1339	489,365	3,627,612	24.681	0.01891	Resident
R1340	489,390	3,627,612	22.508	0.01725	Resident
R1341	489,415	3,627,612	20.757	0.01591	Resident
R1342	489,440	3,627,612	19.044	0.01459	Resident
R1343	489,465	3,627,612	16.190	0.01241	Resident
R1344	489,490	3,627,612	14.582	0.01117	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1345	489,515	3,627,612	13.452	0.01031	Resident
R1346	489,540	3,627,612	12.759	0.00978	Resident
R1347	489,565	3,627,612	11.951	0.00916	Resident
R1348	489,590	3,627,612	11.159	0.00855	Resident
R1349	489,615	3,627,612	10.533	0.00807	Resident
R1350	489,640	3,627,612	9.934	0.00761	Resident
R1351	489,665	3,627,612	9.941	0.00762	Resident
R1352	489,690	3,627,612	9.535	0.00731	Resident
R1353	489,715	3,627,612	9.180	0.00703	Resident
R1354	487,790	3,627,587	2.654	0.00203	Resident
R1355	487,815	3,627,587	2.778	0.00213	Resident
R1356	487,840	3,627,587	2.896	0.00222	Resident
R1357	487,865	3,627,587	3.047	0.00234	Resident
R1358	487,890	3,627,587	3.199	0.00245	Resident
R1359	487,915	3,627,587	3.366	0.00258	Resident
R1360	487,940	3,627,587	3.554	0.00272	Resident
R1361	487,965	3,627,587	3.781	0.00290	Resident
R1362	487,990	3,627,587	4.073	0.00312	Resident
R1363	488,015	3,627,587	4.342	0.00333	Resident
R1364	488,040	3,627,587	4.664	0.00357	Resident
R1365	488,065	3,627,587	4.807	0.00368	Resident
R1366	488,090	3,627,587	5.085	0.00390	Resident
R1367	488,115	3,627,587	5.445	0.00417	Resident
R1368	488,140	3,627,587	5.903	0.00452	Resident
R1369	488,165	3,627,587	6.370	0.00488	Resident
R1370	488,190	3,627,587	7.138	0.00547	Resident
R1371	488,215	3,627,587	8.126	0.00623	Resident
R1372	488,240	3,627,587	9.395	0.00720	Resident
R1373	488,265	3,627,587	10.625	0.00814	Resident
R1374	488,290	3,627,587	12.301	0.00943	Resident
R1375	488,315	3,627,587	16.267	0.01247	Resident
R1376	488,340	3,627,587	27.480	0.02106	Resident
R1377	488,365	3,627,587	34.581	0.02650	Resident
R1378	488,390	3,627,587	41.597	0.03188	Resident
R1379	488,740	3,627,587	7.225	0.04995	Worker
R1380	488,765	3,627,587	6.330	0.04377	Worker
R1381	488,790	3,627,587	6.282	0.04343	Worker
R1382	489,240	3,627,587	6.557	0.04533	Worker
R1383	489,265	3,627,587	5.154	0.03563	Worker
R1384	489,290	3,627,587	4.307	0.02978	Worker
R1385	489,315	3,627,587	33.634	0.02578	Resident
R1386	489,340	3,627,587	30.627	0.02347	Resident
R1387	489,365	3,627,587	27.428	0.02102	Resident
R1388	489,390	3,627,587	24.606	0.01886	Resident
R1389	489,415	3,627,587	22.540	0.01727	Resident
R1390	489,440	3,627,587	20.903	0.01602	Resident
R1391	489,465	3,627,587	19.331	0.01481	Resident
R1392	489,490	3,627,587	17.958	0.01376	Resident
R1393	489,515	3,627,587	16.776	0.01286	Resident
R1394	489,540	3,627,587	15.550	0.01192	Resident
R1395	489,565	3,627,587	13.485	0.01033	Resident
R1396	489,590	3,627,587	12.867	0.00986	Resident
R1397	489,615	3,627,587	11.650	0.00893	Resident
R1398	489,640	3,627,587	10.874	0.00833	Resident
R1399	489,665	3,627,587	10.905	0.00836	Resident
R1400	489,690	3,627,587	11.207	0.00859	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1401	489,715	3,627,587	10.631	0.00815	Resident
R1402	487,790	3,627,562	2.731	0.00209	Resident
R1403	487,815	3,627,562	2.861	0.00219	Resident
R1404	487,840	3,627,562	3.000	0.00230	Resident
R1405	487,865	3,627,562	3.147	0.00241	Resident
R1406	487,890	3,627,562	3.294	0.00252	Resident
R1407	487,915	3,627,562	3.533	0.00271	Resident
R1408	487,940	3,627,562	3.713	0.00285	Resident
R1409	487,965	3,627,562	3.963	0.00304	Resident
R1410	487,990	3,627,562	4.243	0.00325	Resident
R1411	488,015	3,627,562	4.569	0.00350	Resident
R1412	488,040	3,627,562	4.876	0.00374	Resident
R1413	488,065	3,627,562	5.027	0.00385	Resident
R1414	488,090	3,627,562	5.350	0.00410	Resident
R1415	488,115	3,627,562	5.811	0.00445	Resident
R1416	488,140	3,627,562	6.383	0.00489	Resident
R1417	488,165	3,627,562	7.151	0.00548	Resident
R1418	488,190	3,627,562	8.073	0.00619	Resident
R1419	488,215	3,627,562	9.159	0.00702	Resident
R1420	488,240	3,627,562	11.062	0.00848	Resident
R1421	488,265	3,627,562	14.956	0.01146	Resident
R1422	488,290	3,627,562	20.559	0.01576	Resident
R1423	488,315	3,627,562	31.121	0.02385	Resident
R1424	488,765	3,627,562	8.234	0.05693	Worker
R1425	489,240	3,627,562	7.810	0.05399	Worker
R1426	489,265	3,627,562	6.002	0.04150	Worker
R1427	489,290	3,627,562	4.918	0.03400	Worker
R1428	489,315	3,627,562	37.845	0.02900	Resident
R1429	489,340	3,627,562	34.040	0.02609	Resident
R1430	489,365	3,627,562	30.214	0.02315	Resident
R1431	489,390	3,627,562	27.072	0.02075	Resident
R1432	489,415	3,627,562	24.596	0.01885	Resident
R1433	489,440	3,627,562	22.523	0.01726	Resident
R1434	489,465	3,627,562	20.810	0.01595	Resident
R1435	489,490	3,627,562	19.419	0.01488	Resident
R1436	489,515	3,627,562	18.102	0.01387	Resident
R1437	489,540	3,627,562	16.863	0.01292	Resident
R1438	489,565	3,627,562	15.811	0.01212	Resident
R1439	489,590	3,627,562	14.819	0.01136	Resident
R1440	489,615	3,627,562	13.998	0.01073	Resident
R1441	489,640	3,627,562	13.245	0.01015	Resident
R1442	489,665	3,627,562	12.534	0.00961	Resident
R1443	489,690	3,627,562	11.892	0.00911	Resident
R1444	489,715	3,627,562	11.234	0.00861	Resident
R1445	487,790	3,627,537	2.843	0.00218	Resident
R1446	487,815	3,627,537	2.953	0.00226	Resident
R1447	487,840	3,627,537	3.080	0.00236	Resident
R1448	487,865	3,627,537	3.242	0.00248	Resident
R1449	487,890	3,627,537	3.475	0.00266	Resident
R1450	487,915	3,627,537	3.707	0.00284	Resident
R1451	487,940	3,627,537	3.950	0.00303	Resident
R1452	487,965	3,627,537	4.164	0.00319	Resident
R1453	487,990	3,627,537	4.417	0.00338	Resident
R1454	488,015	3,627,537	4.697	0.00360	Resident
R1455	488,040	3,627,537	5.078	0.00389	Resident
R1456	488,065	3,627,537	5.465	0.00419	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1457	488,090	3,627,537	5.745	0.00440	Resident
R1458	488,115	3,627,537	6.397	0.00490	Resident
R1459	488,140	3,627,537	7.033	0.00539	Resident
R1460	488,165	3,627,537	7.859	0.00602	Resident
R1461	488,190	3,627,537	8.987	0.00689	Resident
R1462	488,215	3,627,537	10.824	0.00830	Resident
R1463	488,240	3,627,537	13.864	0.01062	Resident
R1464	488,265	3,627,537	18.613	0.01426	Resident
R1465	489,240	3,627,537	8.545	0.05908	Worker
R1466	489,265	3,627,537	6.652	0.04599	Worker
R1467	489,290	3,627,537	49.218	0.03772	Resident
R1468	489,315	3,627,537	41.800	0.03203	Resident
R1469	489,340	3,627,537	36.266	0.02779	Resident
R1470	489,365	3,627,537	32.319	0.02477	Resident
R1471	489,390	3,627,537	29.242	0.02241	Resident
R1472	489,415	3,627,537	26.652	0.02042	Resident
R1473	489,440	3,627,537	24.332	0.01865	Resident
R1474	489,465	3,627,537	22.359	0.01714	Resident
R1475	489,490	3,627,537	20.695	0.01586	Resident
R1476	489,515	3,627,537	19.385	0.01486	Resident
R1477	489,540	3,627,537	18.080	0.01386	Resident
R1478	489,565	3,627,537	16.881	0.01294	Resident
R1479	489,590	3,627,537	15.829	0.01213	Resident
R1480	489,615	3,627,537	14.894	0.01141	Resident
R1481	489,640	3,627,537	14.031	0.01075	Resident
R1482	489,665	3,627,537	13.239	0.01015	Resident
R1483	489,690	3,627,537	12.509	0.00959	Resident
R1484	489,715	3,627,537	11.833	0.00907	Resident
R1485	487,790	3,627,512	2.891	0.00222	Resident
R1486	487,815	3,627,512	3.075	0.00236	Resident
R1487	487,840	3,627,512	3.248	0.00249	Resident
R1488	487,865	3,627,512	3.438	0.00263	Resident
R1489	487,890	3,627,512	3.666	0.00281	Resident
R1490	487,915	3,627,512	3.935	0.00302	Resident
R1491	487,940	3,627,512	4.112	0.00315	Resident
R1492	487,965	3,627,512	4.342	0.00333	Resident
R1493	487,990	3,627,512	4.606	0.00353	Resident
R1494	488,015	3,627,512	4.952	0.00379	Resident
R1495	488,040	3,627,512	5.336	0.00409	Resident
R1496	488,065	3,627,512	5.754	0.00441	Resident
R1497	488,090	3,627,512	6.224	0.00477	Resident
R1498	488,115	3,627,512	6.789	0.00520	Resident
R1499	488,140	3,627,512	7.623	0.00584	Resident
R1500	488,165	3,627,512	8.666	0.00664	Resident
R1501	488,190	3,627,512	10.434	0.00800	Resident
R1502	488,215	3,627,512	12.308	0.00943	Resident
R1503	488,240	3,627,512	1.680	0.01162	Worker
R1504	488,265	3,627,512	2.296	0.01587	Worker
R1505	489,240	3,627,512	9.108	0.06297	Worker
R1506	489,265	3,627,512	7.170	0.04957	Worker
R1507	489,290	3,627,512	5.917	0.04091	Worker
R1508	489,315	3,627,512	45.363	0.03476	Resident
R1509	489,340	3,627,512	39.341	0.03015	Resident
R1510	489,365	3,627,512	35.023	0.02684	Resident
R1511	489,390	3,627,512	31.407	0.02407	Resident
R1512	489,415	3,627,512	28.426	0.02178	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1513	489,440	3,627,512	25.995	0.01992	Resident
R1514	489,465	3,627,512	2.658	0.01838	Worker
R1515	489,490	3,627,512	2.451	0.01694	Worker
R1516	489,515	3,627,512	20.495	0.01571	Resident
R1517	489,540	3,627,512	19.113	0.01465	Resident
R1518	489,565	3,627,512	17.892	0.01371	Resident
R1519	489,590	3,627,512	16.822	0.01289	Resident
R1520	489,615	3,627,512	15.790	0.01210	Resident
R1521	489,640	3,627,512	14.812	0.01135	Resident
R1522	489,665	3,627,512	13.953	0.01069	Resident
R1523	489,690	3,627,512	13.191	0.01011	Resident
R1524	489,715	3,627,512	12.429	0.00953	Resident
R1525	487,790	3,627,487	2.946	0.00226	Resident
R1526	487,815	3,627,487	3.247	0.00249	Resident
R1527	487,840	3,627,487	3.418	0.00262	Resident
R1528	487,865	3,627,487	3.583	0.00275	Resident
R1529	487,890	3,627,487	3.809	0.00292	Resident
R1530	487,915	3,627,487	4.071	0.00312	Resident
R1531	487,940	3,627,487	4.336	0.00332	Resident
R1532	487,965	3,627,487	4.526	0.00347	Resident
R1533	487,990	3,627,487	4.886	0.00374	Resident
R1534	488,015	3,627,487	5.221	0.00400	Resident
R1535	488,040	3,627,487	5.590	0.00428	Resident
R1536	488,065	3,627,487	6.014	0.00461	Resident
R1537	488,090	3,627,487	6.567	0.00503	Resident
R1538	488,115	3,627,487	7.325	0.00561	Resident
R1539	488,140	3,627,487	8.522	0.00653	Resident
R1540	488,165	3,627,487	9.647	0.00739	Resident
R1541	488,190	3,627,487	11.058	0.00847	Resident
R1542	488,215	3,627,487	1.447	0.01000	Worker
R1543	488,240	3,627,487	1.796	0.01242	Worker
R1544	488,265	3,627,487	2.407	0.01664	Worker
R1545	489,240	3,627,487	9.593	0.06633	Worker
R1546	489,265	3,627,487	7.617	0.05266	Worker
R1547	489,290	3,627,487	6.318	0.04368	Worker
R1548	489,315	3,627,487	48.605	0.03725	Resident
R1549	489,340	3,627,487	42.199	0.03234	Resident
R1550	489,365	3,627,487	37.587	0.02881	Resident
R1551	489,390	3,627,487	33.724	0.02584	Resident
R1552	489,415	3,627,487	30.450	0.02334	Resident
R1553	489,440	3,627,487	27.709	0.02124	Resident
R1554	489,465	3,627,487	2.840	0.01963	Worker
R1555	489,490	3,627,487	2.615	0.01808	Worker
R1556	489,515	3,627,487	2.418	0.01672	Worker
R1557	489,540	3,627,487	2.243	0.01551	Worker
R1558	489,565	3,627,487	2.092	0.01447	Worker
R1559	489,590	3,627,487	17.673	0.01354	Resident
R1560	489,615	3,627,487	16.608	0.01273	Resident
R1561	489,640	3,627,487	15.592	0.01195	Resident
R1562	489,665	3,627,487	14.675	0.01125	Resident
R1563	489,690	3,627,487	13.908	0.01066	Resident
R1564	489,715	3,627,487	13.131	0.01006	Resident
R1565	487,790	3,627,462	3.100	0.00238	Resident
R1566	487,815	3,627,462	3.359	0.00257	Resident
R1567	487,840	3,627,462	3.540	0.00271	Resident
R1568	487,865	3,627,462	3.727	0.00286	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1569	487,890	3,627,462	3.954	0.00303	Resident
R1570	487,915	3,627,462	4.233	0.00324	Resident
R1571	487,940	3,627,462	4.539	0.00348	Resident
R1572	487,965	3,627,462	4.838	0.00371	Resident
R1573	487,990	3,627,462	5.127	0.00393	Resident
R1574	488,015	3,627,462	5.521	0.00423	Resident
R1575	488,040	3,627,462	5.854	0.00449	Resident
R1576	488,065	3,627,462	6.333	0.00485	Resident
R1577	488,090	3,627,462	7.044	0.00540	Resident
R1578	488,115	3,627,462	8.053	0.00617	Resident
R1579	488,140	3,627,462	8.953	0.00686	Resident
R1580	488,165	3,627,462	1.118	0.00773	Worker
R1581	488,190	3,627,462	1.281	0.00886	Worker
R1582	488,215	3,627,462	1.515	0.01047	Worker
R1583	488,240	3,627,462	1.859	0.01285	Worker
R1584	488,265	3,627,462	2.468	0.01706	Worker
R1585	488,290	3,627,462	3.517	0.02432	Worker
R1586	489,240	3,627,462	9.982	0.06902	Worker
R1587	489,265	3,627,462	8.018	0.05543	Worker
R1588	489,290	3,627,462	6.681	0.04619	Worker
R1589	489,315	3,627,462	51.583	0.03953	Resident
R1590	489,340	3,627,462	44.806	0.03434	Resident
R1591	489,365	3,627,462	39.952	0.03062	Resident
R1592	489,390	3,627,462	35.823	0.02745	Resident
R1593	489,415	3,627,462	32.379	0.02481	Resident
R1594	489,440	3,627,462	29.420	0.02255	Resident
R1595	489,465	3,627,462	3.014	0.02084	Worker
R1596	489,490	3,627,462	2.773	0.01917	Worker
R1597	489,515	3,627,462	2.561	0.01771	Worker
R1598	489,540	3,627,462	2.376	0.01643	Worker
R1599	489,565	3,627,462	2.212	0.01529	Worker
R1600	489,590	3,627,462	2.065	0.01427	Worker
R1601	489,615	3,627,462	1.931	0.01335	Worker
R1602	489,640	3,627,462	16.354	0.01253	Resident
R1603	489,665	3,627,462	15.394	0.01180	Resident
R1604	489,690	3,627,462	14.638	0.01122	Resident
R1605	489,715	3,627,462	13.847	0.01061	Resident
R1606	487,815	3,627,437	3.463	0.00265	Resident
R1607	487,840	3,627,437	3.647	0.00280	Resident
R1608	487,865	3,627,437	3.842	0.00294	Resident
R1609	487,890	3,627,437	4.105	0.00315	Resident
R1610	487,915	3,627,437	4.381	0.00336	Resident
R1611	487,940	3,627,437	4.727	0.00362	Resident
R1612	487,965	3,627,437	5.170	0.00396	Resident
R1613	487,990	3,627,437	5.516	0.00423	Resident
R1614	488,015	3,627,437	5.730	0.00439	Resident
R1615	488,040	3,627,437	6.175	0.00473	Resident
R1616	488,065	3,627,437	6.730	0.00516	Resident
R1617	488,090	3,627,437	7.608	0.00583	Resident
R1618	488,115	3,627,437	8.366	0.00641	Resident
R1619	488,140	3,627,437	1.030	0.00712	Worker
R1620	488,165	3,627,437	1.161	0.00802	Worker
R1621	488,190	3,627,437	1.342	0.00928	Worker
R1622	488,215	3,627,437	1.575	0.01089	Worker
R1623	488,240	3,627,437	1.921	0.01328	Worker
R1624	488,265	3,627,437	2.529	0.01748	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1625	488,290	3,627,437	3.467	0.02397	Worker
R1626	489,240	3,627,437	10.288	0.07113	Worker
R1627	489,265	3,627,437	8.389	0.05800	Worker
R1628	489,290	3,627,437	7.015	0.04850	Worker
R1629	489,315	3,627,437	54.344	0.04165	Resident
R1630	489,340	3,627,437	47.209	0.03618	Resident
R1631	489,365	3,627,437	42.220	0.03236	Resident
R1632	489,390	3,627,437	37.821	0.02898	Resident
R1633	489,415	3,627,437	34.218	0.02622	Resident
R1634	489,440	3,627,437	31.077	0.02382	Resident
R1635	489,465	3,627,437	3.175	0.02195	Worker
R1636	489,490	3,627,437	2.922	0.02020	Worker
R1637	489,515	3,627,437	2.699	0.01866	Worker
R1638	489,540	3,627,437	2.504	0.01731	Worker
R1639	489,565	3,627,437	2.328	0.01610	Worker
R1640	489,590	3,627,437	2.170	0.01500	Worker
R1641	489,615	3,627,437	2.029	0.01403	Worker
R1642	489,640	3,627,437	1.903	0.01316	Worker
R1643	489,665	3,627,437	1.789	0.01237	Worker
R1644	489,690	3,627,437	1.686	0.01166	Worker
R1645	489,715	3,627,437	14.369	0.01101	Resident
R1646	487,815	3,627,412	3.576	0.00274	Resident
R1647	487,840	3,627,412	3.757	0.00288	Resident
R1648	487,865	3,627,412	3.969	0.00304	Resident
R1649	487,890	3,627,412	4.237	0.00325	Resident
R1650	487,915	3,627,412	4.524	0.00347	Resident
R1651	487,940	3,627,412	4.841	0.00371	Resident
R1652	487,965	3,627,412	5.342	0.00409	Resident
R1653	487,990	3,627,412	5.735	0.00439	Resident
R1654	488,015	3,627,412	6.120	0.00469	Resident
R1655	488,040	3,627,412	6.600	0.00506	Resident
R1656	488,065	3,627,412	7.211	0.00553	Resident
R1657	488,090	3,627,412	0.872	0.00603	Worker
R1658	488,115	3,627,412	0.959	0.00663	Worker
R1659	488,140	3,627,412	1.065	0.00737	Worker
R1660	488,165	3,627,412	1.212	0.00838	Worker
R1661	488,190	3,627,412	1.385	0.00958	Worker
R1662	488,215	3,627,412	1.622	0.01122	Worker
R1663	488,240	3,627,412	1.968	0.01360	Worker
R1664	488,265	3,627,412	2.545	0.01760	Worker
R1665	488,290	3,627,412	3.429	0.02371	Worker
R1666	489,240	3,627,412	10.666	0.07375	Worker
R1667	489,265	3,627,412	8.776	0.06067	Worker
R1668	489,290	3,627,412	7.341	0.05075	Worker
R1669	489,315	3,627,412	57.023	0.04370	Resident
R1670	489,340	3,627,412	49.487	0.03792	Resident
R1671	489,365	3,627,412	44.286	0.03394	Resident
R1672	489,390	3,627,412	39.758	0.03047	Resident
R1673	489,415	3,627,412	35.975	0.02757	Resident
R1674	489,440	3,627,412	32.648	0.02502	Resident
R1675	489,465	3,627,412	3.333	0.02304	Worker
R1676	489,490	3,627,412	3.065	0.02119	Worker
R1677	489,515	3,627,412	2.831	0.01957	Worker
R1678	489,540	3,627,412	2.628	0.01817	Worker
R1679	489,565	3,627,412	2.443	0.01689	Worker
R1680	489,590	3,627,412	2.276	0.01573	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1681	489,615	3,627,412	2.127	0.01471	Worker
R1682	489,640	3,627,412	1.994	0.01378	Worker
R1683	489,665	3,627,412	1.872	0.01294	Worker
R1684	489,690	3,627,412	1.764	0.01219	Worker
R1685	489,715	3,627,412	1.665	0.01151	Worker
R1686	487,815	3,627,387	3.675	0.00282	Resident
R1687	487,840	3,627,387	3.884	0.00298	Resident
R1688	487,865	3,627,387	4.116	0.00315	Resident
R1689	487,890	3,627,387	4.380	0.00336	Resident
R1690	487,915	3,627,387	4.676	0.00358	Resident
R1691	487,940	3,627,387	4.978	0.00381	Resident
R1692	487,965	3,627,387	5.356	0.00410	Resident
R1693	487,990	3,627,387	5.911	0.00453	Resident
R1694	488,015	3,627,387	6.359	0.00487	Resident
R1695	488,040	3,627,387	6.853	0.00525	Resident
R1696	488,065	3,627,387	0.824	0.00570	Worker
R1697	488,090	3,627,387	0.899	0.00622	Worker
R1698	488,115	3,627,387	0.992	0.00686	Worker
R1699	488,140	3,627,387	1.107	0.00765	Worker
R1700	488,165	3,627,387	1.244	0.00860	Worker
R1701	488,190	3,627,387	1.420	0.00982	Worker
R1702	488,215	3,627,387	1.656	0.01145	Worker
R1703	488,240	3,627,387	1.991	0.01376	Worker
R1704	488,265	3,627,387	2.536	0.01753	Worker
R1705	488,290	3,627,387	3.379	0.02336	Worker
R1706	489,240	3,627,387	11.131	0.07696	Worker
R1707	489,265	3,627,387	9.231	0.06382	Worker
R1708	489,290	3,627,387	7.692	0.05318	Worker
R1709	489,315	3,627,387	59.687	0.04574	Resident
R1710	489,340	3,627,387	51.662	0.03959	Resident
R1711	489,365	3,627,387	46.369	0.03554	Resident
R1712	489,390	3,627,387	41.517	0.03182	Resident
R1713	489,415	3,627,387	37.513	0.02875	Resident
R1714	489,440	3,627,387	34.124	0.02615	Resident
R1715	489,465	3,627,387	3.481	0.02407	Worker
R1716	489,490	3,627,387	3.202	0.02214	Worker
R1717	489,515	3,627,387	2.958	0.02045	Worker
R1718	489,540	3,627,387	2.746	0.01898	Worker
R1719	489,565	3,627,387	2.550	0.01763	Worker
R1720	489,590	3,627,387	2.377	0.01643	Worker
R1721	489,615	3,627,387	2.221	0.01536	Worker
R1722	489,640	3,627,387	2.081	0.01439	Worker
R1723	489,665	3,627,387	1.953	0.01350	Worker
R1724	489,690	3,627,387	1.840	0.01272	Worker
R1725	489,715	3,627,387	1.737	0.01201	Worker
R1726	489,740	3,627,387	1.642	0.01135	Worker
R1727	487,815	3,627,362	3.771	0.00289	Resident
R1728	487,840	3,627,362	3.997	0.00306	Resident
R1729	487,865	3,627,362	4.252	0.00326	Resident
R1730	487,890	3,627,362	4.516	0.00346	Resident
R1731	487,915	3,627,362	4.807	0.00368	Resident
R1732	487,940	3,627,362	5.123	0.00393	Resident
R1733	487,965	3,627,362	5.483	0.00420	Resident
R1734	487,990	3,627,362	6.050	0.00464	Resident
R1735	488,015	3,627,362	6.528	0.00500	Resident
R1736	488,040	3,627,362	0.781	0.00540	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1737	488,065	3,627,362	0.847	0.00586	Worker
R1738	488,090	3,627,362	0.925	0.00640	Worker
R1739	488,115	3,627,362	1.019	0.00704	Worker
R1740	488,140	3,627,362	1.133	0.00784	Worker
R1741	488,165	3,627,362	1.272	0.00880	Worker
R1742	488,190	3,627,362	1.447	0.01001	Worker
R1743	488,215	3,627,362	1.676	0.01158	Worker
R1744	488,240	3,627,362	2.001	0.01384	Worker
R1745	488,265	3,627,362	2.517	0.01740	Worker
R1746	488,290	3,627,362	3.321	0.02296	Worker
R1747	489,240	3,627,362	11.647	0.08053	Worker
R1748	489,265	3,627,362	9.723	0.06723	Worker
R1749	489,290	3,627,362	8.077	0.05584	Worker
R1750	489,315	3,627,362	62.429	0.04784	Resident
R1751	489,340	3,627,362	54.009	0.04139	Resident
R1752	489,365	3,627,362	48.096	0.03686	Resident
R1753	489,390	3,627,362	43.155	0.03307	Resident
R1754	489,415	3,627,362	39.079	0.02995	Resident
R1755	489,440	3,627,362	35.505	0.02721	Resident
R1756	489,465	3,627,362	32.601	0.02498	Resident
R1757	489,490	3,627,362	29.947	0.02295	Resident
R1758	489,515	3,627,362	27.634	0.02118	Resident
R1759	489,540	3,627,362	25.590	0.01961	Resident
R1760	489,565	3,627,362	23.773	0.01822	Resident
R1761	489,590	3,627,362	22.167	0.01699	Resident
R1762	489,615	3,627,362	20.744	0.01590	Resident
R1763	489,640	3,627,362	19.516	0.01496	Resident
R1764	489,665	3,627,362	18.332	0.01405	Resident
R1765	489,690	3,627,362	17.243	0.01321	Resident
R1766	489,715	3,627,362	16.249	0.01245	Resident
R1767	489,740	3,627,362	15.363	0.01177	Resident
R1768	487,815	3,627,337	3.883	0.00298	Resident
R1769	487,840	3,627,337	4.122	0.00316	Resident
R1770	487,865	3,627,337	4.368	0.00335	Resident
R1771	487,890	3,627,337	4.632	0.00355	Resident
R1772	487,915	3,627,337	4.932	0.00378	Resident
R1773	487,940	3,627,337	5.279	0.00405	Resident
R1774	487,965	3,627,337	5.775	0.00443	Resident
R1775	487,990	3,627,337	6.216	0.00476	Resident
R1776	488,015	3,627,337	0.741	0.00513	Worker
R1777	488,040	3,627,337	0.801	0.00554	Worker
R1778	488,065	3,627,337	0.870	0.00601	Worker
R1779	488,090	3,627,337	0.947	0.00655	Worker
R1780	488,115	3,627,337	1.042	0.00720	Worker
R1781	488,140	3,627,337	1.156	0.00799	Worker
R1782	488,165	3,627,337	1.292	0.00893	Worker
R1783	488,190	3,627,337	1.463	0.01012	Worker
R1784	488,215	3,627,337	1.694	0.01171	Worker
R1785	488,240	3,627,337	2.017	0.01395	Worker
R1786	488,265	3,627,337	2.511	0.01736	Worker
R1787	488,290	3,627,337	3.288	0.02273	Worker
R1788	489,265	3,627,337	10.204	0.07055	Worker
R1789	489,290	3,627,337	8.491	0.05871	Worker
R1790	489,315	3,627,337	65.218	0.04998	Resident
R1791	489,340	3,627,337	56.463	0.04327	Resident
R1792	489,365	3,627,337	49.798	0.03816	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1793	489,390	3,627,337	44.790	0.03433	Resident
R1794	489,415	3,627,337	40.525	0.03106	Resident
R1795	489,440	3,627,337	36.793	0.02820	Resident
R1796	489,465	3,627,337	33.629	0.02577	Resident
R1797	489,490	3,627,337	30.976	0.02374	Resident
R1798	489,515	3,627,337	28.607	0.02192	Resident
R1799	489,540	3,627,337	26.525	0.02033	Resident
R1800	489,565	3,627,337	24.652	0.01889	Resident
R1801	489,590	3,627,337	23.005	0.01763	Resident
R1802	489,615	3,627,337	21.503	0.01648	Resident
R1803	489,640	3,627,337	20.280	0.01554	Resident
R1804	489,665	3,627,337	19.018	0.01457	Resident
R1805	489,690	3,627,337	17.827	0.01366	Resident
R1806	489,715	3,627,337	16.824	0.01289	Resident
R1807	489,740	3,627,337	15.917	0.01220	Resident
R1808	487,815	3,627,312	4.010	0.00307	Resident
R1809	487,840	3,627,312	4.226	0.00324	Resident
R1810	487,865	3,627,312	4.474	0.00343	Resident
R1811	487,890	3,627,312	4.741	0.00363	Resident
R1812	487,915	3,627,312	5.063	0.00388	Resident
R1813	487,940	3,627,312	5.550	0.00425	Resident
R1814	487,965	3,627,312	5.925	0.00454	Resident
R1815	487,990	3,627,312	0.704	0.00487	Worker
R1816	488,015	3,627,312	0.757	0.00523	Worker
R1817	488,040	3,627,312	0.818	0.00566	Worker
R1818	488,065	3,627,312	0.888	0.00614	Worker
R1819	488,090	3,627,312	0.969	0.00670	Worker
R1820	488,115	3,627,312	1.064	0.00736	Worker
R1821	488,140	3,627,312	1.178	0.00814	Worker
R1822	488,165	3,627,312	1.311	0.00906	Worker
R1823	488,190	3,627,312	1.483	0.01025	Worker
R1824	488,215	3,627,312	1.709	0.01181	Worker
R1825	488,240	3,627,312	2.023	0.01399	Worker
R1826	488,265	3,627,312	2.506	0.01733	Worker
R1827	488,290	3,627,312	3.235	0.02237	Worker
R1828	489,265	3,627,312	10.739	0.07425	Worker
R1829	489,290	3,627,312	8.953	0.06190	Worker
R1830	489,315	3,627,312	7.536	0.05211	Worker
R1831	489,340	3,627,312	58.980	0.04520	Resident
R1832	489,365	3,627,312	51.537	0.03950	Resident
R1833	489,390	3,627,312	46.401	0.03556	Resident
R1834	489,415	3,627,312	41.909	0.03212	Resident
R1835	489,440	3,627,312	38.003	0.02912	Resident
R1836	489,465	3,627,312	34.752	0.02663	Resident
R1837	489,490	3,627,312	32.013	0.02453	Resident
R1838	489,515	3,627,312	29.576	0.02267	Resident
R1839	489,540	3,627,312	27.408	0.02100	Resident
R1840	489,565	3,627,312	25.480	0.01953	Resident
R1841	489,590	3,627,312	23.776	0.01822	Resident
R1842	489,615	3,627,312	22.227	0.01703	Resident
R1843	489,640	3,627,312	20.969	0.01607	Resident
R1844	489,665	3,627,312	19.659	0.01507	Resident
R1845	489,690	3,627,312	18.410	0.01411	Resident
R1846	489,715	3,627,312	17.391	0.01333	Resident
R1847	489,740	3,627,312	16.454	0.01261	Resident
R1848	487,815	3,627,287	4.123	0.00316	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1849	487,840	3,627,287	4.337	0.00332	Resident
R1850	487,865	3,627,287	4.583	0.00351	Resident
R1851	487,890	3,627,287	4.909	0.00376	Resident
R1852	487,915	3,627,287	5.313	0.00407	Resident
R1853	487,940	3,627,287	5.657	0.00434	Resident
R1854	487,965	3,627,287	0.670	0.00463	Worker
R1855	487,990	3,627,287	0.718	0.00496	Worker
R1856	488,015	3,627,287	0.772	0.00534	Worker
R1857	488,040	3,627,287	0.833	0.00576	Worker
R1858	488,065	3,627,287	0.904	0.00625	Worker
R1859	488,090	3,627,287	0.985	0.00681	Worker
R1860	488,115	3,627,287	1.082	0.00748	Worker
R1861	488,140	3,627,287	1.194	0.00825	Worker
R1862	488,165	3,627,287	1.329	0.00919	Worker
R1863	488,190	3,627,287	1.499	0.01036	Worker
R1864	488,215	3,627,287	1.721	0.01190	Worker
R1865	488,240	3,627,287	2.027	0.01401	Worker
R1866	488,265	3,627,287	2.485	0.01718	Worker
R1867	488,290	3,627,287	3.153	0.02180	Worker
R1868	489,265	3,627,287	11.259	0.07785	Worker
R1869	489,290	3,627,287	9.558	0.06608	Worker
R1870	489,315	3,627,287	7.845	0.05424	Worker
R1871	489,340	3,627,287	61.277	0.04696	Resident
R1872	489,365	3,627,287	53.097	0.04069	Resident
R1873	489,390	3,627,287	47.962	0.03676	Resident
R1874	489,415	3,627,287	43.173	0.03309	Resident
R1875	489,440	3,627,287	39.118	0.02998	Resident
R1876	489,465	3,627,287	35.781	0.02742	Resident
R1877	489,490	3,627,287	32.980	0.02527	Resident
R1878	489,515	3,627,287	30.452	0.02334	Resident
R1879	489,540	3,627,287	28.217	0.02162	Resident
R1880	489,565	3,627,287	26.224	0.02010	Resident
R1881	489,590	3,627,287	24.491	0.01877	Resident
R1882	489,615	3,627,287	22.897	0.01755	Resident
R1883	489,640	3,627,287	21.606	0.01656	Resident
R1884	489,665	3,627,287	20.267	0.01553	Resident
R1885	489,690	3,627,287	18.976	0.01454	Resident
R1886	489,715	3,627,287	17.931	0.01374	Resident
R1887	489,740	3,627,287	16.953	0.01299	Resident
R1888	487,815	3,627,262	4.289	0.00329	Resident
R1889	487,840	3,627,262	4.443	0.00340	Resident
R1890	487,865	3,627,262	4.778	0.00366	Resident
R1891	487,890	3,627,262	5.091	0.00390	Resident
R1892	487,915	3,627,262	5.408	0.00414	Resident
R1893	487,940	3,627,262	0.639	0.00442	Worker
R1894	487,965	3,627,262	0.679	0.00470	Worker
R1895	487,990	3,627,262	0.727	0.00503	Worker
R1896	488,015	3,627,262	0.785	0.00543	Worker
R1897	488,040	3,627,262	0.848	0.00586	Worker
R1898	488,065	3,627,262	0.919	0.00635	Worker
R1899	488,090	3,627,262	0.999	0.00691	Worker
R1900	488,115	3,627,262	1.093	0.00756	Worker
R1901	488,140	3,627,262	1.208	0.00835	Worker
R1902	488,165	3,627,262	1.341	0.00927	Worker
R1903	488,190	3,627,262	1.511	0.01045	Worker
R1904	488,215	3,627,262	1.730	0.01196	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1905	488,240	3,627,262	2.025	0.01400	Worker
R1906	488,265	3,627,262	2.460	0.01701	Worker
R1907	488,290	3,627,262	3.120	0.02157	Worker
R1908	489,265	3,627,262	11.655	0.08058	Worker
R1909	489,290	3,627,262	9.994	0.06910	Worker
R1910	489,315	3,627,262	8.153	0.05637	Worker
R1911	489,340	3,627,262	63.480	0.04865	Resident
R1912	489,365	3,627,262	55.155	0.04227	Resident
R1913	489,390	3,627,262	49.117	0.03764	Resident
R1914	489,415	3,627,262	44.265	0.03392	Resident
R1915	489,440	3,627,262	40.119	0.03075	Resident
R1916	489,465	3,627,262	36.709	0.02813	Resident
R1917	489,490	3,627,262	33.826	0.02592	Resident
R1918	489,515	3,627,262	31.247	0.02395	Resident
R1919	489,540	3,627,262	28.957	0.02219	Resident
R1920	489,565	3,627,262	26.925	0.02063	Resident
R1921	489,590	3,627,262	25.145	0.01927	Resident
R1922	489,615	3,627,262	23.528	0.01803	Resident
R1923	489,640	3,627,262	22.205	0.01702	Resident
R1924	489,665	3,627,262	20.832	0.01597	Resident
R1925	489,690	3,627,262	19.500	0.01494	Resident
R1926	489,715	3,627,262	18.433	0.01413	Resident
R1927	489,740	3,627,262	17.438	0.01336	Resident
R1928	489,765	3,627,262	16.524	0.01266	Resident
R1929	487,815	3,627,237	4.383	0.00336	Resident
R1930	487,840	3,627,237	4.616	0.00354	Resident
R1931	487,865	3,627,237	4.882	0.00374	Resident
R1932	487,890	3,627,237	5.176	0.00397	Resident
R1933	487,915	3,627,237	0.609	0.00421	Worker
R1934	487,940	3,627,237	0.647	0.00447	Worker
R1935	487,965	3,627,237	0.691	0.00478	Worker
R1936	487,990	3,627,237	0.739	0.00511	Worker
R1937	488,015	3,627,237	0.795	0.00549	Worker
R1938	488,040	3,627,237	0.859	0.00594	Worker
R1939	488,065	3,627,237	0.930	0.00643	Worker
R1940	488,090	3,627,237	1.011	0.00699	Worker
R1941	488,115	3,627,237	1.105	0.00764	Worker
R1942	488,140	3,627,237	1.215	0.00840	Worker
R1943	488,165	3,627,237	1.352	0.00935	Worker
R1944	488,190	3,627,237	1.524	0.01054	Worker
R1945	488,215	3,627,237	1.737	0.01201	Worker
R1946	488,240	3,627,237	2.022	0.01398	Worker
R1947	488,265	3,627,237	2.432	0.01682	Worker
R1948	488,290	3,627,237	3.084	0.02132	Worker
R1949	489,265	3,627,237	12.160	0.08407	Worker
R1950	489,290	3,627,237	9.971	0.06894	Worker
R1951	489,315	3,627,237	8.443	0.05837	Worker
R1952	489,340	3,627,237	65.525	0.05022	Resident
R1953	489,365	3,627,237	57.241	0.04387	Resident
R1954	489,390	3,627,237	50.159	0.03844	Resident
R1955	489,415	3,627,237	45.062	0.03453	Resident
R1956	489,440	3,627,237	40.891	0.03134	Resident
R1957	489,465	3,627,237	37.563	0.02879	Resident
R1958	489,490	3,627,237	34.579	0.02650	Resident
R1959	489,515	3,627,237	31.931	0.02447	Resident
R1960	489,540	3,627,237	29.612	0.02269	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1961	489,565	3,627,237	27.557	0.02112	Resident
R1962	489,590	3,627,237	25.735	0.01972	Resident
R1963	489,615	3,627,237	24.085	0.01846	Resident
R1964	489,640	3,627,237	22.720	0.01741	Resident
R1965	489,665	3,627,237	21.348	0.01636	Resident
R1966	489,690	3,627,237	19.982	0.01531	Resident
R1967	489,715	3,627,237	18.888	0.01448	Resident
R1968	489,740	3,627,237	17.878	0.01370	Resident
R1969	489,765	3,627,237	16.944	0.01298	Resident
R1970	487,815	3,627,212	4.439	0.00340	Resident
R1971	487,840	3,627,212	4.687	0.00359	Resident
R1972	487,865	3,627,212	0.550	0.00380	Worker
R1973	487,890	3,627,212	0.582	0.00403	Worker
R1974	487,915	3,627,212	0.618	0.00427	Worker
R1975	487,940	3,627,212	0.658	0.00455	Worker
R1976	487,965	3,627,212	0.701	0.00485	Worker
R1977	487,990	3,627,212	0.750	0.00519	Worker
R1978	488,015	3,627,212	0.805	0.00556	Worker
R1979	488,040	3,627,212	0.869	0.00601	Worker
R1980	488,065	3,627,212	0.942	0.00651	Worker
R1981	488,090	3,627,212	1.024	0.00708	Worker
R1982	488,115	3,627,212	1.116	0.00772	Worker
R1983	488,140	3,627,212	1.225	0.00847	Worker
R1984	488,165	3,627,212	1.358	0.00939	Worker
R1985	488,190	3,627,212	1.535	0.01061	Worker
R1986	488,215	3,627,212	1.748	0.01208	Worker
R1987	488,240	3,627,212	2.021	0.01397	Worker
R1988	488,265	3,627,212	2.406	0.01663	Worker
R1989	488,290	3,627,212	3.038	0.02101	Worker
R1990	489,290	3,627,212	10.346	0.07153	Worker
R1991	489,315	3,627,212	8.505	0.05881	Worker
R1992	489,340	3,627,212	7.364	0.05092	Worker
R1993	489,365	3,627,212	57.561	0.04411	Resident
R1994	489,390	3,627,212	51.171	0.03922	Resident
R1995	489,415	3,627,212	45.914	0.03519	Resident
R1996	489,440	3,627,212	41.754	0.03200	Resident
R1997	489,465	3,627,212	38.298	0.02935	Resident
R1998	489,490	3,627,212	35.216	0.02699	Resident
R1999	489,515	3,627,212	32.531	0.02493	Resident
R2000	489,540	3,627,212	30.163	0.02312	Resident
R2001	489,565	3,627,212	28.072	0.02151	Resident
R2002	489,590	3,627,212	26.252	0.02012	Resident
R2003	489,615	3,627,212	24.589	0.01884	Resident
R2004	489,640	3,627,212	23.203	0.01778	Resident
R2005	489,665	3,627,212	21.810	0.01671	Resident
R2006	489,690	3,627,212	20.410	0.01564	Resident
R2007	489,715	3,627,212	19.305	0.01479	Resident
R2008	489,740	3,627,212	18.279	0.01401	Resident
R2009	489,765	3,627,212	17.333	0.01328	Resident
R2010	489,790	3,627,212	16.463	0.01262	Resident
R2011	487,815	3,627,187	4.505	0.00345	Resident
R2012	487,840	3,627,187	0.527	0.00365	Worker
R2013	487,865	3,627,187	0.557	0.00385	Worker
R2014	487,890	3,627,187	0.590	0.00408	Worker
R2015	487,915	3,627,187	0.627	0.00433	Worker
R2016	487,940	3,627,187	0.667	0.00461	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2017	487,965	3,627,187	0.712	0.00492	Worker
R2018	487,990	3,627,187	0.761	0.00526	Worker
R2019	488,015	3,627,187	0.816	0.00564	Worker
R2020	488,040	3,627,187	0.880	0.00608	Worker
R2021	488,065	3,627,187	0.952	0.00658	Worker
R2022	488,090	3,627,187	1.034	0.00715	Worker
R2023	488,115	3,627,187	1.127	0.00779	Worker
R2024	488,140	3,627,187	1.235	0.00854	Worker
R2025	488,165	3,627,187	1.364	0.00943	Worker
R2026	488,190	3,627,187	1.535	0.01061	Worker
R2027	488,215	3,627,187	1.747	0.01208	Worker
R2028	488,240	3,627,187	2.001	0.01383	Worker
R2029	488,265	3,627,187	2.377	0.01644	Worker
R2030	488,290	3,627,187	2.999	0.02074	Worker
R2031	489,290	3,627,187	10.763	0.07442	Worker
R2032	489,315	3,627,187	8.614	0.05955	Worker
R2033	489,340	3,627,187	7.318	0.05059	Worker
R2034	489,365	3,627,187	57.756	0.04426	Resident
R2035	489,390	3,627,187	51.774	0.03968	Resident
R2036	489,415	3,627,187	46.579	0.03570	Resident
R2037	489,440	3,627,187	42.487	0.03256	Resident
R2038	489,465	3,627,187	38.861	0.02978	Resident
R2039	489,490	3,627,187	35.708	0.02736	Resident
R2040	489,515	3,627,187	33.005	0.02529	Resident
R2041	489,540	3,627,187	30.584	0.02344	Resident
R2042	489,565	3,627,187	28.510	0.02185	Resident
R2043	489,590	3,627,187	26.669	0.02044	Resident
R2044	489,615	3,627,187	25.006	0.01916	Resident
R2045	489,640	3,627,187	23.626	0.01811	Resident
R2046	489,665	3,627,187	22.214	0.01702	Resident
R2047	489,690	3,627,187	20.833	0.01597	Resident
R2048	489,715	3,627,187	19.664	0.01507	Resident
R2049	489,740	3,627,187	18.615	0.01427	Resident
R2050	489,765	3,627,187	17.662	0.01354	Resident
R2051	489,790	3,627,187	16.801	0.01288	Resident
R2052	487,815	3,627,162	0.506	0.00350	Worker
R2053	487,840	3,627,162	0.534	0.00369	Worker
R2054	487,865	3,627,162	0.564	0.00390	Worker
R2055	487,890	3,627,162	0.598	0.00414	Worker
R2056	487,915	3,627,162	0.635	0.00439	Worker
R2057	487,940	3,627,162	0.676	0.00468	Worker
R2058	487,965	3,627,162	0.721	0.00499	Worker
R2059	487,990	3,627,162	0.772	0.00533	Worker
R2060	488,015	3,627,162	0.828	0.00572	Worker
R2061	488,040	3,627,162	0.891	0.00616	Worker
R2062	488,065	3,627,162	0.963	0.00665	Worker
R2063	488,090	3,627,162	1.044	0.00722	Worker
R2064	488,115	3,627,162	1.136	0.00786	Worker
R2065	488,140	3,627,162	1.244	0.00860	Worker
R2066	488,165	3,627,162	1.372	0.00949	Worker
R2067	488,190	3,627,162	1.530	0.01058	Worker
R2068	488,215	3,627,162	1.723	0.01191	Worker
R2069	488,240	3,627,162	1.979	0.01369	Worker
R2070	488,265	3,627,162	2.336	0.01615	Worker
R2071	488,290	3,627,162	2.904	0.02008	Worker
R2072	488,315	3,627,162	3.865	0.02672	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2073	489,290	3,627,162	11.095	0.07671	Worker
R2074	489,315	3,627,162	8.864	0.06129	Worker
R2075	489,340	3,627,162	7.413	0.05126	Worker
R2076	489,365	3,627,162	58.439	0.04479	Resident
R2077	489,390	3,627,162	51.977	0.03983	Resident
R2078	489,415	3,627,162	47.138	0.03612	Resident
R2079	489,440	3,627,162	42.892	0.03287	Resident
R2080	489,465	3,627,162	39.188	0.03003	Resident
R2081	489,490	3,627,162	36.060	0.02764	Resident
R2082	489,515	3,627,162	33.341	0.02555	Resident
R2083	489,540	3,627,162	30.909	0.02369	Resident
R2084	489,565	3,627,162	28.856	0.02211	Resident
R2085	489,590	3,627,162	27.001	0.02069	Resident
R2086	489,615	3,627,162	25.334	0.01942	Resident
R2087	489,640	3,627,162	23.955	0.01836	Resident
R2088	489,665	3,627,162	22.547	0.01728	Resident
R2089	489,690	3,627,162	21.186	0.01624	Resident
R2090	489,715	3,627,162	20.008	0.01533	Resident
R2091	489,740	3,627,162	18.956	0.01453	Resident
R2092	489,765	3,627,162	17.993	0.01379	Resident
R2093	489,790	3,627,162	17.113	0.01311	Resident
R2094	487,790	3,627,137	0.486	0.00336	Worker
R2095	487,815	3,627,137	0.511	0.00353	Worker
R2096	487,840	3,627,137	0.540	0.00373	Worker
R2097	487,865	3,627,137	0.571	0.00395	Worker
R2098	487,890	3,627,137	0.606	0.00419	Worker
R2099	487,915	3,627,137	0.643	0.00445	Worker
R2100	487,940	3,627,137	0.685	0.00473	Worker
R2101	487,965	3,627,137	0.730	0.00505	Worker
R2102	487,990	3,627,137	0.781	0.00540	Worker
R2103	488,015	3,627,137	0.837	0.00579	Worker
R2104	488,040	3,627,137	0.900	0.00623	Worker
R2105	488,065	3,627,137	0.972	0.00672	Worker
R2106	488,090	3,627,137	1.053	0.00728	Worker
R2107	488,115	3,627,137	1.146	0.00792	Worker
R2108	488,140	3,627,137	1.254	0.00867	Worker
R2109	488,165	3,627,137	1.382	0.00955	Worker
R2110	488,190	3,627,137	1.539	0.01064	Worker
R2111	488,215	3,627,137	1.735	0.01199	Worker
R2112	488,240	3,627,137	1.989	0.01375	Worker
R2113	488,265	3,627,137	2.340	0.01618	Worker
R2114	488,290	3,627,137	2.879	0.01990	Worker
R2115	488,315	3,627,137	3.807	0.02632	Worker
R2116	489,290	3,627,137	11.332	0.07835	Worker
R2117	489,315	3,627,137	9.011	0.06230	Worker
R2118	489,340	3,627,137	7.467	0.05162	Worker
R2119	489,365	3,627,137	6.498	0.04493	Worker
R2120	489,390	3,627,137	52.116	0.03994	Resident
R2121	489,415	3,627,137	47.231	0.03620	Resident
R2122	489,440	3,627,137	43.026	0.03297	Resident
R2123	489,465	3,627,137	39.333	0.03014	Resident
R2124	489,490	3,627,137	36.234	0.02777	Resident
R2125	489,515	3,627,137	33.506	0.02568	Resident
R2126	489,540	3,627,137	31.100	0.02383	Resident
R2127	489,565	3,627,137	29.064	0.02227	Resident
R2128	489,590	3,627,137	27.219	0.02086	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2129	489,615	3,627,137	25.556	0.01958	Resident
R2130	489,640	3,627,137	24.142	0.01850	Resident
R2131	489,665	3,627,137	22.792	0.01747	Resident
R2132	489,690	3,627,137	21.496	0.01647	Resident
R2133	489,715	3,627,137	20.329	0.01558	Resident
R2134	489,740	3,627,137	19.284	0.01478	Resident
R2135	489,765	3,627,137	18.305	0.01403	Resident
R2136	489,790	3,627,137	17.419	0.01335	Resident
R2137	487,765	3,627,112	0.467	0.00323	Worker
R2138	487,790	3,627,112	0.491	0.00340	Worker
R2139	487,815	3,627,112	0.517	0.00358	Worker
R2140	487,840	3,627,112	0.546	0.00378	Worker
R2141	487,865	3,627,112	0.578	0.00399	Worker
R2142	487,890	3,627,112	0.612	0.00423	Worker
R2143	487,915	3,627,112	0.650	0.00450	Worker
R2144	487,940	3,627,112	0.692	0.00479	Worker
R2145	487,965	3,627,112	0.738	0.00510	Worker
R2146	487,990	3,627,112	0.789	0.00546	Worker
R2147	488,015	3,627,112	0.846	0.00585	Worker
R2148	488,040	3,627,112	0.910	0.00629	Worker
R2149	488,065	3,627,112	0.982	0.00679	Worker
R2150	488,090	3,627,112	1.063	0.00735	Worker
R2151	488,115	3,627,112	1.156	0.00800	Worker
R2152	488,140	3,627,112	1.265	0.00874	Worker
R2153	488,165	3,627,112	1.393	0.00963	Worker
R2154	488,190	3,627,112	1.553	0.01074	Worker
R2155	488,215	3,627,112	1.751	0.01211	Worker
R2156	488,240	3,627,112	2.004	0.01386	Worker
R2157	488,265	3,627,112	2.350	0.01625	Worker
R2158	488,290	3,627,112	2.871	0.01985	Worker
R2159	488,315	3,627,112	3.763	0.02601	Worker
R2160	489,290	3,627,112	11.368	0.07860	Worker
R2161	489,315	3,627,112	9.096	0.06289	Worker
R2162	489,340	3,627,112	7.445	0.05147	Worker
R2163	489,365	3,627,112	6.448	0.04458	Worker
R2164	489,390	3,627,112	51.678	0.03960	Resident
R2165	489,415	3,627,112	46.812	0.03587	Resident
R2166	489,440	3,627,112	42.805	0.03280	Resident
R2167	489,465	3,627,112	39.228	0.03006	Resident
R2168	489,490	3,627,112	36.177	0.02772	Resident
R2169	489,515	3,627,112	33.500	0.02567	Resident
R2170	489,540	3,627,112	31.107	0.02384	Resident
R2171	489,565	3,627,112	29.099	0.02230	Resident
R2172	489,590	3,627,112	27.294	0.02092	Resident
R2173	489,615	3,627,112	25.667	0.01967	Resident
R2174	489,640	3,627,112	24.279	0.01861	Resident
R2175	489,665	3,627,112	22.932	0.01757	Resident
R2176	489,690	3,627,112	21.668	0.01661	Resident
R2177	489,715	3,627,112	20.517	0.01572	Resident
R2178	489,740	3,627,112	19.495	0.01494	Resident
R2179	489,765	3,627,112	18.515	0.01419	Resident
R2180	489,790	3,627,112	17.625	0.01351	Resident
R2181	487,740	3,627,087	0.449	0.00311	Worker
R2182	487,765	3,627,087	0.472	0.00326	Worker
R2183	487,790	3,627,087	0.496	0.00343	Worker
R2184	487,815	3,627,087	0.523	0.00361	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2185	487,840	3,627,087	0.551	0.00381	Worker
R2186	487,865	3,627,087	0.583	0.00403	Worker
R2187	487,890	3,627,087	0.618	0.00428	Worker
R2188	487,915	3,627,087	0.657	0.00454	Worker
R2189	487,940	3,627,087	0.699	0.00483	Worker
R2190	487,965	3,627,087	0.746	0.00516	Worker
R2191	487,990	3,627,087	0.797	0.00551	Worker
R2192	488,015	3,627,087	0.854	0.00591	Worker
R2193	488,040	3,627,087	0.919	0.00635	Worker
R2194	488,065	3,627,087	0.992	0.00686	Worker
R2195	488,090	3,627,087	1.075	0.00743	Worker
R2196	488,115	3,627,087	1.169	0.00808	Worker
R2197	488,140	3,627,087	1.279	0.00884	Worker
R2198	488,165	3,627,087	1.409	0.00974	Worker
R2199	488,190	3,627,087	1.573	0.01088	Worker
R2200	488,215	3,627,087	1.773	0.01226	Worker
R2201	488,240	3,627,087	2.028	0.01402	Worker
R2202	488,265	3,627,087	2.372	0.01640	Worker
R2203	488,290	3,627,087	2.886	0.01995	Worker
R2204	488,315	3,627,087	3.757	0.02598	Worker
R2205	489,315	3,627,087	9.102	0.06293	Worker
R2206	489,340	3,627,087	7.383	0.05104	Worker
R2207	489,365	3,627,087	6.347	0.04389	Worker
R2208	489,390	3,627,087	50.853	0.03897	Resident
R2209	489,415	3,627,087	45.892	0.03517	Resident
R2210	489,440	3,627,087	41.958	0.03215	Resident
R2211	489,465	3,627,087	38.629	0.02960	Resident
R2212	489,490	3,627,087	35.783	0.02742	Resident
R2213	489,515	3,627,087	33.232	0.02547	Resident
R2214	489,540	3,627,087	30.958	0.02372	Resident
R2215	489,565	3,627,087	29.007	0.02223	Resident
R2216	489,590	3,627,087	27.244	0.02088	Resident
R2217	489,615	3,627,087	25.686	0.01968	Resident
R2218	489,640	3,627,087	2.695	0.01863	Worker
R2219	489,665	3,627,087	22.992	0.01762	Resident
R2220	489,690	3,627,087	21.777	0.01669	Resident
R2221	489,715	3,627,087	20.636	0.01581	Resident
R2222	489,740	3,627,087	19.623	0.01504	Resident
R2223	489,765	3,627,087	18.661	0.01430	Resident
R2224	489,790	3,627,087	17.791	0.01363	Resident
R2225	487,715	3,627,062	0.432	0.00299	Worker
R2226	487,740	3,627,062	0.453	0.00313	Worker
R2227	487,765	3,627,062	0.475	0.00329	Worker
R2228	487,790	3,627,062	0.500	0.00346	Worker
R2229	487,815	3,627,062	0.527	0.00364	Worker
R2230	487,840	3,627,062	0.556	0.00385	Worker
R2231	487,865	3,627,062	0.588	0.00407	Worker
R2232	487,890	3,627,062	0.624	0.00431	Worker
R2233	487,915	3,627,062	0.663	0.00458	Worker
R2234	487,940	3,627,062	0.706	0.00488	Worker
R2235	487,965	3,627,062	0.753	0.00521	Worker
R2236	487,990	3,627,062	0.805	0.00556	Worker
R2237	488,015	3,627,062	0.863	0.00597	Worker
R2238	488,040	3,627,062	0.928	0.00642	Worker
R2239	488,065	3,627,062	1.003	0.00693	Worker
R2240	488,090	3,627,062	1.088	0.00752	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2241	488,115	3,627,062	1.185	0.00819	Worker
R2242	488,140	3,627,062	1.298	0.00898	Worker
R2243	488,165	3,627,062	1.432	0.00990	Worker
R2244	488,190	3,627,062	1.601	0.01107	Worker
R2245	488,215	3,627,062	1.806	0.01249	Worker
R2246	488,240	3,627,062	2.069	0.01431	Worker
R2247	488,265	3,627,062	2.424	0.01676	Worker
R2248	488,290	3,627,062	2.945	0.02036	Worker
R2249	488,315	3,627,062	3.802	0.02629	Worker
R2250	489,315	3,627,062	8.529	0.05897	Worker
R2251	489,340	3,627,062	7.008	0.04846	Worker
R2252	489,365	3,627,062	6.083	0.04206	Worker
R2253	489,390	3,627,062	5.438	0.03760	Worker
R2254	489,415	3,627,062	4.933	0.03411	Worker
R2255	489,440	3,627,062	4.528	0.03131	Worker
R2256	489,465	3,627,062	37.796	0.02896	Resident
R2257	489,490	3,627,062	3.908	0.02702	Worker
R2258	489,515	3,627,062	3.639	0.02516	Worker
R2259	489,540	3,627,062	3.402	0.02352	Worker
R2260	489,565	3,627,062	3.194	0.02208	Worker
R2261	489,590	3,627,062	3.009	0.02080	Worker
R2262	489,615	3,627,062	2.837	0.01961	Worker
R2263	489,640	3,627,062	2.686	0.01857	Worker
R2264	489,665	3,627,062	22.952	0.01759	Resident
R2265	489,690	3,627,062	21.795	0.01670	Resident
R2266	489,715	3,627,062	20.681	0.01585	Resident
R2267	489,740	3,627,062	19.688	0.01509	Resident
R2268	489,765	3,627,062	18.750	0.01437	Resident
R2269	489,790	3,627,062	17.884	0.01371	Resident
R2270	487,690	3,627,037	0.416	0.00288	Worker
R2271	487,715	3,627,037	0.436	0.00301	Worker
R2272	487,740	3,627,037	0.456	0.00316	Worker
R2273	487,765	3,627,037	0.479	0.00331	Worker
R2274	487,790	3,627,037	0.504	0.00348	Worker
R2275	487,815	3,627,037	0.531	0.00367	Worker
R2276	487,840	3,627,037	0.561	0.00388	Worker
R2277	487,865	3,627,037	0.593	0.00410	Worker
R2278	487,890	3,627,037	0.629	0.00435	Worker
R2279	487,915	3,627,037	0.668	0.00462	Worker
R2280	487,940	3,627,037	0.711	0.00492	Worker
R2281	487,965	3,627,037	0.759	0.00525	Worker
R2282	487,990	3,627,037	0.812	0.00562	Worker
R2283	488,015	3,627,037	0.872	0.00603	Worker
R2284	488,040	3,627,037	0.938	0.00649	Worker
R2285	488,065	3,627,037	1.014	0.00701	Worker
R2286	488,090	3,627,037	1.102	0.00762	Worker
R2287	488,115	3,627,037	1.203	0.00832	Worker
R2288	488,140	3,627,037	1.323	0.00915	Worker
R2289	488,165	3,627,037	1.464	0.01012	Worker
R2290	488,190	3,627,037	1.640	0.01134	Worker
R2291	488,215	3,627,037	1.857	0.01284	Worker
R2292	488,240	3,627,037	2.139	0.01479	Worker
R2293	488,265	3,627,037	2.521	0.01743	Worker
R2294	488,290	3,627,037	3.081	0.02130	Worker
R2295	488,315	3,627,037	3.988	0.02757	Worker
R2296	489,340	3,627,037	6.290	0.04349	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2297	489,365	3,627,037	5.626	0.03890	Worker
R2298	489,390	3,627,037	5.117	0.03538	Worker
R2299	489,415	3,627,037	4.696	0.03247	Worker
R2300	489,440	3,627,037	4.330	0.02994	Worker
R2301	489,465	3,627,037	4.021	0.02780	Worker
R2302	489,490	3,627,037	3.761	0.02600	Worker
R2303	489,515	3,627,037	3.541	0.02448	Worker
R2304	489,540	3,627,037	3.322	0.02297	Worker
R2305	489,565	3,627,037	3.135	0.02168	Worker
R2306	489,590	3,627,037	2.963	0.02049	Worker
R2307	489,615	3,627,037	2.807	0.01941	Worker
R2308	489,640	3,627,037	2.664	0.01842	Worker
R2309	489,665	3,627,037	22.788	0.01746	Resident
R2310	489,690	3,627,037	21.657	0.01660	Resident
R2311	489,715	3,627,037	20.597	0.01578	Resident
R2312	489,740	3,627,037	19.628	0.01504	Resident
R2313	489,765	3,627,037	18.715	0.01434	Resident
R2314	489,790	3,627,037	17.857	0.01368	Resident
R2315	487,665	3,627,012	0.401	0.00277	Worker
R2316	487,690	3,627,012	0.419	0.00290	Worker
R2317	487,715	3,627,012	0.439	0.00303	Worker
R2318	487,740	3,627,012	0.460	0.00318	Worker
R2319	487,765	3,627,012	0.483	0.00334	Worker
R2320	487,790	3,627,012	0.507	0.00351	Worker
R2321	487,815	3,627,012	0.535	0.00370	Worker
R2322	487,840	3,627,012	0.564	0.00390	Worker
R2323	487,865	3,627,012	0.597	0.00413	Worker
R2324	487,890	3,627,012	0.633	0.00438	Worker
R2325	487,915	3,627,012	0.673	0.00465	Worker
R2326	487,940	3,627,012	0.717	0.00496	Worker
R2327	487,965	3,627,012	0.766	0.00529	Worker
R2328	487,990	3,627,012	0.820	0.00567	Worker
R2329	488,015	3,627,012	0.881	0.00609	Worker
R2330	488,040	3,627,012	0.949	0.00656	Worker
R2331	488,065	3,627,012	1.028	0.00711	Worker
R2332	488,090	3,627,012	1.119	0.00773	Worker
R2333	488,115	3,627,012	1.225	0.00847	Worker
R2334	488,140	3,627,012	1.349	0.00933	Worker
R2335	488,165	3,627,012	1.502	0.01039	Worker
R2336	488,190	3,627,012	1.693	0.01171	Worker
R2337	488,215	3,627,012	1.933	0.01336	Worker
R2338	488,240	3,627,012	2.249	0.01555	Worker
R2339	488,265	3,627,012	2.697	0.01865	Worker
R2340	488,290	3,627,012	3.363	0.02325	Worker
R2341	488,315	3,627,012	4.505	0.03115	Worker
R2342	489,340	3,627,012	5.630	0.03893	Worker
R2343	489,365	3,627,012	5.198	0.03594	Worker
R2344	489,390	3,627,012	4.802	0.03320	Worker
R2345	489,415	3,627,012	4.450	0.03077	Worker
R2346	489,440	3,627,012	4.147	0.02867	Worker
R2347	489,465	3,627,012	3.888	0.02688	Worker
R2348	489,490	3,627,012	3.646	0.02521	Worker
R2349	489,515	3,627,012	3.428	0.02370	Worker
R2350	489,540	3,627,012	3.234	0.02236	Worker
R2351	489,565	3,627,012	3.071	0.02123	Worker
R2352	489,590	3,627,012	2.914	0.02014	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2353	489,615	3,627,012	2.763	0.01910	Worker
R2354	489,640	3,627,012	2.625	0.01815	Worker
R2355	489,665	3,627,012	2.496	0.01726	Worker
R2356	489,690	3,627,012	2.377	0.01643	Worker
R2357	489,715	3,627,012	2.253	0.01558	Worker
R2358	489,740	3,627,012	2.145	0.01483	Worker
R2359	489,765	3,627,012	2.049	0.01417	Worker
R2360	489,790	3,627,012	1.961	0.01356	Worker
R2361	487,640	3,626,987	0.386	0.00267	Worker
R2362	487,665	3,626,987	0.403	0.00279	Worker
R2363	487,690	3,626,987	0.421	0.00291	Worker
R2364	487,715	3,626,987	0.441	0.00305	Worker
R2365	487,740	3,626,987	0.462	0.00320	Worker
R2366	487,765	3,626,987	0.486	0.00336	Worker
R2367	487,790	3,626,987	0.511	0.00353	Worker
R2368	487,815	3,626,987	0.538	0.00372	Worker
R2369	487,840	3,626,987	0.568	0.00393	Worker
R2370	487,865	3,626,987	0.601	0.00415	Worker
R2371	487,890	3,626,987	0.637	0.00441	Worker
R2372	487,915	3,626,987	0.678	0.00468	Worker
R2373	487,940	3,626,987	0.722	0.00499	Worker
R2374	487,965	3,626,987	0.772	0.00534	Worker
R2375	487,990	3,626,987	0.828	0.00572	Worker
R2376	488,015	3,626,987	0.891	0.00616	Worker
R2377	488,040	3,626,987	0.962	0.00665	Worker
R2378	488,065	3,626,987	1.044	0.00722	Worker
R2379	488,090	3,626,987	1.139	0.00788	Worker
R2380	488,115	3,626,987	1.252	0.00865	Worker
R2381	488,140	3,626,987	1.389	0.00960	Worker
R2382	488,165	3,626,987	1.557	0.01077	Worker
R2383	488,190	3,626,987	1.768	0.01222	Worker
R2384	488,215	3,626,987	2.041	0.01411	Worker
R2385	488,240	3,626,987	2.425	0.01677	Worker
R2386	488,265	3,626,987	3.003	0.02076	Worker
R2387	488,290	3,626,987	3.994	0.02761	Worker
R2388	489,090	3,626,987	7.500	0.05185	Worker
R2389	489,115	3,626,987	7.180	0.04964	Worker
R2390	489,140	3,626,987	6.909	0.04777	Worker
R2391	489,165	3,626,987	6.653	0.04600	Worker
R2392	489,190	3,626,987	6.440	0.04452	Worker
R2393	489,215	3,626,987	6.234	0.04310	Worker
R2394	489,340	3,626,987	5.076	0.03509	Worker
R2395	489,365	3,626,987	4.805	0.03322	Worker
R2396	489,390	3,626,987	4.525	0.03129	Worker
R2397	489,415	3,626,987	4.256	0.02943	Worker
R2398	489,440	3,626,987	4.005	0.02769	Worker
R2399	489,465	3,626,987	3.782	0.02615	Worker
R2400	489,490	3,626,987	3.548	0.02453	Worker
R2401	489,515	3,626,987	3.335	0.02305	Worker
R2402	489,540	3,626,987	3.148	0.02177	Worker
R2403	489,565	3,626,987	2.994	0.02070	Worker
R2404	489,590	3,626,987	2.843	0.01966	Worker
R2405	489,615	3,626,987	2.716	0.01878	Worker
R2406	489,640	3,626,987	2.583	0.01786	Worker
R2407	489,665	3,626,987	2.461	0.01701	Worker
R2408	489,690	3,626,987	2.336	0.01615	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2409	489,715	3,626,987	2.235	0.01545	Worker
R2410	489,740	3,626,987	2.131	0.01474	Worker
R2411	489,765	3,626,987	2.040	0.01410	Worker
R2412	489,790	3,626,987	1.954	0.01351	Worker
R2413	487,640	3,626,962	0.388	0.00268	Worker
R2414	487,665	3,626,962	0.405	0.00280	Worker
R2415	487,690	3,626,962	0.423	0.00293	Worker
R2416	487,715	3,626,962	0.444	0.00307	Worker
R2417	487,740	3,626,962	0.465	0.00321	Worker
R2418	487,765	3,626,962	0.488	0.00337	Worker
R2419	487,790	3,626,962	0.513	0.00355	Worker
R2420	487,815	3,626,962	0.541	0.00374	Worker
R2421	487,840	3,626,962	0.571	0.00395	Worker
R2422	487,865	3,626,962	0.604	0.00418	Worker
R2423	487,890	3,626,962	0.641	0.00443	Worker
R2424	487,915	3,626,962	0.682	0.00471	Worker
R2425	487,940	3,626,962	0.727	0.00503	Worker
R2426	487,965	3,626,962	0.778	0.00538	Worker
R2427	487,990	3,626,962	0.836	0.00578	Worker
R2428	488,015	3,626,962	0.901	0.00623	Worker
R2429	488,040	3,626,962	0.977	0.00676	Worker
R2430	488,065	3,626,962	1.065	0.00736	Worker
R2431	488,090	3,626,962	1.166	0.00806	Worker
R2432	488,115	3,626,962	1.291	0.00892	Worker
R2433	488,140	3,626,962	1.442	0.00997	Worker
R2434	488,165	3,626,962	1.628	0.01125	Worker
R2435	488,190	3,626,962	1.869	0.01292	Worker
R2436	488,215	3,626,962	2.201	0.01522	Worker
R2437	488,240	3,626,962	2.697	0.01865	Worker
R2438	488,265	3,626,962	3.574	0.02471	Worker
R2439	489,090	3,626,962	6.415	0.04435	Worker
R2440	489,115	3,626,962	6.192	0.04281	Worker
R2441	489,140	3,626,962	5.981	0.04135	Worker
R2442	489,165	3,626,962	5.791	0.04004	Worker
R2443	489,190	3,626,962	5.625	0.03889	Worker
R2444	489,215	3,626,962	5.471	0.03783	Worker
R2445	489,240	3,626,962	5.359	0.03705	Worker
R2446	489,265	3,626,962	5.244	0.03626	Worker
R2447	489,290	3,626,962	5.141	0.03555	Worker
R2448	489,315	3,626,962	4.971	0.03437	Worker
R2449	489,340	3,626,962	4.746	0.03281	Worker
R2450	489,365	3,626,962	4.498	0.03110	Worker
R2451	489,390	3,626,962	4.286	0.02964	Worker
R2452	489,415	3,626,962	4.140	0.02863	Worker
R2453	489,440	3,626,962	3.927	0.02715	Worker
R2454	489,465	3,626,962	3.650	0.02524	Worker
R2455	489,490	3,626,962	3.431	0.02372	Worker
R2456	489,515	3,626,962	3.256	0.02251	Worker
R2457	489,540	3,626,962	3.090	0.02137	Worker
R2458	489,565	3,626,962	2.911	0.02013	Worker
R2459	489,590	3,626,962	2.774	0.01918	Worker
R2460	489,615	3,626,962	2.647	0.01830	Worker
R2461	489,640	3,626,962	2.531	0.01750	Worker
R2462	489,665	3,626,962	2.419	0.01673	Worker
R2463	489,690	3,626,962	2.305	0.01594	Worker
R2464	489,715	3,626,962	2.205	0.01525	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2465	489,740	3,626,962	2.110	0.01459	Worker
R2466	489,765	3,626,962	2.022	0.01398	Worker
R2467	489,790	3,626,962	1.941	0.01342	Worker
R2468	487,615	3,626,937	0.374	0.00258	Worker
R2469	487,640	3,626,937	0.390	0.00269	Worker
R2470	487,665	3,626,937	0.407	0.00281	Worker
R2471	487,690	3,626,937	0.425	0.00294	Worker
R2472	487,715	3,626,937	0.445	0.00308	Worker
R2473	487,740	3,626,937	0.467	0.00323	Worker
R2474	487,765	3,626,937	0.490	0.00339	Worker
R2475	487,790	3,626,937	0.515	0.00356	Worker
R2476	487,815	3,626,937	0.543	0.00376	Worker
R2477	487,840	3,626,937	0.573	0.00396	Worker
R2478	487,865	3,626,937	0.607	0.00419	Worker
R2479	487,890	3,626,937	0.644	0.00445	Worker
R2480	487,915	3,626,937	0.686	0.00474	Worker
R2481	487,940	3,626,937	0.732	0.00506	Worker
R2482	487,965	3,626,937	0.785	0.00543	Worker
R2483	487,990	3,626,937	0.845	0.00584	Worker
R2484	488,015	3,626,937	0.913	0.00631	Worker
R2485	488,040	3,626,937	0.995	0.00688	Worker
R2486	488,065	3,626,937	1.090	0.00753	Worker
R2487	488,090	3,626,937	1.202	0.00831	Worker
R2488	488,115	3,626,937	1.340	0.00927	Worker
R2489	488,140	3,626,937	1.509	0.01043	Worker
R2490	488,165	3,626,937	1.722	0.01191	Worker
R2491	488,190	3,626,937	2.011	0.01391	Worker
R2492	488,215	3,626,937	2.432	0.01681	Worker
R2493	488,240	3,626,937	3.159	0.02184	Worker
R2494	489,090	3,626,937	5.651	0.03907	Worker
R2495	489,115	3,626,937	5.536	0.03827	Worker
R2496	489,140	3,626,937	5.418	0.03746	Worker
R2497	489,165	3,626,937	5.329	0.03684	Worker
R2498	489,190	3,626,937	5.230	0.03616	Worker
R2499	489,215	3,626,937	5.089	0.03518	Worker
R2500	489,240	3,626,937	4.956	0.03426	Worker
R2501	489,265	3,626,937	4.840	0.03347	Worker
R2502	489,290	3,626,937	4.711	0.03257	Worker
R2503	489,315	3,626,937	4.539	0.03138	Worker
R2504	489,340	3,626,937	4.432	0.03064	Worker
R2505	489,365	3,626,937	4.214	0.02914	Worker
R2506	489,390	3,626,937	4.088	0.02826	Worker
R2507	489,415	3,626,937	3.915	0.02707	Worker
R2508	489,440	3,626,937	3.729	0.02578	Worker
R2509	489,465	3,626,937	3.534	0.02443	Worker
R2510	489,490	3,626,937	3.347	0.02314	Worker
R2511	489,515	3,626,937	3.157	0.02183	Worker
R2512	489,540	3,626,937	2.992	0.02068	Worker
R2513	489,565	3,626,937	2.853	0.01973	Worker
R2514	489,590	3,626,937	2.714	0.01876	Worker
R2515	489,615	3,626,937	2.581	0.01785	Worker
R2516	489,640	3,626,937	2.470	0.01708	Worker
R2517	489,665	3,626,937	2.375	0.01642	Worker
R2518	489,690	3,626,937	2.264	0.01566	Worker
R2519	489,715	3,626,937	2.173	0.01503	Worker
R2520	489,740	3,626,937	2.086	0.01442	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2521	489,765	3,626,937	2.000	0.01383	Worker
R2522	489,790	3,626,937	1.925	0.01331	Worker
R2523	487,590	3,626,912	0.360	0.00249	Worker
R2524	487,615	3,626,912	0.375	0.00259	Worker
R2525	487,640	3,626,912	0.391	0.00270	Worker
R2526	487,665	3,626,912	0.408	0.00282	Worker
R2527	487,690	3,626,912	0.426	0.00295	Worker
R2528	487,715	3,626,912	0.446	0.00308	Worker
R2529	487,740	3,626,912	0.468	0.00323	Worker
R2530	487,765	3,626,912	0.491	0.00339	Worker
R2531	487,790	3,626,912	0.517	0.00357	Worker
R2532	487,815	3,626,912	0.545	0.00377	Worker
R2533	487,840	3,626,912	0.576	0.00398	Worker
R2534	487,865	3,626,912	0.610	0.00421	Worker
R2535	487,890	3,626,912	0.647	0.00447	Worker
R2536	487,915	3,626,912	0.689	0.00477	Worker
R2537	487,940	3,626,912	0.737	0.00510	Worker
R2538	487,965	3,626,912	0.792	0.00548	Worker
R2539	487,990	3,626,912	0.855	0.00591	Worker
R2540	488,015	3,626,912	0.928	0.00642	Worker
R2541	488,040	3,626,912	1.018	0.00704	Worker
R2542	488,065	3,626,912	1.121	0.00775	Worker
R2543	488,090	3,626,912	1.247	0.00863	Worker
R2544	488,115	3,626,912	1.402	0.00969	Worker
R2545	488,140	3,626,912	1.598	0.01105	Worker
R2546	488,165	3,626,912	1.858	0.01285	Worker
R2547	488,190	3,626,912	2.225	0.01538	Worker
R2548	488,215	3,626,912	2.810	0.01943	Worker
R2549	488,315	3,626,912	7.175	0.04960	Worker
R2550	489,090	3,626,912	5.286	0.03655	Worker
R2551	489,115	3,626,912	5.132	0.03548	Worker
R2552	489,140	3,626,912	4.990	0.03450	Worker
R2553	489,165	3,626,912	4.913	0.03397	Worker
R2554	489,190	3,626,912	4.797	0.03316	Worker
R2555	489,215	3,626,912	4.676	0.03233	Worker
R2556	489,240	3,626,912	4.528	0.03131	Worker
R2557	489,265	3,626,912	4.435	0.03066	Worker
R2558	489,290	3,626,912	4.289	0.02966	Worker
R2559	489,315	3,626,912	4.265	0.02949	Worker
R2560	489,340	3,626,912	4.112	0.02843	Worker
R2561	489,365	3,626,912	3.975	0.02748	Worker
R2562	489,390	3,626,912	3.820	0.02641	Worker
R2563	489,415	3,626,912	3.676	0.02542	Worker
R2564	489,440	3,626,912	3.525	0.02437	Worker
R2565	489,465	3,626,912	3.366	0.02327	Worker
R2566	489,490	3,626,912	3.211	0.02220	Worker
R2567	489,515	3,626,912	3.060	0.02116	Worker
R2568	489,540	3,626,912	2.916	0.02016	Worker
R2569	489,565	3,626,912	2.774	0.01918	Worker
R2570	489,590	3,626,912	2.647	0.01830	Worker
R2571	489,615	3,626,912	2.533	0.01752	Worker
R2572	489,640	3,626,912	2.429	0.01679	Worker
R2573	489,665	3,626,912	2.331	0.01612	Worker
R2574	489,690	3,626,912	2.239	0.01548	Worker
R2575	489,715	3,626,912	2.149	0.01486	Worker
R2576	489,740	3,626,912	2.060	0.01424	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2577	489,765	3,626,912	1.977	0.01367	Worker
R2578	487,590	3,626,887	0.361	0.00250	Worker
R2579	487,615	3,626,887	0.376	0.00260	Worker
R2580	487,640	3,626,887	0.392	0.00271	Worker
R2581	487,665	3,626,887	0.408	0.00282	Worker
R2582	487,690	3,626,887	0.427	0.00295	Worker
R2583	487,715	3,626,887	0.446	0.00309	Worker
R2584	487,740	3,626,887	0.468	0.00324	Worker
R2585	487,765	3,626,887	0.492	0.00340	Worker
R2586	487,790	3,626,887	0.518	0.00358	Worker
R2587	487,815	3,626,887	0.546	0.00377	Worker
R2588	487,840	3,626,887	0.577	0.00399	Worker
R2589	487,865	3,626,887	0.612	0.00423	Worker
R2590	487,890	3,626,887	0.651	0.00450	Worker
R2591	487,915	3,626,887	0.695	0.00480	Worker
R2592	487,940	3,626,887	0.745	0.00515	Worker
R2593	487,965	3,626,887	0.801	0.00554	Worker
R2594	487,990	3,626,887	0.867	0.00599	Worker
R2595	488,015	3,626,887	0.947	0.00655	Worker
R2596	488,040	3,626,887	1.042	0.00720	Worker
R2597	488,065	3,626,887	1.154	0.00798	Worker
R2598	488,090	3,626,887	1.301	0.00899	Worker
R2599	488,115	3,626,887	1.483	0.01025	Worker
R2600	488,140	3,626,887	1.721	0.01190	Worker
R2601	488,165	3,626,887	2.057	0.01422	Worker
R2602	488,190	3,626,887	2.591	0.01792	Worker
R2603	488,240	3,626,887	4.462	0.03085	Worker
R2604	488,265	3,626,887	5.405	0.03737	Worker
R2605	488,990	3,626,887	5.287	0.03656	Worker
R2606	489,015	3,626,887	5.176	0.03578	Worker
R2607	489,040	3,626,887	5.053	0.03493	Worker
R2608	489,065	3,626,887	4.931	0.03409	Worker
R2609	489,090	3,626,887	4.808	0.03324	Worker
R2610	489,115	3,626,887	4.670	0.03229	Worker
R2611	489,140	3,626,887	4.559	0.03152	Worker
R2612	489,165	3,626,887	4.465	0.03087	Worker
R2613	489,190	3,626,887	4.368	0.03020	Worker
R2614	489,215	3,626,887	4.267	0.02950	Worker
R2615	489,240	3,626,887	4.182	0.02891	Worker
R2616	489,265	3,626,887	4.074	0.02817	Worker
R2617	489,290	3,626,887	3.992	0.02760	Worker
R2618	489,315	3,626,887	3.942	0.02726	Worker
R2619	489,340	3,626,887	3.818	0.02640	Worker
R2620	489,365	3,626,887	3.697	0.02556	Worker
R2621	489,390	3,626,887	3.577	0.02473	Worker
R2622	489,415	3,626,887	3.454	0.02388	Worker
R2623	489,440	3,626,887	3.330	0.02302	Worker
R2624	489,465	3,626,887	3.203	0.02214	Worker
R2625	489,490	3,626,887	3.068	0.02121	Worker
R2626	489,515	3,626,887	2.945	0.02036	Worker
R2627	489,540	3,626,887	2.822	0.01951	Worker
R2628	489,565	3,626,887	2.707	0.01872	Worker
R2629	489,590	3,626,887	2.594	0.01794	Worker
R2630	489,615	3,626,887	2.483	0.01717	Worker
R2631	489,640	3,626,887	2.377	0.01643	Worker
R2632	489,665	3,626,887	2.283	0.01578	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2633	489,690	3,626,887	2.195	0.01518	Worker
R2634	489,715	3,626,887	2.114	0.01461	Worker
R2635	489,740	3,626,887	2.036	0.01408	Worker
R2636	489,765	3,626,887	1.962	0.01357	Worker
R2637	487,565	3,626,862	0.348	0.00240	Worker
R2638	487,590	3,626,862	0.361	0.00250	Worker
R2639	487,615	3,626,862	0.376	0.00260	Worker
R2640	487,640	3,626,862	0.392	0.00271	Worker
R2641	487,665	3,626,862	0.409	0.00283	Worker
R2642	487,690	3,626,862	0.427	0.00295	Worker
R2643	487,715	3,626,862	0.447	0.00309	Worker
R2644	487,740	3,626,862	0.468	0.00324	Worker
R2645	487,765	3,626,862	0.492	0.00340	Worker
R2646	487,790	3,626,862	0.518	0.00358	Worker
R2647	487,815	3,626,862	0.546	0.00378	Worker
R2648	487,840	3,626,862	0.578	0.00400	Worker
R2649	487,865	3,626,862	0.614	0.00424	Worker
R2650	487,890	3,626,862	0.654	0.00452	Worker
R2651	487,915	3,626,862	0.699	0.00483	Worker
R2652	487,940	3,626,862	0.751	0.00519	Worker
R2653	487,965	3,626,862	0.811	0.00561	Worker
R2654	487,990	3,626,862	0.882	0.00610	Worker
R2655	488,015	3,626,862	0.968	0.00670	Worker
R2656	488,040	3,626,862	1.070	0.00740	Worker
R2657	488,065	3,626,862	1.199	0.00829	Worker
R2658	488,090	3,626,862	1.366	0.00945	Worker
R2659	488,115	3,626,862	1.588	0.01098	Worker
R2660	488,140	3,626,862	1.897	0.01312	Worker
R2661	488,165	3,626,862	2.376	0.01643	Worker
R2662	488,190	3,626,862	3.167	0.02190	Worker
R2663	488,215	3,626,862	4.376	0.03026	Worker
R2664	488,890	3,626,862	46.889	0.03593	Resident
R2665	488,915	3,626,862	5.116	0.03537	Worker
R2666	488,940	3,626,862	4.981	0.03444	Worker
R2667	488,965	3,626,862	4.864	0.03363	Worker
R2668	488,990	3,626,862	4.759	0.03290	Worker
R2669	489,015	3,626,862	4.676	0.03233	Worker
R2670	489,040	3,626,862	4.578	0.03165	Worker
R2671	489,065	3,626,862	4.487	0.03103	Worker
R2672	489,090	3,626,862	4.404	0.03045	Worker
R2673	489,115	3,626,862	4.276	0.02956	Worker
R2674	489,140	3,626,862	4.180	0.02890	Worker
R2675	489,165	3,626,862	4.099	0.02834	Worker
R2676	489,190	3,626,862	4.018	0.02778	Worker
R2677	489,215	3,626,862	3.938	0.02723	Worker
R2678	489,240	3,626,862	3.869	0.02675	Worker
R2679	489,265	3,626,862	3.781	0.02614	Worker
R2680	489,290	3,626,862	3.742	0.02587	Worker
R2681	489,315	3,626,862	3.648	0.02522	Worker
R2682	489,340	3,626,862	3.538	0.02446	Worker
R2683	489,365	3,626,862	3.433	0.02374	Worker
R2684	489,390	3,626,862	3.342	0.02310	Worker
R2685	489,415	3,626,862	3.249	0.02246	Worker
R2686	489,440	3,626,862	3.147	0.02176	Worker
R2687	489,465	3,626,862	3.040	0.02102	Worker
R2688	489,490	3,626,862	2.925	0.02022	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2689	489,515	3,626,862	2.814	0.01946	Worker
R2690	489,540	3,626,862	2.716	0.01878	Worker
R2691	489,565	3,626,862	2.617	0.01809	Worker
R2692	489,590	3,626,862	2.522	0.01743	Worker
R2693	489,615	3,626,862	2.430	0.01680	Worker
R2694	489,640	3,626,862	2.340	0.01618	Worker
R2695	489,665	3,626,862	2.252	0.01557	Worker
R2696	489,690	3,626,862	2.167	0.01498	Worker
R2697	489,715	3,626,862	2.086	0.01443	Worker
R2698	489,740	3,626,862	2.011	0.01390	Worker
R2699	489,765	3,626,862	1.940	0.01341	Worker
R2700	487,565	3,626,837	0.348	0.00241	Worker
R2701	487,590	3,626,837	0.361	0.00250	Worker
R2702	487,615	3,626,837	0.376	0.00260	Worker
R2703	487,640	3,626,837	0.392	0.00271	Worker
R2704	487,665	3,626,837	0.408	0.00282	Worker
R2705	487,690	3,626,837	0.427	0.00295	Worker
R2706	487,715	3,626,837	0.447	0.00309	Worker
R2707	487,740	3,626,837	0.468	0.00324	Worker
R2708	487,765	3,626,837	0.492	0.00340	Worker
R2709	487,790	3,626,837	0.517	0.00358	Worker
R2710	487,815	3,626,837	0.547	0.00378	Worker
R2711	487,840	3,626,837	0.579	0.00400	Worker
R2712	487,865	3,626,837	0.615	0.00426	Worker
R2713	487,890	3,626,837	0.657	0.00454	Worker
R2714	487,915	3,626,837	0.703	0.00486	Worker
R2715	487,940	3,626,837	0.758	0.00524	Worker
R2716	487,965	3,626,837	0.822	0.00568	Worker
R2717	487,990	3,626,837	0.898	0.00621	Worker
R2718	488,015	3,626,837	0.991	0.00685	Worker
R2719	488,040	3,626,837	1.105	0.00764	Worker
R2720	488,065	3,626,837	1.256	0.00868	Worker
R2721	488,090	3,626,837	1.459	0.01009	Worker
R2722	488,115	3,626,837	1.735	0.01199	Worker
R2723	488,140	3,626,837	2.164	0.01496	Worker
R2724	488,165	3,626,837	2.890	0.01998	Worker
R2725	488,190	3,626,837	4.085	0.02825	Worker
R2726	488,840	3,626,837	4.904	0.03390	Worker
R2727	488,865	3,626,837	4.760	0.03291	Worker
R2728	488,890	3,626,837	4.694	0.03245	Worker
R2729	488,915	3,626,837	4.619	0.03193	Worker
R2730	488,940	3,626,837	4.515	0.03122	Worker
R2731	488,965	3,626,837	4.430	0.03063	Worker
R2732	488,990	3,626,837	4.319	0.02986	Worker
R2733	489,015	3,626,837	4.260	0.02945	Worker
R2734	489,040	3,626,837	4.184	0.02893	Worker
R2735	489,065	3,626,837	4.100	0.02834	Worker
R2736	489,090	3,626,837	4.026	0.02783	Worker
R2737	489,115	3,626,837	3.933	0.02719	Worker
R2738	489,140	3,626,837	3.856	0.02666	Worker
R2739	489,165	3,626,837	3.787	0.02618	Worker
R2740	489,190	3,626,837	3.726	0.02576	Worker
R2741	489,215	3,626,837	3.662	0.02532	Worker
R2742	489,240	3,626,837	3.582	0.02477	Worker
R2743	489,265	3,626,837	3.541	0.02448	Worker
R2744	489,290	3,626,837	3.478	0.02405	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2745	489,315	3,626,837	3.385	0.02340	Worker
R2746	489,340	3,626,837	3.288	0.02273	Worker
R2747	489,365	3,626,837	3.203	0.02215	Worker
R2748	489,390	3,626,837	3.133	0.02166	Worker
R2749	489,415	3,626,837	3.060	0.02116	Worker
R2750	489,440	3,626,837	2.975	0.02057	Worker
R2751	489,465	3,626,837	2.885	0.01995	Worker
R2752	489,490	3,626,837	2.790	0.01929	Worker
R2753	489,515	3,626,837	2.685	0.01856	Worker
R2754	489,540	3,626,837	2.596	0.01795	Worker
R2755	489,565	3,626,837	2.513	0.01738	Worker
R2756	489,590	3,626,837	2.426	0.01677	Worker
R2757	489,615	3,626,837	2.343	0.01620	Worker
R2758	489,640	3,626,837	2.269	0.01569	Worker
R2759	489,665	3,626,837	2.196	0.01519	Worker
R2760	489,690	3,626,837	2.108	0.01458	Worker
R2761	489,715	3,626,837	2.030	0.01403	Worker
R2762	489,740	3,626,837	1.972	0.01363	Worker
R2763	487,540	3,626,812	3.024	0.00232	Resident
R2764	487,565	3,626,812	0.348	0.00241	Worker
R2765	487,590	3,626,812	0.361	0.00250	Worker
R2766	487,615	3,626,812	0.376	0.00260	Worker
R2767	487,640	3,626,812	0.391	0.00271	Worker
R2768	487,665	3,626,812	0.408	0.00282	Worker
R2769	487,690	3,626,812	0.426	0.00294	Worker
R2770	487,715	3,626,812	0.446	0.00308	Worker
R2771	487,740	3,626,812	0.467	0.00323	Worker
R2772	487,765	3,626,812	0.490	0.00339	Worker
R2773	487,790	3,626,812	0.517	0.00357	Worker
R2774	487,815	3,626,812	0.546	0.00378	Worker
R2775	487,840	3,626,812	0.578	0.00400	Worker
R2776	487,865	3,626,812	0.616	0.00426	Worker
R2777	487,890	3,626,812	0.657	0.00454	Worker
R2778	487,915	3,626,812	0.705	0.00488	Worker
R2779	487,940	3,626,812	0.763	0.00528	Worker
R2780	487,965	3,626,812	0.833	0.00576	Worker
R2781	487,990	3,626,812	0.917	0.00634	Worker
R2782	488,015	3,626,812	1.021	0.00706	Worker
R2783	488,040	3,626,812	1.153	0.00797	Worker
R2784	488,065	3,626,812	1.326	0.00916	Worker
R2785	488,090	3,626,812	1.568	0.01084	Worker
R2786	488,115	3,626,812	1.950	0.01349	Worker
R2787	488,140	3,626,812	2.601	0.01798	Worker
R2788	488,165	3,626,812	3.713	0.02567	Worker
R2789	488,815	3,626,812	4.470	0.03090	Worker
R2790	488,840	3,626,812	4.375	0.03025	Worker
R2791	488,865	3,626,812	4.273	0.02955	Worker
R2792	488,890	3,626,812	4.212	0.02912	Worker
R2793	488,915	3,626,812	4.178	0.02889	Worker
R2794	488,940	3,626,812	4.102	0.02836	Worker
R2795	488,965	3,626,812	4.021	0.02780	Worker
R2796	488,990	3,626,812	3.945	0.02727	Worker
R2797	489,015	3,626,812	3.892	0.02691	Worker
R2798	489,040	3,626,812	3.832	0.02649	Worker
R2799	489,065	3,626,812	3.761	0.02600	Worker
R2800	489,090	3,626,812	3.699	0.02557	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2801	489,115	3,626,812	3.635	0.02513	Worker
R2802	489,140	3,626,812	3.574	0.02471	Worker
R2803	489,165	3,626,812	3.517	0.02432	Worker
R2804	489,190	3,626,812	3.461	0.02393	Worker
R2805	489,215	3,626,812	3.398	0.02350	Worker
R2806	489,240	3,626,812	3.352	0.02317	Worker
R2807	489,265	3,626,812	3.298	0.02280	Worker
R2808	489,290	3,626,812	3.216	0.02223	Worker
R2809	489,315	3,626,812	3.149	0.02177	Worker
R2810	489,340	3,626,812	3.078	0.02128	Worker
R2811	489,365	3,626,812	3.001	0.02075	Worker
R2812	489,390	3,626,812	2.936	0.02030	Worker
R2813	489,415	3,626,812	2.879	0.01991	Worker
R2814	489,440	3,626,812	2.815	0.01946	Worker
R2815	489,465	3,626,812	2.738	0.01893	Worker
R2816	489,490	3,626,812	2.659	0.01839	Worker
R2817	489,515	3,626,812	2.566	0.01774	Worker
R2818	489,540	3,626,812	2.480	0.01715	Worker
R2819	489,565	3,626,812	2.407	0.01664	Worker
R2820	489,590	3,626,812	2.337	0.01616	Worker
R2821	489,615	3,626,812	2.269	0.01569	Worker
R2822	489,640	3,626,812	2.178	0.01506	Worker
R2823	489,665	3,626,812	2.109	0.01458	Worker
R2824	489,690	3,626,812	2.044	0.01413	Worker
R2825	489,715	3,626,812	1.998	0.01381	Worker
R2826	487,540	3,626,787	3.019	0.00231	Resident
R2827	487,565	3,626,787	3.130	0.00240	Resident
R2828	487,590	3,626,787	0.360	0.00249	Worker
R2829	487,615	3,626,787	0.375	0.00259	Worker
R2830	487,640	3,626,787	0.390	0.00270	Worker
R2831	487,665	3,626,787	0.406	0.00281	Worker
R2832	487,690	3,626,787	0.425	0.00294	Worker
R2833	487,715	3,626,787	0.444	0.00307	Worker
R2834	487,740	3,626,787	0.465	0.00321	Worker
R2835	487,765	3,626,787	0.489	0.00338	Worker
R2836	487,790	3,626,787	0.515	0.00356	Worker
R2837	487,815	3,626,787	0.545	0.00376	Worker
R2838	487,840	3,626,787	0.577	0.00399	Worker
R2839	487,865	3,626,787	0.616	0.00426	Worker
R2840	487,890	3,626,787	0.657	0.00454	Worker
R2841	487,915	3,626,787	0.708	0.00489	Worker
R2842	487,940	3,626,787	0.770	0.00533	Worker
R2843	487,965	3,626,787	0.843	0.00583	Worker
R2844	487,990	3,626,787	0.937	0.00648	Worker
R2845	488,015	3,626,787	1.056	0.00730	Worker
R2846	488,040	3,626,787	1.214	0.00840	Worker
R2847	488,065	3,626,787	1.429	0.00988	Worker
R2848	488,090	3,626,787	1.750	0.01210	Worker
R2849	488,115	3,626,787	2.285	0.01580	Worker
R2850	488,140	3,626,787	3.266	0.02258	Worker
R2851	488,165	3,626,787	4.189	0.02896	Worker
R2852	488,190	3,626,787	4.124	0.02852	Worker
R2853	488,215	3,626,787	4.070	0.02814	Worker
R2854	488,240	3,626,787	3.999	0.02765	Worker
R2855	488,265	3,626,787	3.926	0.02715	Worker
R2856	488,290	3,626,787	3.864	0.02671	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2857	488,890	3,626,787	3.824	0.02644	Worker
R2858	488,915	3,626,787	3.789	0.02620	Worker
R2859	488,940	3,626,787	3.738	0.02585	Worker
R2860	488,965	3,626,787	3.667	0.02535	Worker
R2861	488,990	3,626,787	3.618	0.02502	Worker
R2862	489,015	3,626,787	3.572	0.02470	Worker
R2863	489,040	3,626,787	3.519	0.02433	Worker
R2864	489,065	3,626,787	3.465	0.02396	Worker
R2865	489,090	3,626,787	3.413	0.02360	Worker
R2866	489,115	3,626,787	3.365	0.02326	Worker
R2867	489,140	3,626,787	3.318	0.02294	Worker
R2868	489,165	3,626,787	3.269	0.02260	Worker
R2869	489,190	3,626,787	3.220	0.02226	Worker
R2870	489,215	3,626,787	3.171	0.02193	Worker
R2871	489,240	3,626,787	3.122	0.02158	Worker
R2872	489,265	3,626,787	3.065	0.02119	Worker
R2873	489,290	3,626,787	3.001	0.02075	Worker
R2874	489,315	3,626,787	2.946	0.02037	Worker
R2875	489,340	3,626,787	2.889	0.01998	Worker
R2876	489,365	3,626,787	2.830	0.01957	Worker
R2877	489,390	3,626,787	2.768	0.01914	Worker
R2878	489,415	3,626,787	2.705	0.01871	Worker
R2879	489,440	3,626,787	2.660	0.01839	Worker
R2880	489,465	3,626,787	2.581	0.01784	Worker
R2881	489,490	3,626,787	2.513	0.01738	Worker
R2882	489,515	3,626,787	2.441	0.01688	Worker
R2883	489,540	3,626,787	2.375	0.01642	Worker
R2884	489,565	3,626,787	2.309	0.01596	Worker
R2885	489,590	3,626,787	2.242	0.01550	Worker
R2886	489,615	3,626,787	2.176	0.01504	Worker
R2887	489,640	3,626,787	2.112	0.01460	Worker
R2888	489,665	3,626,787	2.050	0.01417	Worker
R2889	489,690	3,626,787	1.989	0.01375	Worker
R2890	489,715	3,626,787	1.932	0.01335	Worker
R2891	487,540	3,626,762	3.012	0.00231	Resident
R2892	487,565	3,626,762	3.124	0.00239	Resident
R2893	487,590	3,626,762	3.237	0.00248	Resident
R2894	487,615	3,626,762	3.363	0.00258	Resident
R2895	487,640	3,626,762	3.498	0.00268	Resident
R2896	487,665	3,626,762	0.404	0.00279	Worker
R2897	487,690	3,626,762	0.422	0.00292	Worker
R2898	487,715	3,626,762	0.441	0.00305	Worker
R2899	487,740	3,626,762	0.463	0.00320	Worker
R2900	487,765	3,626,762	0.487	0.00336	Worker
R2901	487,790	3,626,762	0.513	0.00355	Worker
R2902	487,815	3,626,762	0.543	0.00375	Worker
R2903	487,840	3,626,762	0.575	0.00398	Worker
R2904	487,865	3,626,762	0.613	0.00424	Worker
R2905	487,890	3,626,762	0.658	0.00455	Worker
R2906	487,915	3,626,762	0.710	0.00491	Worker
R2907	487,940	3,626,762	0.774	0.00535	Worker
R2908	487,965	3,626,762	0.855	0.00591	Worker
R2909	487,990	3,626,762	0.963	0.00666	Worker
R2910	488,015	3,626,762	1.104	0.00764	Worker
R2911	488,040	3,626,762	1.295	0.00896	Worker
R2912	488,065	3,626,762	1.587	0.01097	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2913	488,090	3,626,762	2.074	0.01434	Worker
R2914	488,115	3,626,762	2.937	0.02031	Worker
R2915	488,690	3,626,762	3.880	0.02682	Worker
R2916	488,715	3,626,762	3.819	0.02640	Worker
R2917	488,740	3,626,762	3.749	0.02592	Worker
R2918	488,765	3,626,762	3.701	0.02559	Worker
R2919	488,790	3,626,762	3.655	0.02527	Worker
R2920	488,815	3,626,762	3.598	0.02488	Worker
R2921	488,840	3,626,762	3.547	0.02452	Worker
R2922	488,865	3,626,762	3.511	0.02428	Worker
R2923	488,890	3,626,762	3.481	0.02407	Worker
R2924	488,915	3,626,762	3.449	0.02384	Worker
R2925	488,940	3,626,762	3.411	0.02358	Worker
R2926	488,965	3,626,762	3.372	0.02331	Worker
R2927	488,990	3,626,762	3.332	0.02304	Worker
R2928	489,015	3,626,762	3.293	0.02277	Worker
R2929	489,040	3,626,762	3.253	0.02249	Worker
R2930	489,065	3,626,762	3.209	0.02219	Worker
R2931	489,090	3,626,762	3.165	0.02188	Worker
R2932	489,115	3,626,762	3.122	0.02159	Worker
R2933	489,140	3,626,762	3.079	0.02129	Worker
R2934	489,165	3,626,762	3.036	0.02099	Worker
R2935	489,190	3,626,762	2.993	0.02070	Worker
R2936	489,215	3,626,762	2.949	0.02039	Worker
R2937	489,240	3,626,762	2.905	0.02009	Worker
R2938	489,265	3,626,762	2.861	0.01978	Worker
R2939	489,290	3,626,762	2.815	0.01946	Worker
R2940	489,315	3,626,762	2.768	0.01914	Worker
R2941	489,340	3,626,762	2.719	0.01880	Worker
R2942	489,365	3,626,762	2.669	0.01845	Worker
R2943	489,390	3,626,762	2.616	0.01809	Worker
R2944	489,415	3,626,762	2.562	0.01771	Worker
R2945	489,440	3,626,762	2.506	0.01733	Worker
R2946	489,465	3,626,762	2.449	0.01693	Worker
R2947	489,490	3,626,762	2.390	0.01653	Worker
R2948	489,515	3,626,762	2.332	0.01612	Worker
R2949	489,540	3,626,762	2.273	0.01572	Worker
R2950	489,565	3,626,762	2.215	0.01531	Worker
R2951	489,590	3,626,762	2.157	0.01491	Worker
R2952	489,615	3,626,762	2.100	0.01452	Worker
R2953	489,640	3,626,762	2.043	0.01412	Worker
R2954	489,665	3,626,762	1.987	0.01374	Worker
R2955	489,690	3,626,762	1.932	0.01336	Worker
R2956	487,515	3,626,737	2.896	0.00222	Resident
R2957	487,540	3,626,737	3.001	0.00230	Resident
R2958	487,565	3,626,737	3.108	0.00238	Resident
R2959	487,590	3,626,737	3.224	0.00247	Resident
R2960	487,615	3,626,737	3.344	0.00256	Resident
R2961	487,640	3,626,737	3.477	0.00266	Resident
R2962	487,665	3,626,737	3.622	0.00278	Resident
R2963	487,690	3,626,737	0.419	0.00290	Worker
R2964	487,715	3,626,737	0.438	0.00303	Worker
R2965	487,740	3,626,737	0.460	0.00318	Worker
R2966	487,765	3,626,737	0.483	0.00334	Worker
R2967	487,790	3,626,737	0.509	0.00352	Worker
R2968	487,815	3,626,737	0.539	0.00373	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2969	487,840	3,626,737	0.571	0.00394	Worker
R2970	487,865	3,626,737	0.610	0.00422	Worker
R2971	487,890	3,626,737	0.657	0.00454	Worker
R2972	487,915	3,626,737	0.710	0.00491	Worker
R2973	487,940	3,626,737	0.778	0.00538	Worker
R2974	487,965	3,626,737	0.868	0.00600	Worker
R2975	487,990	3,626,737	0.988	0.00683	Worker
R2976	488,015	3,626,737	1.162	0.00803	Worker
R2977	488,040	3,626,737	1.427	0.00987	Worker
R2978	488,065	3,626,737	1.872	0.01294	Worker
R2979	488,090	3,626,737	2.681	0.01853	Worker
R2980	488,690	3,626,737	3.450	0.02385	Worker
R2981	488,715	3,626,737	3.397	0.02349	Worker
R2982	488,740	3,626,737	3.350	0.02316	Worker
R2983	488,765	3,626,737	3.320	0.02295	Worker
R2984	488,790	3,626,737	3.294	0.02277	Worker
R2985	488,815	3,626,737	3.258	0.02252	Worker
R2986	488,840	3,626,737	3.227	0.02231	Worker
R2987	488,865	3,626,737	3.205	0.02216	Worker
R2988	488,890	3,626,737	3.184	0.02202	Worker
R2989	488,915	3,626,737	3.169	0.02191	Worker
R2990	488,940	3,626,737	3.139	0.02171	Worker
R2991	488,965	3,626,737	3.104	0.02146	Worker
R2992	488,990	3,626,737	3.068	0.02121	Worker
R2993	489,015	3,626,737	3.033	0.02097	Worker
R2994	489,040	3,626,737	2.998	0.02073	Worker
R2995	489,065	3,626,737	2.964	0.02049	Worker
R2996	489,090	3,626,737	2.930	0.02026	Worker
R2997	489,115	3,626,737	2.895	0.02002	Worker
R2998	489,140	3,626,737	2.860	0.01977	Worker
R2999	489,165	3,626,737	2.825	0.01953	Worker
R3000	489,190	3,626,737	2.790	0.01929	Worker
R3001	489,215	3,626,737	2.755	0.01905	Worker
R3002	489,240	3,626,737	2.719	0.01880	Worker
R3003	489,265	3,626,737	2.682	0.01854	Worker
R3004	489,290	3,626,737	2.644	0.01828	Worker
R3005	489,315	3,626,737	2.603	0.01800	Worker
R3006	489,340	3,626,737	2.562	0.01771	Worker
R3007	489,365	3,626,737	2.518	0.01741	Worker
R3008	489,390	3,626,737	2.473	0.01710	Worker
R3009	489,415	3,626,737	2.426	0.01677	Worker
R3010	489,440	3,626,737	2.378	0.01644	Worker
R3011	489,465	3,626,737	2.328	0.01609	Worker
R3012	489,490	3,626,737	2.277	0.01575	Worker
R3013	489,515	3,626,737	2.226	0.01539	Worker
R3014	489,540	3,626,737	2.175	0.01504	Worker
R3015	489,565	3,626,737	2.123	0.01468	Worker
R3016	489,590	3,626,737	2.072	0.01432	Worker
R3017	489,615	3,626,737	2.021	0.01397	Worker
R3018	489,640	3,626,737	1.970	0.01362	Worker
R3019	489,665	3,626,737	1.920	0.01327	Worker
R3020	487,515	3,626,712	2.883	0.00221	Resident
R3021	487,540	3,626,712	2.981	0.00228	Resident
R3022	487,565	3,626,712	3.088	0.00237	Resident
R3023	487,590	3,626,712	3.203	0.00245	Resident
R3024	487,615	3,626,712	3.322	0.00255	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3025	487,640	3,626,712	3.455	0.00265	Resident
R3026	487,665	3,626,712	3.591	0.00275	Resident
R3027	487,690	3,626,712	3.749	0.00287	Resident
R3028	487,715	3,626,712	0.435	0.00301	Worker
R3029	487,740	3,626,712	0.456	0.00315	Worker
R3030	487,765	3,626,712	0.479	0.00331	Worker
R3031	487,790	3,626,712	0.505	0.00349	Worker
R3032	487,815	3,626,712	0.533	0.00368	Worker
R3033	487,840	3,626,712	0.567	0.00392	Worker
R3034	487,865	3,626,712	0.606	0.00419	Worker
R3035	487,890	3,626,712	0.653	0.00451	Worker
R3036	487,915	3,626,712	0.709	0.00490	Worker
R3037	487,940	3,626,712	0.783	0.00541	Worker
R3038	487,965	3,626,712	0.879	0.00608	Worker
R3039	487,990	3,626,712	1.026	0.00709	Worker
R3040	488,015	3,626,712	1.259	0.00870	Worker
R3041	488,040	3,626,712	1.662	0.01149	Worker
R3042	488,065	3,626,712	2.418	0.01672	Worker
R3043	488,690	3,626,712	3.075	0.02126	Worker
R3044	488,715	3,626,712	3.047	0.02107	Worker
R3045	488,740	3,626,712	3.024	0.02091	Worker
R3046	488,765	3,626,712	3.008	0.02080	Worker
R3047	488,790	3,626,712	2.979	0.02060	Worker
R3048	488,815	3,626,712	2.965	0.02050	Worker
R3049	488,840	3,626,712	2.968	0.02052	Worker
R3050	488,865	3,626,712	2.960	0.02047	Worker
R3051	488,890	3,626,712	2.933	0.02028	Worker
R3052	488,915	3,626,712	2.905	0.02008	Worker
R3053	488,940	3,626,712	2.879	0.01991	Worker
R3054	488,965	3,626,712	2.854	0.01974	Worker
R3055	488,990	3,626,712	2.834	0.01959	Worker
R3056	489,015	3,626,712	2.805	0.01940	Worker
R3057	489,040	3,626,712	2.776	0.01919	Worker
R3058	489,065	3,626,712	2.747	0.01899	Worker
R3059	489,090	3,626,712	2.718	0.01879	Worker
R3060	489,115	3,626,712	2.691	0.01860	Worker
R3061	489,140	3,626,712	2.663	0.01841	Worker
R3062	489,165	3,626,712	2.635	0.01822	Worker
R3063	489,190	3,626,712	2.607	0.01802	Worker
R3064	489,215	3,626,712	2.579	0.01783	Worker
R3065	489,240	3,626,712	2.551	0.01764	Worker
R3066	489,265	3,626,712	2.522	0.01744	Worker
R3067	489,290	3,626,712	2.491	0.01722	Worker
R3068	489,315	3,626,712	2.458	0.01700	Worker
R3069	489,340	3,626,712	2.422	0.01675	Worker
R3070	489,365	3,626,712	2.380	0.01646	Worker
R3071	489,390	3,626,712	2.339	0.01617	Worker
R3072	489,415	3,626,712	2.298	0.01589	Worker
R3073	489,440	3,626,712	2.258	0.01561	Worker
R3074	489,465	3,626,712	2.218	0.01533	Worker
R3075	489,490	3,626,712	2.174	0.01503	Worker
R3076	489,515	3,626,712	2.134	0.01475	Worker
R3077	489,540	3,626,712	2.083	0.01440	Worker
R3078	489,565	3,626,712	2.034	0.01406	Worker
R3079	489,590	3,626,712	1.988	0.01375	Worker
R3080	489,615	3,626,712	1.944	0.01344	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3081	489,640	3,626,712	1.901	0.01315	Worker
R3082	487,515	3,626,687	2.864	0.00219	Resident
R3083	487,540	3,626,687	2.963	0.00227	Resident
R3084	487,565	3,626,687	3.067	0.00235	Resident
R3085	487,590	3,626,687	3.177	0.00243	Resident
R3086	487,615	3,626,687	3.293	0.00252	Resident
R3087	487,640	3,626,687	3.418	0.00262	Resident
R3088	487,665	3,626,687	3.559	0.00273	Resident
R3089	487,690	3,626,687	3.714	0.00285	Resident
R3090	487,715	3,626,687	3.876	0.00297	Resident
R3091	487,740	3,626,687	0.451	0.00312	Worker
R3092	487,765	3,626,687	0.474	0.00327	Worker
R3093	487,790	3,626,687	0.498	0.00345	Worker
R3094	487,815	3,626,687	0.527	0.00364	Worker
R3095	487,840	3,626,687	0.559	0.00387	Worker
R3096	487,865	3,626,687	0.599	0.00414	Worker
R3097	487,890	3,626,687	0.645	0.00446	Worker
R3098	487,915	3,626,687	0.703	0.00486	Worker
R3099	487,940	3,626,687	0.779	0.00539	Worker
R3100	487,965	3,626,687	0.888	0.00614	Worker
R3101	487,990	3,626,687	1.072	0.00741	Worker
R3102	488,015	3,626,687	1.437	0.00993	Worker
R3103	488,040	3,626,687	2.167	0.01499	Worker
R3104	488,665	3,626,687	2.789	0.01928	Worker
R3105	488,690	3,626,687	2.775	0.01919	Worker
R3106	488,715	3,626,687	2.764	0.01911	Worker
R3107	488,740	3,626,687	2.742	0.01896	Worker
R3108	488,765	3,626,687	2.737	0.01892	Worker
R3109	488,790	3,626,687	2.755	0.01905	Worker
R3110	488,815	3,626,687	2.744	0.01897	Worker
R3111	488,840	3,626,687	2.723	0.01883	Worker
R3112	488,865	3,626,687	2.704	0.01869	Worker
R3113	488,890	3,626,687	2.699	0.01866	Worker
R3114	488,915	3,626,687	2.684	0.01856	Worker
R3115	488,940	3,626,687	2.663	0.01841	Worker
R3116	488,965	3,626,687	2.640	0.01825	Worker
R3117	488,990	3,626,687	2.621	0.01812	Worker
R3118	489,015	3,626,687	2.606	0.01801	Worker
R3119	489,040	3,626,687	2.589	0.01790	Worker
R3120	489,065	3,626,687	2.574	0.01780	Worker
R3121	489,090	3,626,687	2.551	0.01764	Worker
R3122	489,115	3,626,687	2.522	0.01744	Worker
R3123	489,140	3,626,687	2.494	0.01724	Worker
R3124	489,165	3,626,687	2.469	0.01707	Worker
R3125	489,190	3,626,687	2.443	0.01689	Worker
R3126	489,215	3,626,687	2.419	0.01673	Worker
R3127	489,240	3,626,687	2.396	0.01657	Worker
R3128	489,265	3,626,687	2.372	0.01640	Worker
R3129	489,290	3,626,687	2.349	0.01624	Worker
R3130	489,315	3,626,687	2.327	0.01609	Worker
R3131	489,340	3,626,687	2.296	0.01587	Worker
R3132	489,365	3,626,687	2.261	0.01563	Worker
R3133	489,390	3,626,687	2.228	0.01540	Worker
R3134	489,415	3,626,687	2.192	0.01516	Worker
R3135	489,440	3,626,687	2.155	0.01490	Worker
R3136	489,465	3,626,687	2.123	0.01468	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3137	489,490	3,626,687	2.083	0.01440	Worker
R3138	489,515	3,626,687	2.044	0.01413	Worker
R3139	489,540	3,626,687	2.004	0.01386	Worker
R3140	489,565	3,626,687	1.956	0.01352	Worker
R3141	489,590	3,626,687	1.912	0.01322	Worker
R3142	489,615	3,626,687	1.871	0.01293	Worker
R3143	487,515	3,626,662	2.847	0.00218	Resident
R3144	487,540	3,626,662	2.935	0.00225	Resident
R3145	487,565	3,626,662	3.039	0.00233	Resident
R3146	487,590	3,626,662	3.147	0.00241	Resident
R3147	487,615	3,626,662	3.258	0.00250	Resident
R3148	487,640	3,626,662	3.382	0.00259	Resident
R3149	487,665	3,626,662	3.525	0.00270	Resident
R3150	487,690	3,626,662	3.672	0.00281	Resident
R3151	487,715	3,626,662	3.831	0.00294	Resident
R3152	487,740	3,626,662	4.002	0.00307	Resident
R3153	487,765	3,626,662	0.467	0.00323	Worker
R3154	487,790	3,626,662	0.491	0.00340	Worker
R3155	487,815	3,626,662	0.518	0.00358	Worker
R3156	487,840	3,626,662	0.550	0.00381	Worker
R3157	487,865	3,626,662	0.588	0.00406	Worker
R3158	487,890	3,626,662	0.633	0.00438	Worker
R3159	487,915	3,626,662	0.690	0.00477	Worker
R3160	487,940	3,626,662	0.764	0.00528	Worker
R3161	487,965	3,626,662	0.885	0.00612	Worker
R3162	487,990	3,626,662	1.114	0.00770	Worker
R3163	488,015	3,626,662	1.683	0.01163	Worker
R3164	488,640	3,626,662	2.530	0.01749	Worker
R3165	488,665	3,626,662	2.518	0.01741	Worker
R3166	488,690	3,626,662	2.513	0.01737	Worker
R3167	488,715	3,626,662	2.508	0.01734	Worker
R3168	488,740	3,626,662	2.535	0.01752	Worker
R3169	488,765	3,626,662	2.530	0.01750	Worker
R3170	488,790	3,626,662	2.515	0.01739	Worker
R3171	488,815	3,626,662	2.502	0.01730	Worker
R3172	488,840	3,626,662	2.516	0.01740	Worker
R3173	488,865	3,626,662	2.505	0.01732	Worker
R3174	488,890	3,626,662	2.488	0.01720	Worker
R3175	488,915	3,626,662	2.474	0.01710	Worker
R3176	488,940	3,626,662	2.464	0.01704	Worker
R3177	488,965	3,626,662	2.448	0.01693	Worker
R3178	488,990	3,626,662	2.436	0.01684	Worker
R3179	489,015	3,626,662	2.426	0.01677	Worker
R3180	489,040	3,626,662	2.413	0.01669	Worker
R3181	489,065	3,626,662	2.399	0.01659	Worker
R3182	489,090	3,626,662	2.367	0.01636	Worker
R3183	489,115	3,626,662	2.345	0.01621	Worker
R3184	489,140	3,626,662	2.328	0.01610	Worker
R3185	489,165	3,626,662	2.307	0.01595	Worker
R3186	489,190	3,626,662	2.289	0.01582	Worker
R3187	489,215	3,626,662	2.280	0.01576	Worker
R3188	489,240	3,626,662	2.250	0.01555	Worker
R3189	489,265	3,626,662	2.226	0.01539	Worker
R3190	489,290	3,626,662	2.211	0.01529	Worker
R3191	489,315	3,626,662	2.197	0.01519	Worker
R3192	489,340	3,626,662	2.170	0.01501	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3193	489,365	3,626,662	2.142	0.01481	Worker
R3194	489,390	3,626,662	2.111	0.01459	Worker
R3195	489,415	3,626,662	2.082	0.01439	Worker
R3196	489,440	3,626,662	2.054	0.01420	Worker
R3197	489,465	3,626,662	2.022	0.01398	Worker
R3198	489,490	3,626,662	1.985	0.01372	Worker
R3199	489,515	3,626,662	1.950	0.01348	Worker
R3200	489,540	3,626,662	1.917	0.01326	Worker
R3201	489,565	3,626,662	1.880	0.01300	Worker
R3202	489,590	3,626,662	1.841	0.01273	Worker
R3203	487,515	3,626,637	2.824	0.00216	Resident
R3204	487,540	3,626,637	2.915	0.00223	Resident
R3205	487,565	3,626,637	3.003	0.00230	Resident
R3206	487,590	3,626,637	3.108	0.00238	Resident
R3207	487,615	3,626,637	3.220	0.00247	Resident
R3208	487,640	3,626,637	3.347	0.00256	Resident
R3209	487,665	3,626,637	3.479	0.00267	Resident
R3210	487,690	3,626,637	3.621	0.00278	Resident
R3211	487,715	3,626,637	3.779	0.00290	Resident
R3212	487,740	3,626,637	3.944	0.00302	Resident
R3213	487,765	3,626,637	4.125	0.00316	Resident
R3214	487,790	3,626,637	0.482	0.00333	Worker
R3215	487,815	3,626,637	0.508	0.00351	Worker
R3216	487,840	3,626,637	0.539	0.00373	Worker
R3217	487,865	3,626,637	0.572	0.00396	Worker
R3218	487,890	3,626,637	0.615	0.00425	Worker
R3219	487,915	3,626,637	0.667	0.00461	Worker
R3220	487,940	3,626,637	0.740	0.00512	Worker
R3221	487,965	3,626,637	0.852	0.00589	Worker
R3222	487,990	3,626,637	1.073	0.00742	Worker
R3223	488,615	3,626,637	2.286	0.01581	Worker
R3224	488,640	3,626,637	2.285	0.01580	Worker
R3225	488,665	3,626,637	2.285	0.01580	Worker
R3226	488,690	3,626,637	2.312	0.01599	Worker
R3227	488,715	3,626,637	2.322	0.01606	Worker
R3228	488,740	3,626,637	2.313	0.01599	Worker
R3229	488,765	3,626,637	2.309	0.01597	Worker
R3230	488,790	3,626,637	2.326	0.01608	Worker
R3231	488,815	3,626,637	2.322	0.01605	Worker
R3232	488,840	3,626,637	2.312	0.01599	Worker
R3233	488,865	3,626,637	2.309	0.01597	Worker
R3234	488,890	3,626,637	2.302	0.01592	Worker
R3235	488,915	3,626,637	2.291	0.01584	Worker
R3236	488,940	3,626,637	2.285	0.01580	Worker
R3237	488,965	3,626,637	2.274	0.01572	Worker
R3238	488,990	3,626,637	2.266	0.01567	Worker
R3239	489,015	3,626,637	2.260	0.01562	Worker
R3240	489,040	3,626,637	2.249	0.01555	Worker
R3241	489,065	3,626,637	2.236	0.01546	Worker
R3242	489,090	3,626,637	2.211	0.01528	Worker
R3243	489,115	3,626,637	2.193	0.01516	Worker
R3244	489,140	3,626,637	2.180	0.01507	Worker
R3245	489,165	3,626,637	2.170	0.01501	Worker
R3246	489,190	3,626,637	2.159	0.01493	Worker
R3247	489,215	3,626,637	2.134	0.01475	Worker
R3248	489,240	3,626,637	2.129	0.01472	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3249	489,265	3,626,637	2.108	0.01457	Worker
R3250	489,290	3,626,637	2.102	0.01454	Worker
R3251	489,315	3,626,637	2.075	0.01435	Worker
R3252	489,340	3,626,637	2.055	0.01420	Worker
R3253	489,365	3,626,637	2.030	0.01404	Worker
R3254	489,390	3,626,637	2.001	0.01384	Worker
R3255	489,415	3,626,637	1.973	0.01364	Worker
R3256	489,440	3,626,637	1.947	0.01346	Worker
R3257	489,465	3,626,637	1.920	0.01327	Worker
R3258	489,490	3,626,637	1.893	0.01309	Worker
R3259	489,515	3,626,637	1.861	0.01287	Worker
R3260	489,540	3,626,637	1.832	0.01267	Worker
R3261	489,565	3,626,637	1.804	0.01247	Worker
R3262	487,515	3,626,612	2.797	0.00214	Resident
R3263	487,540	3,626,612	2.887	0.00221	Resident
R3264	487,565	3,626,612	2.974	0.00228	Resident
R3265	487,590	3,626,612	3.072	0.00235	Resident
R3266	487,615	3,626,612	3.182	0.00244	Resident
R3267	487,640	3,626,612	3.304	0.00253	Resident
R3268	487,665	3,626,612	3.431	0.00263	Resident
R3269	487,690	3,626,612	3.563	0.00273	Resident
R3270	487,715	3,626,612	3.711	0.00284	Resident
R3271	487,740	3,626,612	3.873	0.00297	Resident
R3272	487,765	3,626,612	4.049	0.00310	Resident
R3273	487,790	3,626,612	4.238	0.00325	Resident
R3274	487,815	3,626,612	0.495	0.00342	Worker
R3275	487,840	3,626,612	0.524	0.00362	Worker
R3276	487,865	3,626,612	0.555	0.00384	Worker
R3277	487,890	3,626,612	0.593	0.00410	Worker
R3278	487,915	3,626,612	0.640	0.00443	Worker
R3279	487,940	3,626,612	0.701	0.00485	Worker
R3280	487,965	3,626,612	0.786	0.00544	Worker
R3281	487,990	3,626,612	0.904	0.00625	Worker
R3282	488,015	3,626,612	1.157	0.00800	Worker
R3283	488,590	3,626,612	2.059	0.01424	Worker
R3284	488,615	3,626,612	2.067	0.01429	Worker
R3285	488,640	3,626,612	2.083	0.01440	Worker
R3286	488,665	3,626,612	2.117	0.01464	Worker
R3287	488,690	3,626,612	2.115	0.01462	Worker
R3288	488,715	3,626,612	2.111	0.01460	Worker
R3289	488,740	3,626,612	2.134	0.01475	Worker
R3290	488,765	3,626,612	2.140	0.01480	Worker
R3291	488,790	3,626,612	2.135	0.01476	Worker
R3292	488,815	3,626,612	2.143	0.01482	Worker
R3293	488,840	3,626,612	2.138	0.01478	Worker
R3294	488,865	3,626,612	2.135	0.01476	Worker
R3295	488,890	3,626,612	2.130	0.01473	Worker
R3296	488,915	3,626,612	2.131	0.01474	Worker
R3297	488,940	3,626,612	2.127	0.01470	Worker
R3298	488,965	3,626,612	2.118	0.01464	Worker
R3299	488,990	3,626,612	2.112	0.01460	Worker
R3300	489,015	3,626,612	2.107	0.01457	Worker
R3301	489,040	3,626,612	2.098	0.01451	Worker
R3302	489,065	3,626,612	2.084	0.01441	Worker
R3303	489,090	3,626,612	2.067	0.01429	Worker
R3304	489,115	3,626,612	2.055	0.01421	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3305	489,140	3,626,612	2.046	0.01415	Worker
R3306	489,165	3,626,612	2.037	0.01408	Worker
R3307	489,190	3,626,612	2.028	0.01402	Worker
R3308	489,215	3,626,612	2.009	0.01389	Worker
R3309	489,240	3,626,612	2.000	0.01383	Worker
R3310	489,265	3,626,612	1.964	0.01358	Worker
R3311	489,290	3,626,612	1.966	0.01360	Worker
R3312	489,315	3,626,612	1.971	0.01362	Worker
R3313	489,340	3,626,612	1.933	0.01336	Worker
R3314	489,365	3,626,612	1.918	0.01326	Worker
R3315	489,390	3,626,612	1.902	0.01315	Worker
R3316	489,415	3,626,612	1.882	0.01301	Worker
R3317	489,440	3,626,612	1.853	0.01281	Worker
R3318	489,465	3,626,612	1.826	0.01263	Worker
R3319	489,490	3,626,612	1.802	0.01246	Worker
R3320	489,515	3,626,612	1.780	0.01231	Worker
R3321	487,515	3,626,587	2.767	0.00212	Resident
R3322	487,540	3,626,587	2.855	0.00219	Resident
R3323	487,565	3,626,587	2.937	0.00225	Resident
R3324	487,590	3,626,587	0.337	0.00233	Worker
R3325	487,615	3,626,587	0.348	0.00241	Worker
R3326	487,640	3,626,587	3.251	0.00249	Resident
R3327	487,665	3,626,587	3.371	0.00258	Resident
R3328	487,690	3,626,587	3.499	0.00268	Resident
R3329	487,715	3,626,587	3.634	0.00279	Resident
R3330	487,740	3,626,587	3.787	0.00290	Resident
R3331	487,765	3,626,587	3.949	0.00303	Resident
R3332	487,790	3,626,587	4.133	0.00317	Resident
R3333	487,815	3,626,587	4.333	0.00332	Resident
R3334	487,840	3,626,587	0.506	0.00350	Worker
R3335	487,865	3,626,587	0.536	0.00370	Worker
R3336	487,890	3,626,587	0.569	0.00393	Worker
R3337	487,915	3,626,587	0.608	0.00420	Worker
R3338	487,940	3,626,587	0.655	0.00453	Worker
R3339	487,965	3,626,587	0.706	0.00488	Worker
R3340	487,990	3,626,587	0.781	0.00540	Worker
R3341	488,015	3,626,587	0.892	0.00617	Worker
R3342	488,040	3,626,587	1.055	0.00729	Worker
R3343	488,240	3,626,587	1.663	0.01150	Worker
R3344	488,265	3,626,587	1.733	0.01198	Worker
R3345	488,290	3,626,587	1.788	0.01236	Worker
R3346	488,565	3,626,587	1.854	0.01282	Worker
R3347	488,590	3,626,587	1.864	0.01289	Worker
R3348	488,615	3,626,587	1.897	0.01311	Worker
R3349	488,640	3,626,587	1.919	0.01327	Worker
R3350	488,665	3,626,587	1.922	0.01329	Worker
R3351	488,690	3,626,587	1.938	0.01340	Worker
R3352	488,715	3,626,587	1.959	0.01354	Worker
R3353	488,740	3,626,587	1.961	0.01356	Worker
R3354	488,765	3,626,587	1.968	0.01361	Worker
R3355	488,790	3,626,587	1.974	0.01365	Worker
R3356	488,815	3,626,587	1.976	0.01366	Worker
R3357	488,840	3,626,587	1.978	0.01367	Worker
R3358	488,865	3,626,587	1.978	0.01367	Worker
R3359	488,890	3,626,587	1.976	0.01366	Worker
R3360	488,915	3,626,587	1.973	0.01364	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3361	488,940	3,626,587	1.968	0.01361	Worker
R3362	488,965	3,626,587	1.974	0.01365	Worker
R3363	488,990	3,626,587	1.970	0.01362	Worker
R3364	489,015	3,626,587	1.960	0.01355	Worker
R3365	489,040	3,626,587	1.952	0.01350	Worker
R3366	489,065	3,626,587	1.944	0.01344	Worker
R3367	489,090	3,626,587	1.924	0.01330	Worker
R3368	489,115	3,626,587	1.910	0.01321	Worker
R3369	489,140	3,626,587	1.892	0.01308	Worker
R3370	489,165	3,626,587	1.868	0.01292	Worker
R3371	489,190	3,626,587	1.844	0.01275	Worker
R3372	489,215	3,626,587	1.837	0.01270	Worker
R3373	489,240	3,626,587	1.831	0.01266	Worker
R3374	489,265	3,626,587	1.819	0.01257	Worker
R3375	489,290	3,626,587	1.803	0.01247	Worker
R3376	489,315	3,626,587	1.798	0.01243	Worker
R3377	489,340	3,626,587	1.793	0.01240	Worker
R3378	489,365	3,626,587	1.771	0.01225	Worker
R3379	489,390	3,626,587	1.767	0.01222	Worker
R3380	489,415	3,626,587	1.784	0.01234	Worker
R3381	489,440	3,626,587	1.761	0.01218	Worker
R3382	489,465	3,626,587	1.748	0.01209	Worker
R3383	487,515	3,626,562	2.734	0.00210	Resident
R3384	487,540	3,626,562	2.812	0.00215	Resident
R3385	487,565	3,626,562	2.901	0.00222	Resident
R3386	487,590	3,626,562	0.332	0.00229	Worker
R3387	487,615	3,626,562	0.343	0.00237	Worker
R3388	487,640	3,626,562	0.354	0.00245	Worker
R3389	487,665	3,626,562	3.309	0.00254	Resident
R3390	487,690	3,626,562	3.425	0.00263	Resident
R3391	487,715	3,626,562	3.550	0.00272	Resident
R3392	487,740	3,626,562	3.693	0.00283	Resident
R3393	487,765	3,626,562	3.850	0.00295	Resident
R3394	487,790	3,626,562	4.018	0.00308	Resident
R3395	487,815	3,626,562	4.200	0.00322	Resident
R3396	487,840	3,626,562	4.393	0.00337	Resident
R3397	487,865	3,626,562	0.514	0.00355	Worker
R3398	487,890	3,626,562	0.542	0.00374	Worker
R3399	487,915	3,626,562	0.574	0.00397	Worker
R3400	487,940	3,626,562	0.605	0.00418	Worker
R3401	487,965	3,626,562	0.641	0.00443	Worker
R3402	487,990	3,626,562	0.693	0.00479	Worker
R3403	488,015	3,626,562	0.753	0.00521	Worker
R3404	488,040	3,626,562	0.839	0.00580	Worker
R3405	488,065	3,626,562	0.940	0.00650	Worker
R3406	488,215	3,626,562	1.383	0.00956	Worker
R3407	488,240	3,626,562	1.461	0.01010	Worker
R3408	488,265	3,626,562	1.491	0.01031	Worker
R3409	488,290	3,626,562	1.513	0.01046	Worker
R3410	488,315	3,626,562	1.536	0.01062	Worker
R3411	488,515	3,626,562	1.653	0.01143	Worker
R3412	488,540	3,626,562	1.664	0.01150	Worker
R3413	488,565	3,626,562	1.681	0.01162	Worker
R3414	488,590	3,626,562	1.719	0.01189	Worker
R3415	488,615	3,626,562	1.733	0.01198	Worker
R3416	488,640	3,626,562	1.744	0.01206	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3417	488,665	3,626,562	1.776	0.01228	Worker
R3418	488,690	3,626,562	1.788	0.01236	Worker
R3419	488,715	3,626,562	1.795	0.01241	Worker
R3420	488,740	3,626,562	1.809	0.01251	Worker
R3421	488,765	3,626,562	1.815	0.01255	Worker
R3422	488,790	3,626,562	1.821	0.01259	Worker
R3423	488,815	3,626,562	1.826	0.01262	Worker
R3424	488,840	3,626,562	1.830	0.01265	Worker
R3425	488,865	3,626,562	1.833	0.01267	Worker
R3426	488,890	3,626,562	1.836	0.01269	Worker
R3427	488,915	3,626,562	1.831	0.01266	Worker
R3428	488,940	3,626,562	1.826	0.01262	Worker
R3429	488,965	3,626,562	1.830	0.01265	Worker
R3430	488,990	3,626,562	1.825	0.01262	Worker
R3431	489,015	3,626,562	1.800	0.01244	Worker
R3432	489,040	3,626,562	1.796	0.01242	Worker
R3433	489,065	3,626,562	1.786	0.01235	Worker
R3434	489,090	3,626,562	1.781	0.01231	Worker
R3435	489,115	3,626,562	1.749	0.01209	Worker
R3436	489,140	3,626,562	1.724	0.01192	Worker
R3437	489,165	3,626,562	1.708	0.01181	Worker
R3438	489,190	3,626,562	1.692	0.01170	Worker
R3439	489,215	3,626,562	1.708	0.01181	Worker
R3440	489,240	3,626,562	1.641	0.01135	Worker
R3441	489,265	3,626,562	1.532	0.01059	Worker
R3442	489,290	3,626,562	1.507	0.01042	Worker
R3443	489,315	3,626,562	1.486	0.01027	Worker
R3444	489,340	3,626,562	1.470	0.01016	Worker
R3445	489,365	3,626,562	1.446	0.01000	Worker
R3446	487,540	3,626,537	2.774	0.00213	Resident
R3447	487,565	3,626,537	2.855	0.00219	Resident
R3448	487,590	3,626,537	2.945	0.00226	Resident
R3449	487,615	3,626,537	0.337	0.00233	Worker
R3450	487,640	3,626,537	0.347	0.00240	Worker
R3451	487,665	3,626,537	3.234	0.00248	Resident
R3452	487,690	3,626,537	3.346	0.00256	Resident
R3453	487,715	3,626,537	3.469	0.00266	Resident
R3454	487,740	3,626,537	3.595	0.00276	Resident
R3455	487,765	3,626,537	3.736	0.00286	Resident
R3456	487,790	3,626,537	3.889	0.00298	Resident
R3457	487,815	3,626,537	4.048	0.00310	Resident
R3458	487,840	3,626,537	4.219	0.00323	Resident
R3459	487,865	3,626,537	4.414	0.00338	Resident
R3460	487,890	3,626,537	0.511	0.00353	Worker
R3461	487,915	3,626,537	0.532	0.00368	Worker
R3462	487,940	3,626,537	0.559	0.00386	Worker
R3463	487,965	3,626,537	0.591	0.00408	Worker
R3464	487,990	3,626,537	0.626	0.00432	Worker
R3465	488,015	3,626,537	0.667	0.00461	Worker
R3466	488,040	3,626,537	0.719	0.00497	Worker
R3467	488,065	3,626,537	0.784	0.00542	Worker
R3468	488,090	3,626,537	0.854	0.00590	Worker
R3469	488,190	3,626,537	1.116	0.00772	Worker
R3470	488,215	3,626,537	1.191	0.00824	Worker
R3471	488,240	3,626,537	1.234	0.00853	Worker
R3472	488,265	3,626,537	1.273	0.00880	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3473	488,290	3,626,537	1.302	0.00900	Worker
R3474	488,315	3,626,537	1.327	0.00918	Worker
R3475	488,490	3,626,537	1.470	0.01017	Worker
R3476	488,515	3,626,537	1.487	0.01028	Worker
R3477	488,540	3,626,537	1.519	0.01050	Worker
R3478	488,565	3,626,537	1.548	0.01070	Worker
R3479	488,590	3,626,537	1.563	0.01081	Worker
R3480	488,615	3,626,537	1.587	0.01097	Worker
R3481	488,640	3,626,537	1.615	0.01117	Worker
R3482	488,665	3,626,537	1.627	0.01125	Worker
R3483	488,690	3,626,537	1.643	0.01136	Worker
R3484	488,715	3,626,537	1.656	0.01145	Worker
R3485	488,740	3,626,537	1.665	0.01151	Worker
R3486	488,765	3,626,537	1.668	0.01153	Worker
R3487	488,790	3,626,537	1.674	0.01157	Worker
R3488	488,815	3,626,537	1.684	0.01164	Worker
R3489	488,840	3,626,537	1.682	0.01163	Worker
R3490	488,865	3,626,537	1.691	0.01169	Worker
R3491	488,890	3,626,537	1.696	0.01173	Worker
R3492	488,915	3,626,537	1.642	0.01135	Worker
R3493	488,940	3,626,537	1.637	0.01132	Worker
R3494	488,965	3,626,537	1.620	0.01120	Worker
R3495	488,990	3,626,537	1.604	0.01109	Worker
R3496	489,015	3,626,537	1.594	0.01102	Worker
R3497	489,040	3,626,537	1.568	0.01084	Worker
R3498	489,065	3,626,537	13.970	0.01071	Resident
R3499	489,090	3,626,537	13.458	0.01031	Resident
R3500	489,115	3,626,537	1.443	0.00998	Worker
R3501	489,140	3,626,537	1.397	0.00966	Worker
R3502	489,165	3,626,537	1.392	0.00962	Worker
R3503	487,540	3,626,512	2.728	0.00209	Resident
R3504	487,565	3,626,512	2.807	0.00215	Resident
R3505	487,590	3,626,512	2.888	0.00221	Resident
R3506	487,615	3,626,512	2.973	0.00228	Resident
R3507	487,640	3,626,512	3.065	0.00235	Resident
R3508	487,665	3,626,512	3.163	0.00242	Resident
R3509	487,690	3,626,512	3.260	0.00250	Resident
R3510	487,715	3,626,512	3.371	0.00258	Resident
R3511	487,740	3,626,512	3.487	0.00267	Resident
R3512	487,765	3,626,512	3.609	0.00277	Resident
R3513	487,790	3,626,512	3.742	0.00287	Resident
R3514	487,815	3,626,512	3.886	0.00298	Resident
R3515	487,840	3,626,512	0.445	0.00307	Worker
R3516	487,865	3,626,512	0.460	0.00318	Worker
R3517	487,890	3,626,512	0.481	0.00333	Worker
R3518	487,915	3,626,512	0.501	0.00346	Worker
R3519	487,940	3,626,512	0.522	0.00361	Worker
R3520	487,965	3,626,512	0.546	0.00378	Worker
R3521	487,990	3,626,512	0.573	0.00396	Worker
R3522	488,015	3,626,512	0.600	0.00415	Worker
R3523	488,040	3,626,512	0.641	0.00443	Worker
R3524	488,065	3,626,512	0.685	0.00473	Worker
R3525	488,090	3,626,512	0.732	0.00506	Worker
R3526	488,115	3,626,512	0.794	0.00549	Worker
R3527	488,140	3,626,512	0.837	0.00579	Worker
R3528	488,165	3,626,512	0.911	0.00630	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3529	488,190	3,626,512	0.968	0.00669	Worker
R3530	488,215	3,626,512	1.022	0.00707	Worker
R3531	488,240	3,626,512	1.064	0.00736	Worker
R3532	488,265	3,626,512	1.106	0.00765	Worker
R3533	488,290	3,626,512	1.136	0.00786	Worker
R3534	488,315	3,626,512	1.162	0.00804	Worker
R3535	488,340	3,626,512	1.187	0.00820	Worker
R3536	488,465	3,626,512	1.304	0.00901	Worker
R3537	488,490	3,626,512	1.326	0.00917	Worker
R3538	488,515	3,626,512	1.367	0.00945	Worker
R3539	488,540	3,626,512	1.389	0.00960	Worker
R3540	488,565	3,626,512	1.408	0.00974	Worker
R3541	488,590	3,626,512	1.442	0.00997	Worker
R3542	488,615	3,626,512	1.462	0.01011	Worker
R3543	488,640	3,626,512	1.478	0.01022	Worker
R3544	488,665	3,626,512	1.498	0.01035	Worker
R3545	488,690	3,626,512	1.512	0.01045	Worker
R3546	488,715	3,626,512	1.519	0.01050	Worker
R3547	488,740	3,626,512	1.522	0.01052	Worker
R3548	488,765	3,626,512	1.530	0.01058	Worker
R3549	488,790	3,626,512	1.488	0.01029	Worker
R3550	488,815	3,626,512	1.494	0.01033	Worker
R3551	488,840	3,626,512	1.487	0.01028	Worker
R3552	488,865	3,626,512	1.462	0.01011	Worker
R3553	488,890	3,626,512	1.445	0.00999	Worker
R3554	488,915	3,626,512	12.593	0.00965	Resident
R3555	488,940	3,626,512	12.311	0.00943	Resident
R3556	488,965	3,626,512	11.986	0.00919	Resident
R3557	488,990	3,626,512	1.296	0.00896	Worker
R3558	489,015	3,626,512	1.258	0.00870	Worker
R3559	489,040	3,626,512	1.251	0.00865	Worker
R3560	489,065	3,626,512	10.737	0.00823	Resident
R3561	489,090	3,626,512	10.314	0.00790	Resident
R3562	487,540	3,626,487	2.682	0.00206	Resident
R3563	487,565	3,626,487	2.757	0.00211	Resident
R3564	487,590	3,626,487	2.832	0.00217	Resident
R3565	487,615	3,626,487	2.910	0.00223	Resident
R3566	487,640	3,626,487	2.996	0.00230	Resident
R3567	487,665	3,626,487	3.084	0.00236	Resident
R3568	487,690	3,626,487	3.172	0.00243	Resident
R3569	487,715	3,626,487	3.268	0.00250	Resident
R3570	487,740	3,626,487	3.376	0.00259	Resident
R3571	487,765	3,626,487	3.480	0.00267	Resident
R3572	487,790	3,626,487	0.396	0.00274	Worker
R3573	487,815	3,626,487	0.407	0.00282	Worker
R3574	487,840	3,626,487	0.422	0.00292	Worker
R3575	487,865	3,626,487	0.440	0.00304	Worker
R3576	487,890	3,626,487	0.453	0.00313	Worker
R3577	487,915	3,626,487	0.470	0.00325	Worker
R3578	487,940	3,626,487	0.487	0.00337	Worker
R3579	487,965	3,626,487	0.506	0.00350	Worker
R3580	487,990	3,626,487	0.527	0.00364	Worker
R3581	488,015	3,626,487	0.549	0.00380	Worker
R3582	488,040	3,626,487	0.580	0.00401	Worker
R3583	488,065	3,626,487	0.612	0.00423	Worker
R3584	488,090	3,626,487	0.648	0.00448	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3585	488,115	3,626,487	0.697	0.00482	Worker
R3586	488,140	3,626,487	0.749	0.00518	Worker
R3587	488,165	3,626,487	0.794	0.00549	Worker
R3588	488,190	3,626,487	0.845	0.00584	Worker
R3589	488,215	3,626,487	0.882	0.00609	Worker
R3590	488,240	3,626,487	0.934	0.00646	Worker
R3591	488,265	3,626,487	0.974	0.00673	Worker
R3592	488,290	3,626,487	1.003	0.00694	Worker
R3593	488,315	3,626,487	1.030	0.00712	Worker
R3594	488,340	3,626,487	1.055	0.00729	Worker
R3595	488,365	3,626,487	1.078	0.00745	Worker
R3596	488,390	3,626,487	1.105	0.00764	Worker
R3597	488,415	3,626,487	1.130	0.00782	Worker
R3598	488,440	3,626,487	1.152	0.00797	Worker
R3599	488,465	3,626,487	1.185	0.00819	Worker
R3600	488,490	3,626,487	1.221	0.00844	Worker
R3601	488,515	3,626,487	1.243	0.00860	Worker
R3602	488,540	3,626,487	1.270	0.00878	Worker
R3603	488,565	3,626,487	1.300	0.00899	Worker
R3604	488,590	3,626,487	1.319	0.00912	Worker
R3605	488,615	3,626,487	1.343	0.00929	Worker
R3606	488,640	3,626,487	1.360	0.00940	Worker
R3607	488,665	3,626,487	1.377	0.00952	Worker
R3608	488,690	3,626,487	1.382	0.00955	Worker
R3609	488,715	3,626,487	1.391	0.00962	Worker
R3610	488,740	3,626,487	1.350	0.00933	Worker
R3611	488,765	3,626,487	1.316	0.00910	Worker
R3612	488,790	3,626,487	1.336	0.00924	Worker
R3613	488,815	3,626,487	1.346	0.00931	Worker
R3614	488,840	3,626,487	1.291	0.00892	Worker
R3615	488,865	3,626,487	1.210	0.00837	Worker
R3616	488,890	3,626,487	1.164	0.00804	Worker
R3617	488,915	3,626,487	9.816	0.00752	Resident
R3618	488,940	3,626,487	9.308	0.00713	Resident
R3619	488,965	3,626,487	8.992	0.00689	Resident
R3620	488,990	3,626,487	0.962	0.00665	Worker
R3621	489,015	3,626,487	0.944	0.00653	Worker
R3622	487,540	3,626,462	2.632	0.00202	Resident
R3623	487,565	3,626,462	2.701	0.00207	Resident
R3624	487,590	3,626,462	2.772	0.00212	Resident
R3625	487,615	3,626,462	2.844	0.00218	Resident
R3626	487,640	3,626,462	2.919	0.00224	Resident
R3627	487,665	3,626,462	3.000	0.00230	Resident
R3628	487,690	3,626,462	3.083	0.00236	Resident
R3629	487,715	3,626,462	0.349	0.00242	Worker
R3630	487,740	3,626,462	0.358	0.00247	Worker
R3631	487,765	3,626,462	0.368	0.00254	Worker
R3632	487,790	3,626,462	0.379	0.00262	Worker
R3633	487,815	3,626,462	0.391	0.00270	Worker
R3634	487,840	3,626,462	0.403	0.00279	Worker
R3635	487,865	3,626,462	0.416	0.00288	Worker
R3636	487,890	3,626,462	0.429	0.00297	Worker
R3637	487,915	3,626,462	0.443	0.00306	Worker
R3638	487,940	3,626,462	0.457	0.00316	Worker
R3639	487,965	3,626,462	0.472	0.00326	Worker
R3640	487,990	3,626,462	0.488	0.00337	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3641	488,015	3,626,462	0.507	0.00350	Worker
R3642	488,040	3,626,462	0.530	0.00366	Worker
R3643	488,065	3,626,462	0.555	0.00384	Worker
R3644	488,090	3,626,462	0.589	0.00407	Worker
R3645	488,115	3,626,462	0.628	0.00434	Worker
R3646	488,140	3,626,462	0.665	0.00460	Worker
R3647	488,165	3,626,462	0.698	0.00482	Worker
R3648	488,190	3,626,462	0.737	0.00509	Worker
R3649	488,215	3,626,462	0.776	0.00537	Worker
R3650	488,240	3,626,462	0.829	0.00573	Worker
R3651	488,265	3,626,462	0.868	0.00600	Worker
R3652	488,290	3,626,462	0.897	0.00620	Worker
R3653	488,315	3,626,462	0.921	0.00636	Worker
R3654	488,340	3,626,462	0.946	0.00654	Worker
R3655	488,365	3,626,462	0.970	0.00671	Worker
R3656	488,390	3,626,462	0.993	0.00687	Worker
R3657	488,415	3,626,462	1.020	0.00705	Worker
R3658	488,440	3,626,462	1.056	0.00730	Worker
R3659	488,465	3,626,462	1.086	0.00751	Worker
R3660	488,490	3,626,462	1.110	0.00768	Worker
R3661	488,515	3,626,462	1.141	0.00789	Worker
R3662	488,540	3,626,462	1.166	0.00806	Worker
R3663	488,565	3,626,462	1.190	0.00823	Worker
R3664	488,590	3,626,462	1.214	0.00839	Worker
R3665	488,615	3,626,462	1.234	0.00853	Worker
R3666	488,640	3,626,462	1.250	0.00864	Worker
R3667	488,665	3,626,462	1.256	0.00869	Worker
R3668	488,690	3,626,462	1.271	0.00879	Worker
R3669	488,715	3,626,462	1.206	0.00834	Worker
R3670	488,740	3,626,462	1.198	0.00828	Worker
R3671	488,765	3,626,462	1.189	0.00822	Worker
R3672	488,790	3,626,462	1.189	0.00822	Worker
R3673	488,815	3,626,462	1.127	0.00779	Worker
R3674	488,840	3,626,462	1.032	0.00714	Worker
R3675	488,865	3,626,462	0.943	0.00652	Worker
R3676	488,890	3,626,462	7.989	0.00612	Resident
R3677	488,915	3,626,462	7.541	0.00578	Resident
R3678	488,940	3,626,462	7.410	0.00568	Resident
R3679	487,565	3,626,437	2.640	0.00202	Resident
R3680	487,590	3,626,437	2.703	0.00207	Resident
R3681	487,615	3,626,437	2.772	0.00212	Resident
R3682	487,640	3,626,437	2.838	0.00218	Resident
R3683	487,665	3,626,437	0.321	0.00222	Worker
R3684	487,690	3,626,437	0.327	0.00226	Worker
R3685	487,715	3,626,437	0.336	0.00232	Worker
R3686	487,740	3,626,437	0.345	0.00239	Worker
R3687	487,765	3,626,437	0.354	0.00245	Worker
R3688	487,790	3,626,437	0.364	0.00252	Worker
R3689	487,815	3,626,437	0.374	0.00259	Worker
R3690	487,840	3,626,437	0.385	0.00266	Worker
R3691	487,865	3,626,437	0.396	0.00274	Worker
R3692	487,890	3,626,437	0.407	0.00281	Worker
R3693	487,915	3,626,437	0.418	0.00289	Worker
R3694	487,940	3,626,437	0.429	0.00296	Worker
R3695	487,965	3,626,437	0.442	0.00305	Worker
R3696	487,990	3,626,437	0.455	0.00315	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors
SDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3697	488,015	3,626,437	0.471	0.00326	Worker
R3698	488,040	3,626,437	0.491	0.00340	Worker
R3699	488,065	3,626,437	0.511	0.00353	Worker
R3700	488,090	3,626,437	0.543	0.00376	Worker
R3701	488,115	3,626,437	0.571	0.00394	Worker
R3702	488,140	3,626,437	0.598	0.00413	Worker
R3703	488,165	3,626,437	0.626	0.00433	Worker
R3704	488,190	3,626,437	0.658	0.00455	Worker
R3705	488,215	3,626,437	0.690	0.00477	Worker
R3706	488,240	3,626,437	0.735	0.00508	Worker
R3707	488,265	3,626,437	0.782	0.00541	Worker
R3708	488,290	3,626,437	0.811	0.00561	Worker
R3709	488,315	3,626,437	0.830	0.00574	Worker
R3710	488,340	3,626,437	0.854	0.00590	Worker
R3711	488,365	3,626,437	0.877	0.00606	Worker
R3712	488,390	3,626,437	0.903	0.00625	Worker
R3713	488,415	3,626,437	0.937	0.00648	Worker
R3714	488,440	3,626,437	0.963	0.00666	Worker
R3715	488,465	3,626,437	0.990	0.00684	Worker
R3716	488,490	3,626,437	1.019	0.00705	Worker
R3717	488,515	3,626,437	1.042	0.00721	Worker
R3718	488,540	3,626,437	1.074	0.00743	Worker
R3719	488,565	3,626,437	1.095	0.00757	Worker
R3720	488,590	3,626,437	1.116	0.00771	Worker
R3721	488,615	3,626,437	1.130	0.00781	Worker
R3722	488,640	3,626,437	1.146	0.00792	Worker
R3723	488,665	3,626,437	1.098	0.00759	Worker
R3724	488,690	3,626,437	1.071	0.00741	Worker
R3725	488,715	3,626,437	1.077	0.00745	Worker
R3726	488,740	3,626,437	1.071	0.00740	Worker
R3727	488,765	3,626,437	1.048	0.00725	Worker
R3728	488,790	3,626,437	1.002	0.00692	Worker
R3729	488,815	3,626,437	8.045	0.00617	Resident
R3730	488,840	3,626,437	7.081	0.00543	Resident
R3731	488,865	3,626,437	6.706	0.00514	Resident
R3732	487,565	3,626,412	2.574	0.00197	Resident
R3733	487,590	3,626,412	0.291	0.00201	Worker
R3734	487,615	3,626,412	0.296	0.00205	Worker
R3735	487,640	3,626,412	0.302	0.00209	Worker
R3736	487,665	3,626,412	0.310	0.00214	Worker
R3737	487,690	3,626,412	0.317	0.00219	Worker
R3738	487,715	3,626,412	0.325	0.00225	Worker
R3739	487,740	3,626,412	0.333	0.00230	Worker
R3740	487,765	3,626,412	0.341	0.00236	Worker
R3741	487,790	3,626,412	0.350	0.00242	Worker
R3742	487,815	3,626,412	0.358	0.00248	Worker
R3743	487,840	3,626,412	0.367	0.00254	Worker
R3744	487,865	3,626,412	0.376	0.00260	Worker
R3745	487,890	3,626,412	0.385	0.00266	Worker
R3746	487,915	3,626,412	0.394	0.00273	Worker
R3747	487,940	3,626,412	0.404	0.00279	Worker
R3748	487,965	3,626,412	0.415	0.00287	Worker
R3749	487,990	3,626,412	0.427	0.00295	Worker
R3750	488,015	3,626,412	0.444	0.00307	Worker
R3751	488,040	3,626,412	0.463	0.00320	Worker
R3752	488,065	3,626,412	0.481	0.00332	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3753	488,090	3,626,412	0.501	0.00346	Worker
R3754	488,115	3,626,412	0.523	0.00362	Worker
R3755	488,140	3,626,412	0.546	0.00377	Worker
R3756	488,165	3,626,412	0.571	0.00394	Worker
R3757	488,190	3,626,412	0.597	0.00413	Worker
R3758	488,215	3,626,412	0.625	0.00432	Worker
R3759	488,240	3,626,412	0.655	0.00453	Worker
R3760	488,265	3,626,412	0.695	0.00481	Worker
R3761	488,290	3,626,412	0.736	0.00509	Worker
R3762	488,315	3,626,412	0.757	0.00523	Worker
R3763	488,340	3,626,412	0.775	0.00536	Worker
R3764	488,365	3,626,412	0.800	0.00553	Worker
R3765	488,390	3,626,412	0.827	0.00571	Worker
R3766	488,415	3,626,412	0.853	0.00590	Worker
R3767	488,440	3,626,412	0.880	0.00609	Worker
R3768	488,465	3,626,412	0.906	0.00627	Worker
R3769	488,490	3,626,412	0.936	0.00647	Worker
R3770	488,515	3,626,412	0.964	0.00666	Worker
R3771	488,540	3,626,412	0.986	0.00682	Worker
R3772	488,565	3,626,412	1.007	0.00696	Worker
R3773	488,590	3,626,412	1.023	0.00707	Worker
R3774	488,615	3,626,412	1.039	0.00719	Worker
R3775	488,640	3,626,412	1.056	0.00730	Worker
R3776	488,665	3,626,412	0.978	0.00676	Worker
R3777	488,690	3,626,412	0.960	0.00664	Worker
R3778	488,715	3,626,412	0.960	0.00664	Worker
R3779	488,740	3,626,412	0.922	0.00637	Worker
R3780	488,765	3,626,412	0.855	0.00591	Worker
R3781	488,790	3,626,412	0.853	0.00590	Worker
R3782	488,815	3,626,412	6.590	0.00505	Resident
R3783	487,590	3,626,387	0.281	0.00194	Worker
R3784	487,615	3,626,387	0.287	0.00199	Worker
R3785	487,640	3,626,387	0.294	0.00203	Worker
R3786	487,665	3,626,387	0.301	0.00208	Worker
R3787	487,690	3,626,387	0.307	0.00212	Worker
R3788	487,715	3,626,387	0.314	0.00217	Worker
R3789	487,740	3,626,387	0.321	0.00222	Worker
R3790	487,765	3,626,387	0.328	0.00227	Worker
R3791	487,790	3,626,387	0.336	0.00232	Worker
R3792	487,815	3,626,387	0.343	0.00237	Worker
R3793	487,840	3,626,387	0.350	0.00242	Worker
R3794	487,865	3,626,387	0.358	0.00247	Worker
R3795	487,890	3,626,387	0.366	0.00253	Worker
R3796	487,915	3,626,387	0.373	0.00258	Worker
R3797	487,940	3,626,387	0.383	0.00265	Worker
R3798	487,965	3,626,387	0.392	0.00271	Worker
R3799	487,990	3,626,387	0.405	0.00280	Worker
R3800	488,015	3,626,387	0.420	0.00290	Worker
R3801	488,040	3,626,387	0.433	0.00299	Worker
R3802	488,065	3,626,387	0.448	0.00310	Worker
R3803	488,090	3,626,387	0.466	0.00322	Worker
R3804	488,115	3,626,387	0.484	0.00335	Worker
R3805	488,140	3,626,387	0.504	0.00348	Worker
R3806	488,165	3,626,387	0.525	0.00363	Worker
R3807	488,190	3,626,387	0.548	0.00379	Worker
R3808	488,215	3,626,387	0.571	0.00395	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3809	488,240	3,626,387	0.597	0.00413	Worker
R3810	488,265	3,626,387	0.627	0.00433	Worker
R3811	488,290	3,626,387	0.668	0.00462	Worker
R3812	488,315	3,626,387	0.693	0.00479	Worker
R3813	488,340	3,626,387	0.704	0.00486	Worker
R3814	488,365	3,626,387	0.729	0.00504	Worker
R3815	488,390	3,626,387	0.755	0.00522	Worker
R3816	488,415	3,626,387	0.781	0.00540	Worker
R3817	488,440	3,626,387	0.805	0.00557	Worker
R3818	488,465	3,626,387	0.840	0.00581	Worker
R3819	488,490	3,626,387	0.865	0.00598	Worker
R3820	488,515	3,626,387	0.884	0.00611	Worker
R3821	488,540	3,626,387	0.905	0.00626	Worker
R3822	488,565	3,626,387	0.924	0.00639	Worker
R3823	488,590	3,626,387	0.939	0.00649	Worker
R3824	488,615	3,626,387	0.877	0.00606	Worker
R3825	488,640	3,626,387	0.862	0.00596	Worker
R3826	488,665	3,626,387	0.863	0.00597	Worker
R3827	488,690	3,626,387	0.814	0.00563	Worker
R3828	488,715	3,626,387	0.762	0.00527	Worker
R3829	488,740	3,626,387	0.722	0.00499	Worker
R3830	487,615	3,626,362	0.279	0.00193	Worker
R3831	487,640	3,626,362	0.285	0.00197	Worker
R3832	487,665	3,626,362	0.291	0.00201	Worker
R3833	487,690	3,626,362	0.297	0.00206	Worker
R3834	487,715	3,626,362	0.303	0.00210	Worker
R3835	487,740	3,626,362	0.310	0.00214	Worker
R3836	487,765	3,626,362	0.316	0.00218	Worker
R3837	487,790	3,626,362	0.322	0.00223	Worker
R3838	487,815	3,626,362	0.329	0.00227	Worker
R3839	487,840	3,626,362	0.335	0.00232	Worker
R3840	487,865	3,626,362	0.342	0.00236	Worker
R3841	487,890	3,626,362	0.349	0.00241	Worker
R3842	487,915	3,626,362	0.356	0.00246	Worker
R3843	487,940	3,626,362	0.364	0.00251	Worker
R3844	487,965	3,626,362	0.372	0.00257	Worker
R3845	487,990	3,626,362	0.385	0.00266	Worker
R3846	488,015	3,626,362	0.395	0.00273	Worker
R3847	488,040	3,626,362	0.406	0.00281	Worker
R3848	488,065	3,626,362	0.422	0.00292	Worker
R3849	488,090	3,626,362	0.437	0.00302	Worker
R3850	488,115	3,626,362	0.453	0.00313	Worker
R3851	488,140	3,626,362	0.471	0.00326	Worker
R3852	488,165	3,626,362	0.490	0.00339	Worker
R3853	488,190	3,626,362	0.509	0.00352	Worker
R3854	488,215	3,626,362	0.528	0.00365	Worker
R3855	488,240	3,626,362	0.552	0.00382	Worker
R3856	488,265	3,626,362	0.572	0.00396	Worker
R3857	488,290	3,626,362	0.597	0.00413	Worker
R3858	488,315	3,626,362	0.620	0.00429	Worker
R3859	488,340	3,626,362	0.644	0.00446	Worker
R3860	488,365	3,626,362	0.669	0.00462	Worker
R3861	488,390	3,626,362	0.692	0.00478	Worker
R3862	488,415	3,626,362	0.719	0.00497	Worker
R3863	488,440	3,626,362	0.751	0.00519	Worker
R3864	488,465	3,626,362	0.776	0.00536	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3865	488,490	3,626,362	0.793	0.00548	Worker
R3866	488,515	3,626,362	0.813	0.00562	Worker
R3867	488,540	3,626,362	0.833	0.00576	Worker
R3868	488,565	3,626,362	0.852	0.00589	Worker
R3869	488,590	3,626,362	0.773	0.00535	Worker
R3870	488,615	3,626,362	0.763	0.00528	Worker
R3871	488,640	3,626,362	0.720	0.00498	Worker
R3872	488,665	3,626,362	0.665	0.00460	Worker
R3873	488,690	3,626,362	0.629	0.00435	Worker
R3874	487,615	3,626,337	0.271	0.00187	Worker
R3875	487,640	3,626,337	0.276	0.00191	Worker
R3876	487,665	3,626,337	0.282	0.00195	Worker
R3877	487,690	3,626,337	0.287	0.00199	Worker
R3878	487,715	3,626,337	0.293	0.00202	Worker
R3879	487,740	3,626,337	0.299	0.00206	Worker
R3880	487,765	3,626,337	0.304	0.00210	Worker
R3881	487,790	3,626,337	0.310	0.00214	Worker
R3882	487,815	3,626,337	0.315	0.00218	Worker
R3883	487,840	3,626,337	0.321	0.00222	Worker
R3884	487,865	3,626,337	0.327	0.00226	Worker
R3885	487,890	3,626,337	0.332	0.00230	Worker
R3886	487,915	3,626,337	0.339	0.00234	Worker
R3887	487,940	3,626,337	0.346	0.00239	Worker
R3888	487,965	3,626,337	0.353	0.00244	Worker
R3889	487,990	3,626,337	0.364	0.00252	Worker
R3890	488,015	3,626,337	0.373	0.00258	Worker
R3891	488,040	3,626,337	0.383	0.00265	Worker
R3892	488,065	3,626,337	0.397	0.00275	Worker
R3893	488,090	3,626,337	0.410	0.00284	Worker
R3894	488,115	3,626,337	0.424	0.00293	Worker
R3895	488,140	3,626,337	0.439	0.00304	Worker
R3896	488,165	3,626,337	0.456	0.00315	Worker
R3897	488,190	3,626,337	0.473	0.00327	Worker
R3898	488,215	3,626,337	0.492	0.00340	Worker
R3899	488,240	3,626,337	0.506	0.00350	Worker
R3900	488,265	3,626,337	0.528	0.00365	Worker
R3901	488,290	3,626,337	0.550	0.00380	Worker
R3902	488,315	3,626,337	0.572	0.00395	Worker
R3903	488,340	3,626,337	0.593	0.00410	Worker
R3904	488,365	3,626,337	0.615	0.00425	Worker
R3905	488,390	3,626,337	0.637	0.00441	Worker
R3906	488,415	3,626,337	0.671	0.00464	Worker
R3907	488,440	3,626,337	0.695	0.00480	Worker
R3908	488,465	3,626,337	0.711	0.00491	Worker
R3909	488,490	3,626,337	0.729	0.00504	Worker
R3910	488,515	3,626,337	0.750	0.00519	Worker
R3911	488,540	3,626,337	0.710	0.00491	Worker
R3912	488,565	3,626,337	0.669	0.00462	Worker
R3913	488,590	3,626,337	0.628	0.00434	Worker
R3914	488,615	3,626,337	0.580	0.00401	Worker
R3915	488,640	3,626,337	0.533	0.00368	Worker
R3916	487,640	3,626,312	0.268	0.00185	Worker
R3917	487,665	3,626,312	0.273	0.00189	Worker
R3918	487,690	3,626,312	0.278	0.00192	Worker
R3919	487,715	3,626,312	0.283	0.00195	Worker
R3920	487,740	3,626,312	0.287	0.00199	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3921	487,765	3,626,312	0.292	0.00202	Worker
R3922	487,790	3,626,312	0.297	0.00205	Worker
R3923	487,815	3,626,312	0.302	0.00209	Worker
R3924	487,840	3,626,312	0.307	0.00212	Worker
R3925	487,865	3,626,312	0.312	0.00216	Worker
R3926	487,890	3,626,312	0.317	0.00219	Worker
R3927	487,915	3,626,312	0.323	0.00223	Worker
R3928	487,940	3,626,312	0.329	0.00228	Worker
R3929	487,965	3,626,312	0.339	0.00234	Worker
R3930	487,990	3,626,312	0.346	0.00239	Worker
R3931	488,015	3,626,312	0.353	0.00244	Worker
R3932	488,040	3,626,312	0.362	0.00251	Worker
R3933	488,065	3,626,312	0.375	0.00259	Worker
R3934	488,090	3,626,312	0.385	0.00266	Worker
R3935	488,115	3,626,312	0.395	0.00273	Worker
R3936	488,140	3,626,312	0.408	0.00282	Worker
R3937	488,165	3,626,312	0.424	0.00293	Worker
R3938	488,190	3,626,312	0.438	0.00303	Worker
R3939	488,215	3,626,312	0.453	0.00313	Worker
R3940	488,240	3,626,312	0.473	0.00327	Worker
R3941	488,265	3,626,312	0.492	0.00340	Worker
R3942	488,290	3,626,312	0.510	0.00353	Worker
R3943	488,315	3,626,312	0.529	0.00366	Worker
R3944	488,340	3,626,312	0.552	0.00382	Worker
R3945	488,365	3,626,312	0.580	0.00401	Worker
R3946	488,390	3,626,312	0.599	0.00414	Worker
R3947	488,415	3,626,312	0.621	0.00429	Worker
R3948	488,440	3,626,312	0.641	0.00443	Worker
R3949	488,465	3,626,312	0.598	0.00414	Worker
R3950	488,490	3,626,312	0.616	0.00426	Worker
R3951	488,515	3,626,312	0.619	0.00428	Worker
R3952	488,540	3,626,312	0.557	0.00385	Worker
R3953	488,565	3,626,312	0.515	0.00356	Worker
R3954	487,665	3,626,287	0.264	0.00183	Worker
R3955	487,690	3,626,287	0.268	0.00185	Worker
R3956	487,715	3,626,287	0.272	0.00188	Worker
R3957	487,740	3,626,287	0.277	0.00191	Worker
R3958	487,765	3,626,287	0.281	0.00194	Worker
R3959	487,790	3,626,287	0.285	0.00197	Worker
R3960	487,815	3,626,287	0.290	0.00200	Worker
R3961	487,840	3,626,287	0.294	0.00203	Worker
R3962	487,865	3,626,287	0.299	0.00207	Worker
R3963	487,890	3,626,287	0.304	0.00210	Worker
R3964	487,915	3,626,287	0.310	0.00214	Worker
R3965	487,940	3,626,287	0.317	0.00219	Worker
R3966	487,965	3,626,287	0.322	0.00223	Worker
R3967	487,990	3,626,287	0.328	0.00227	Worker
R3968	488,015	3,626,287	0.335	0.00232	Worker
R3969	488,040	3,626,287	0.343	0.00237	Worker
R3970	488,065	3,626,287	0.355	0.00245	Worker
R3971	488,090	3,626,287	0.364	0.00252	Worker
R3972	488,115	3,626,287	0.373	0.00258	Worker
R3973	488,140	3,626,287	0.384	0.00266	Worker
R3974	488,165	3,626,287	0.396	0.00274	Worker
R3975	488,190	3,626,287	0.411	0.00284	Worker
R3976	488,215	3,626,287	0.427	0.00295	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3977	488,240	3,626,287	0.443	0.00306	Worker
R3978	488,265	3,626,287	0.458	0.00317	Worker
R3979	488,290	3,626,287	0.475	0.00328	Worker
R3980	488,315	3,626,287	0.494	0.00341	Worker
R3981	488,340	3,626,287	0.515	0.00356	Worker
R3982	488,365	3,626,287	0.539	0.00373	Worker
R3983	488,390	3,626,287	0.557	0.00385	Worker
R3984	488,415	3,626,287	0.580	0.00401	Worker
R3985	488,440	3,626,287	0.594	0.00411	Worker
R3986	488,465	3,626,287	0.537	0.00372	Worker
R3987	488,490	3,626,287	0.556	0.00384	Worker
R3988	488,515	3,626,287	0.525	0.00363	Worker
R3989	487,690	3,626,262	0.259	0.00179	Worker
R3990	487,715	3,626,262	0.263	0.00182	Worker
R3991	487,740	3,626,262	0.267	0.00184	Worker
R3992	487,765	3,626,262	0.270	0.00187	Worker
R3993	487,790	3,626,262	0.274	0.00190	Worker
R3994	487,815	3,626,262	0.279	0.00193	Worker
R3995	487,840	3,626,262	0.283	0.00196	Worker
R3996	487,865	3,626,262	0.288	0.00199	Worker
R3997	487,890	3,626,262	0.293	0.00202	Worker
R3998	487,915	3,626,262	0.298	0.00206	Worker
R3999	487,940	3,626,262	0.303	0.00209	Worker
R4000	487,965	3,626,262	0.307	0.00212	Worker
R4001	487,990	3,626,262	0.313	0.00216	Worker
R4002	488,015	3,626,262	0.320	0.00221	Worker
R4003	488,040	3,626,262	0.327	0.00226	Worker
R4004	488,065	3,626,262	0.334	0.00231	Worker
R4005	488,090	3,626,262	0.342	0.00237	Worker
R4006	488,115	3,626,262	0.351	0.00243	Worker
R4007	488,140	3,626,262	0.363	0.00251	Worker
R4008	488,165	3,626,262	0.376	0.00260	Worker
R4009	488,190	3,626,262	0.388	0.00268	Worker
R4010	488,215	3,626,262	0.401	0.00277	Worker
R4011	488,240	3,626,262	0.415	0.00287	Worker
R4012	488,265	3,626,262	0.429	0.00296	Worker
R4013	488,290	3,626,262	0.447	0.00309	Worker
R4014	488,315	3,626,262	0.464	0.00321	Worker
R4015	488,340	3,626,262	0.480	0.00332	Worker
R4016	488,365	3,626,262	0.502	0.00347	Worker
R4017	488,390	3,626,262	0.520	0.00360	Worker
R4018	488,415	3,626,262	0.540	0.00373	Worker
R4019	488,440	3,626,262	0.499	0.00345	Worker
R4020	488,465	3,626,262	0.500	0.00346	Worker
R4021	487,715	3,626,237	0.256	0.00177	Worker
R4022	487,740	3,626,237	0.259	0.00179	Worker
R4023	487,765	3,626,237	0.263	0.00182	Worker
R4024	487,790	3,626,237	0.266	0.00184	Worker
R4025	487,815	3,626,237	0.269	0.00186	Worker
R4026	487,840	3,626,237	0.273	0.00189	Worker
R4027	487,865	3,626,237	0.276	0.00191	Worker
R4028	487,890	3,626,237	0.280	0.00193	Worker
R4029	487,915	3,626,237	0.284	0.00196	Worker
R4030	487,940	3,626,237	0.289	0.00200	Worker
R4031	487,965	3,626,237	0.293	0.00203	Worker
R4032	487,990	3,626,237	0.299	0.00207	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4033	488,015	3,626,237	0.304	0.00210	Worker
R4034	488,040	3,626,237	0.310	0.00214	Worker
R4035	488,065	3,626,237	0.317	0.00219	Worker
R4036	488,090	3,626,237	0.325	0.00225	Worker
R4037	488,115	3,626,237	0.335	0.00232	Worker
R4038	488,140	3,626,237	0.345	0.00238	Worker
R4039	488,165	3,626,237	0.355	0.00246	Worker
R4040	488,190	3,626,237	0.366	0.00253	Worker
R4041	488,215	3,626,237	0.377	0.00261	Worker
R4042	488,240	3,626,237	0.391	0.00271	Worker
R4043	488,265	3,626,237	0.406	0.00281	Worker
R4044	488,290	3,626,237	0.421	0.00291	Worker
R4045	488,315	3,626,237	0.435	0.00301	Worker
R4046	488,340	3,626,237	0.454	0.00314	Worker
R4047	488,365	3,626,237	4.252	0.00326	Resident
R4048	488,390	3,626,237	4.416	0.00338	Resident
R4049	487,765	3,626,212	0.251	0.00174	Worker
R4050	487,790	3,626,212	0.254	0.00176	Worker
R4051	487,815	3,626,212	0.257	0.00178	Worker
R4052	487,840	3,626,212	0.260	0.00180	Worker
R4053	487,865	3,626,212	0.264	0.00182	Worker
R4054	487,890	3,626,212	0.268	0.00186	Worker
R4055	487,915	3,626,212	0.272	0.00188	Worker
R4056	487,940	3,626,212	0.276	0.00191	Worker
R4057	487,965	3,626,212	0.280	0.00194	Worker
R4058	487,990	3,626,212	0.285	0.00197	Worker
R4059	488,015	3,626,212	0.290	0.00200	Worker
R4060	488,040	3,626,212	0.295	0.00204	Worker
R4061	488,065	3,626,212	0.303	0.00210	Worker
R4062	488,090	3,626,212	0.311	0.00215	Worker
R4063	488,115	3,626,212	0.319	0.00220	Worker
R4064	488,140	3,626,212	0.327	0.00226	Worker
R4065	488,165	3,626,212	0.336	0.00233	Worker
R4066	488,190	3,626,212	0.345	0.00239	Worker
R4067	488,215	3,626,212	0.359	0.00248	Worker
R4068	488,240	3,626,212	0.371	0.00257	Worker
R4069	488,265	3,626,212	0.383	0.00265	Worker
R4070	488,290	3,626,212	0.397	0.00275	Worker
R4071	488,315	3,626,212	0.413	0.00285	Worker
R4072	488,340	3,626,212	3.865	0.00296	Resident
R4073	487,790	3,626,187	0.245	0.00169	Worker
R4074	487,815	3,626,187	0.247	0.00171	Worker
R4075	487,840	3,626,187	0.250	0.00173	Worker
R4076	487,865	3,626,187	0.254	0.00176	Worker
R4077	487,890	3,626,187	0.258	0.00178	Worker
R4078	487,915	3,626,187	0.261	0.00180	Worker
R4079	487,940	3,626,187	0.264	0.00183	Worker
R4080	487,965	3,626,187	0.268	0.00185	Worker
R4081	487,990	3,626,187	0.273	0.00189	Worker
R4082	488,015	3,626,187	0.278	0.00192	Worker
R4083	488,040	3,626,187	0.284	0.00196	Worker
R4084	488,065	3,626,187	0.290	0.00200	Worker
R4085	488,090	3,626,187	0.296	0.00205	Worker
R4086	488,115	3,626,187	0.303	0.00210	Worker
R4087	488,140	3,626,187	0.311	0.00215	Worker
R4088	488,165	3,626,187	0.319	0.00221	Worker

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4089	488,190	3,626,187	0.330	0.00228	Worker
R4090	488,215	3,626,187	0.341	0.00236	Worker
R4091	488,240	3,626,187	0.353	0.00244	Worker
R4092	488,265	3,626,187	0.365	0.00252	Worker
R4093	487,840	3,626,162	0.241	0.00167	Worker
R4094	487,865	3,626,162	0.244	0.00169	Worker
R4095	487,890	3,626,162	0.247	0.00171	Worker
R4096	487,915	3,626,162	0.251	0.00174	Worker
R4097	487,940	3,626,162	0.255	0.00176	Worker
R4098	487,965	3,626,162	0.259	0.00179	Worker
R4099	487,990	3,626,162	0.263	0.00182	Worker
R4100	488,015	3,626,162	0.266	0.00184	Worker
R4101	488,040	3,626,162	0.272	0.00188	Worker
R4102	488,065	3,626,162	0.277	0.00191	Worker
R4103	488,090	3,626,162	0.283	0.00196	Worker
R4104	488,115	3,626,162	0.289	0.00200	Worker
R4105	488,140	3,626,162	0.296	0.00205	Worker
R4106	488,165	3,626,162	0.305	0.00211	Worker
R4107	488,190	3,626,162	0.314	0.00217	Worker
R4108	488,215	3,626,162	0.324	0.00224	Worker
R4109	487,940	3,626,137	0.245	0.00169	Worker
R4110	487,965	3,626,137	0.248	0.00171	Worker
R4111	487,990	3,626,137	0.251	0.00174	Worker
R4112	488,015	3,626,137	0.256	0.00177	Worker
R4113	488,040	3,626,137	0.260	0.00180	Worker
R4114	488,065	3,626,137	0.265	0.00183	Worker
R4115	488,090	3,626,137	0.270	0.00187	Worker
R4116	488,115	3,626,137	0.276	0.00191	Worker
R4117	490,204	3,626,639	9.927	0.00761	Resident
R4118	487,345	3,628,021	0.871	0.00067	Resident
R4119	488,162	3,628,917	0.680	0.00052	Resident
R4120	488,196	3,628,754	0.789	0.00060	Resident
R4121	488,127	3,628,903	0.679	0.00052	Resident
R4122	488,032	3,628,022	1.612	0.00124	Resident
R4123	486,874	3,625,476	0.877	0.00067	Resident
R4124	486,905	3,625,506	0.895	0.00069	Resident
R4125	490,012	3,627,705	4.123	0.00316	Resident
R4126	491,055	3,627,964	1.492	0.00114	Resident
R4127	488,067	3,628,927	0.655	0.00050	Resident
R4128	486,418	3,628,085	0.452	0.00035	Resident
R4129	491,130	3,627,486	2.203	0.00169	Resident
R4130	491,069	3,627,486	2.357	0.00181	Resident
R4131	490,657	3,627,888	2.352	0.00180	Resident
R4132	490,813	3,627,391	3.558	0.00273	Resident
R4133	490,962	3,627,560	42.192	0.12934	Resident
R4134	487,412	3,628,335	0.805	0.00062	Resident
R4135	487,379	3,628,950	0.561	0.00043	Resident
R4136	488,925	3,624,863	2.634	0.00404	Resident
R4137	486,647	3,625,557	3.525	0.00540	Resident
R4138	488,234	3,628,435	1.121	0.00086	Resident
R4139	487,367	3,624,825	0.285	0.00022	Resident
R4140	490,073	3,625,213	1.516	0.00116	Resident
R4141	490,875	3,628,484	1.364	0.00105	Resident
R4142	489,586	3,625,075	4.401	0.00675	Resident
R4143	489,972	3,627,483	30.455	0.04668	Resident
R4144	488,891	3,624,982	0.700	0.00054	Resident

Table E-1. Unmitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4145	489,430	3,624,791	3.282	0.00503	Resident
R4146	488,613	3,624,907	0.539	0.00041	Resident
R4147	488,294	3,628,226	6.069	0.00930	Resident
R4148	486,647	3,625,557	3.525	0.00540	Resident
R4149	489,586	3,625,075	4.401	0.00675	Resident
R4150	486,483	3,627,634	4.515	0.01038	Resident
R4151	490,962	3,627,560	42.192	0.12934	Resident
R4152	489,430	3,624,791	3.282	0.00503	Resident
R4153	488,850	3,624,977	2.712	0.00416	Resident
R4154	486,483	3,627,634	4.515	0.01038	Resident
R4155	487,160	3,625,638	4.118	0.00631	Resident
R4156	487,160	3,625,638	4.118	0.00631	Resident
R4157	488,925	3,624,863	2.634	0.00404	Resident
R4158	488,147	3,629,281	0.532	0.00041	Resident
R4159	486,754	3,628,646	0.478	0.00037	Resident
R4160	488,294	3,628,226	6.069	0.00930	Resident
R4161	487,790	3,629,243	0.496	0.00038	Resident
R4162	487,299	3,625,240	0.387	0.00030	Resident
R4163	489,973	3,626,649	11.650	0.00893	Resident
R4164	486,800	3,625,574	0.923	0.00071	Resident
R4165	489,972	3,627,483	30.455	0.04668	Resident
R4166	490,962	3,627,560	42.192	0.12934	Resident
R4167	490,962	3,627,560	42.192	0.12934	Resident
R4168	488,685	3,624,881	0.563	0.00043	Resident
R4169	486,739	3,625,591	0.919	0.00070	Resident
R4170	486,483	3,627,634	4.515	0.01038	Resident
R4171	488,850	3,624,977	2.712	0.00416	Resident
R4172	491,068	3,628,189	1.328	0.00102	Resident
R4173	487,118	3,625,553	3.821	0.00586	Resident
R4174	490,456	3,627,560	4.049	0.00310	Resident
R4175	487,290	3,625,564	0.924	0.00071	Resident
R4176	488,316	3,626,243	3.995	0.00306	Resident
R4177	488,097	3,627,346	8.712	0.00668	Resident
R4178	488,923	3,626,578	17.272	0.01324	Resident
R4179	486,602	3,625,836	0.999	0.00077	Resident
R4180	488,265	3,627,333	22.685	0.01739	Resident
R4181	487,118	3,625,553	3.821	0.00586	Resident
R4182	489,083	3,626,832	35.918	0.02753	Resident
R4183	487,342	3,625,696	1.114	0.00085	Resident

Notes:¹ The projection datum is NAD-83.² Maximum incremental cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.³ The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration to the non-cancer chronic reference exposure level for each chemical.**Abbreviations:**

m - meter

NAD - North American Datum

UTM - Universal Transverse Mercator

SDSU - San Diego State University

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0001	488,865	3,628,162	1.313	0.00104	Resident
R0002	488,890	3,628,162	1.331	0.00106	Resident
R0003	488,915	3,628,162	1.345	0.00107	Resident
R0004	488,940	3,628,162	1.359	0.00108	Resident
R0005	488,965	3,628,162	1.373	0.00109	Resident
R0006	488,990	3,628,162	1.388	0.00110	Resident
R0007	489,015	3,628,162	1.412	0.00112	Resident
R0008	489,040	3,628,162	1.435	0.00114	Resident
R0009	489,065	3,628,162	1.452	0.00115	Resident
R0010	488,765	3,628,137	1.314	0.00104	Resident
R0011	488,790	3,628,137	1.333	0.00106	Resident
R0012	488,815	3,628,137	1.354	0.00107	Resident
R0013	488,840	3,628,137	1.372	0.00109	Resident
R0014	488,865	3,628,137	1.389	0.00110	Resident
R0015	488,890	3,628,137	1.406	0.00112	Resident
R0016	488,915	3,628,137	1.424	0.00113	Resident
R0017	488,940	3,628,137	1.439	0.00114	Resident
R0018	488,965	3,628,137	1.454	0.00115	Resident
R0019	488,990	3,628,137	1.471	0.00117	Resident
R0020	489,015	3,628,137	1.495	0.00119	Resident
R0021	489,040	3,628,137	1.519	0.00120	Resident
R0022	489,065	3,628,137	1.550	0.00123	Resident
R0023	489,090	3,628,137	1.668	0.00132	Resident
R0024	489,115	3,628,137	1.883	0.00149	Resident
R0025	489,140	3,628,137	2.162	0.00171	Resident
R0026	489,165	3,628,137	2.402	0.00191	Resident
R0027	488,715	3,628,112	1.349	0.00107	Resident
R0028	488,740	3,628,112	1.369	0.00109	Resident
R0029	488,765	3,628,112	1.392	0.00110	Resident
R0030	488,790	3,628,112	1.413	0.00112	Resident
R0031	488,815	3,628,112	1.433	0.00114	Resident
R0032	488,840	3,628,112	1.455	0.00115	Resident
R0033	488,865	3,628,112	1.475	0.00117	Resident
R0034	488,890	3,628,112	1.492	0.00118	Resident
R0035	488,915	3,628,112	1.509	0.00120	Resident
R0036	488,940	3,628,112	1.525	0.00121	Resident
R0037	488,965	3,628,112	1.541	0.00122	Resident
R0038	488,990	3,628,112	1.573	0.00125	Resident
R0039	489,015	3,628,112	1.596	0.00127	Resident
R0040	489,040	3,628,112	1.627	0.00129	Resident
R0041	489,065	3,628,112	1.724	0.00137	Resident
R0042	489,090	3,628,112	1.896	0.00150	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0043	489,115	3,628,112	2.163	0.00172	Resident
R0044	489,140	3,628,112	2.391	0.00190	Resident
R0045	489,165	3,628,112	2.571	0.00204	Resident
R0046	489,190	3,628,112	0.324	0.00203	Worker
R0047	489,215	3,628,112	0.323	0.00203	Worker
R0048	489,240	3,628,112	0.322	0.00202	Worker
R0049	489,265	3,628,112	0.321	0.00201	Worker
R0050	488,340	3,628,087	1.038	0.00082	Resident
R0051	488,365	3,628,087	1.061	0.00084	Resident
R0052	488,390	3,628,087	1.085	0.00086	Resident
R0053	488,415	3,628,087	1.108	0.00088	Resident
R0054	488,440	3,628,087	1.137	0.00090	Resident
R0055	488,465	3,628,087	1.163	0.00092	Resident
R0056	488,490	3,628,087	1.188	0.00094	Resident
R0057	488,515	3,628,087	1.214	0.00096	Resident
R0058	488,540	3,628,087	0.158	0.00099	Worker
R0059	488,565	3,628,087	0.164	0.00103	Worker
R0060	488,590	3,628,087	0.171	0.00107	Worker
R0061	488,615	3,628,087	0.187	0.00117	Worker
R0062	488,640	3,628,087	0.193	0.00121	Worker
R0063	488,665	3,628,087	0.191	0.00120	Worker
R0064	488,690	3,628,087	0.184	0.00115	Worker
R0065	488,715	3,628,087	0.183	0.00114	Worker
R0066	488,740	3,628,087	1.454	0.00115	Resident
R0067	488,765	3,628,087	1.480	0.00117	Resident
R0068	488,790	3,628,087	1.502	0.00119	Resident
R0069	488,815	3,628,087	1.523	0.00121	Resident
R0070	488,840	3,628,087	1.544	0.00122	Resident
R0071	488,865	3,628,087	1.564	0.00124	Resident
R0072	488,890	3,628,087	1.586	0.00126	Resident
R0073	488,915	3,628,087	1.612	0.00128	Resident
R0074	488,940	3,628,087	1.646	0.00131	Resident
R0075	488,965	3,628,087	1.680	0.00133	Resident
R0076	488,990	3,628,087	1.689	0.00134	Resident
R0077	489,015	3,628,087	1.714	0.00136	Resident
R0078	489,040	3,628,087	1.757	0.00139	Resident
R0079	489,065	3,628,087	1.879	0.00149	Resident
R0080	489,090	3,628,087	2.171	0.00172	Resident
R0081	489,115	3,628,087	2.396	0.00190	Resident
R0082	489,140	3,628,087	2.593	0.00206	Resident
R0083	489,165	3,628,087	2.740	0.00217	Resident
R0084	489,190	3,628,087	0.345	0.00216	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0085	489,215	3,628,087	0.344	0.00216	Worker
R0086	489,240	3,628,087	0.343	0.00215	Worker
R0087	489,265	3,628,087	0.342	0.00214	Worker
R0088	489,290	3,628,087	0.340	0.00213	Worker
R0089	489,315	3,628,087	0.338	0.00212	Worker
R0090	488,240	3,628,062	0.987	0.00078	Resident
R0091	488,265	3,628,062	1.010	0.00080	Resident
R0092	488,290	3,628,062	1.035	0.00082	Resident
R0093	488,315	3,628,062	1.060	0.00084	Resident
R0094	488,340	3,628,062	1.085	0.00086	Resident
R0095	488,365	3,628,062	1.110	0.00088	Resident
R0096	488,390	3,628,062	1.136	0.00090	Resident
R0097	488,415	3,628,062	1.162	0.00092	Resident
R0098	488,440	3,628,062	1.192	0.00094	Resident
R0099	488,465	3,628,062	1.224	0.00097	Resident
R0100	488,490	3,628,062	1.253	0.00099	Resident
R0101	488,515	3,628,062	1.281	0.00102	Resident
R0102	488,540	3,628,062	0.167	0.00105	Worker
R0103	488,565	3,628,062	0.173	0.00108	Worker
R0104	488,590	3,628,062	0.179	0.00112	Worker
R0105	488,615	3,628,062	0.193	0.00121	Worker
R0106	488,640	3,628,062	0.209	0.00131	Worker
R0107	488,665	3,628,062	0.207	0.00130	Worker
R0108	488,690	3,628,062	0.196	0.00123	Worker
R0109	488,715	3,628,062	0.196	0.00123	Worker
R0110	488,740	3,628,062	1.546	0.00123	Resident
R0111	488,765	3,628,062	1.577	0.00125	Resident
R0112	488,790	3,628,062	1.596	0.00127	Resident
R0113	488,815	3,628,062	1.625	0.00129	Resident
R0114	488,840	3,628,062	1.660	0.00132	Resident
R0115	488,865	3,628,062	1.702	0.00135	Resident
R0116	488,890	3,628,062	1.742	0.00138	Resident
R0117	488,915	3,628,062	1.774	0.00141	Resident
R0118	488,940	3,628,062	1.800	0.00143	Resident
R0119	488,965	3,628,062	1.817	0.00144	Resident
R0120	488,990	3,628,062	1.817	0.00144	Resident
R0121	489,015	3,628,062	1.911	0.00152	Resident
R0122	489,040	3,628,062	1.934	0.00153	Resident
R0123	489,065	3,628,062	1.983	0.00157	Resident
R0124	489,090	3,628,062	2.252	0.00179	Resident
R0125	489,115	3,628,062	2.619	0.00208	Resident
R0126	489,140	3,628,062	2.903	0.00230	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0127	489,165	3,628,062	0.369	0.00231	Worker
R0128	489,190	3,628,062	0.368	0.00231	Worker
R0129	489,215	3,628,062	0.367	0.00230	Worker
R0130	489,240	3,628,062	0.366	0.00229	Worker
R0131	489,265	3,628,062	0.364	0.00228	Worker
R0132	489,290	3,628,062	0.362	0.00227	Worker
R0133	489,315	3,628,062	0.359	0.00225	Worker
R0134	489,340	3,628,062	0.356	0.00223	Worker
R0135	489,365	3,628,062	0.354	0.00222	Worker
R0136	489,390	3,628,062	0.350	0.00219	Worker
R0137	488,165	3,628,037	0.954	0.00076	Resident
R0138	488,190	3,628,037	0.978	0.00078	Resident
R0139	488,215	3,628,037	1.003	0.00080	Resident
R0140	488,240	3,628,037	1.028	0.00082	Resident
R0141	488,265	3,628,037	1.053	0.00084	Resident
R0142	488,290	3,628,037	1.081	0.00086	Resident
R0143	488,315	3,628,037	1.108	0.00088	Resident
R0144	488,340	3,628,037	1.136	0.00090	Resident
R0145	488,365	3,628,037	1.163	0.00092	Resident
R0146	488,390	3,628,037	1.192	0.00095	Resident
R0147	488,415	3,628,037	1.222	0.00097	Resident
R0148	488,440	3,628,037	1.252	0.00099	Resident
R0149	488,465	3,628,037	1.290	0.00102	Resident
R0150	488,490	3,628,037	1.324	0.00105	Resident
R0151	488,515	3,628,037	1.355	0.00107	Resident
R0152	488,540	3,628,037	0.177	0.00111	Worker
R0153	488,565	3,628,037	0.183	0.00115	Worker
R0154	488,590	3,628,037	0.190	0.00119	Worker
R0155	488,615	3,628,037	0.198	0.00124	Worker
R0156	488,640	3,628,037	0.225	0.00141	Worker
R0157	488,665	3,628,037	0.234	0.00147	Worker
R0158	488,690	3,628,037	0.217	0.00136	Worker
R0159	488,715	3,628,037	0.210	0.00132	Worker
R0160	488,740	3,628,037	1.657	0.00131	Resident
R0161	488,765	3,628,037	1.688	0.00134	Resident
R0162	488,790	3,628,037	1.735	0.00138	Resident
R0163	488,815	3,628,037	1.777	0.00141	Resident
R0164	488,840	3,628,037	1.817	0.00144	Resident
R0165	488,865	3,628,037	1.851	0.00147	Resident
R0166	488,890	3,628,037	1.878	0.00149	Resident
R0167	488,915	3,628,037	1.904	0.00151	Resident
R0168	488,940	3,628,037	1.927	0.00153	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0169	488,965	3,628,037	1.944	0.00154	Resident
R0170	488,990	3,628,037	1.978	0.00157	Resident
R0171	489,015	3,628,037	2.148	0.00170	Resident
R0172	489,040	3,628,037	2.236	0.00177	Resident
R0173	489,065	3,628,037	2.268	0.00180	Resident
R0174	489,090	3,628,037	2.450	0.00194	Resident
R0175	489,115	3,628,037	2.828	0.00224	Resident
R0176	489,140	3,628,037	3.142	0.00249	Resident
R0177	489,165	3,628,037	0.395	0.00248	Worker
R0178	489,190	3,628,037	0.394	0.00247	Worker
R0179	489,215	3,628,037	0.393	0.00246	Worker
R0180	489,240	3,628,037	0.391	0.00245	Worker
R0181	489,265	3,628,037	0.389	0.00243	Worker
R0182	489,290	3,628,037	0.386	0.00242	Worker
R0183	489,315	3,628,037	0.382	0.00240	Worker
R0184	489,340	3,628,037	0.379	0.00238	Worker
R0185	489,365	3,628,037	0.376	0.00236	Worker
R0186	489,390	3,628,037	0.372	0.00233	Worker
R0187	489,415	3,628,037	2.899	0.00230	Resident
R0188	489,440	3,628,037	2.848	0.00226	Resident
R0189	488,115	3,628,012	0.942	0.00075	Resident
R0190	488,140	3,628,012	0.966	0.00077	Resident
R0191	488,165	3,628,012	0.992	0.00079	Resident
R0192	488,190	3,628,012	1.018	0.00081	Resident
R0193	488,215	3,628,012	1.045	0.00083	Resident
R0194	488,240	3,628,012	1.072	0.00085	Resident
R0195	488,265	3,628,012	1.103	0.00087	Resident
R0196	488,290	3,628,012	1.135	0.00090	Resident
R0197	488,315	3,628,012	1.160	0.00092	Resident
R0198	488,340	3,628,012	1.191	0.00094	Resident
R0199	488,365	3,628,012	1.221	0.00097	Resident
R0200	488,390	3,628,012	1.254	0.00099	Resident
R0201	488,415	3,628,012	1.288	0.00102	Resident
R0202	488,440	3,628,012	1.321	0.00105	Resident
R0203	488,465	3,628,012	1.363	0.00108	Resident
R0204	488,490	3,628,012	1.400	0.00111	Resident
R0205	488,515	3,628,012	1.436	0.00114	Resident
R0206	488,540	3,628,012	0.187	0.00117	Worker
R0207	488,565	3,628,012	0.196	0.00123	Worker
R0208	488,590	3,628,012	0.202	0.00126	Worker
R0209	488,615	3,628,012	0.210	0.00132	Worker
R0210	488,640	3,628,012	0.231	0.00145	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0211	488,665	3,628,012	0.258	0.00162	Worker
R0212	488,690	3,628,012	0.253	0.00158	Worker
R0213	488,715	3,628,012	0.227	0.00142	Worker
R0214	488,740	3,628,012	0.226	0.00141	Worker
R0215	488,765	3,628,012	1.813	0.00144	Resident
R0216	488,790	3,628,012	1.858	0.00147	Resident
R0217	488,815	3,628,012	1.903	0.00151	Resident
R0218	488,840	3,628,012	1.946	0.00154	Resident
R0219	488,865	3,628,012	1.981	0.00157	Resident
R0220	488,890	3,628,012	2.014	0.00160	Resident
R0221	488,915	3,628,012	2.038	0.00162	Resident
R0222	488,940	3,628,012	2.062	0.00163	Resident
R0223	488,965	3,628,012	2.085	0.00165	Resident
R0224	488,990	3,628,012	2.140	0.00170	Resident
R0225	489,015	3,628,012	2.284	0.00181	Resident
R0226	489,040	3,628,012	2.593	0.00206	Resident
R0227	489,065	3,628,012	2.809	0.00223	Resident
R0228	489,090	3,628,012	2.916	0.00231	Resident
R0229	489,115	3,628,012	3.129	0.00248	Resident
R0230	489,140	3,628,012	0.426	0.00267	Worker
R0231	489,165	3,628,012	0.425	0.00266	Worker
R0232	489,190	3,628,012	0.423	0.00265	Worker
R0233	489,215	3,628,012	0.422	0.00264	Worker
R0234	489,240	3,628,012	0.419	0.00263	Worker
R0235	489,265	3,628,012	0.416	0.00261	Worker
R0236	489,290	3,628,012	0.412	0.00258	Worker
R0237	489,315	3,628,012	0.408	0.00256	Worker
R0238	489,340	3,628,012	0.405	0.00254	Worker
R0239	489,365	3,628,012	0.401	0.00251	Worker
R0240	489,390	3,628,012	0.395	0.00248	Worker
R0241	489,415	3,628,012	3.078	0.00244	Resident
R0242	489,440	3,628,012	3.020	0.00239	Resident
R0243	489,465	3,628,012	2.959	0.00235	Resident
R0244	489,490	3,628,012	2.898	0.00230	Resident
R0245	488,065	3,627,987	0.925	0.00073	Resident
R0246	488,090	3,627,987	0.950	0.00075	Resident
R0247	488,115	3,627,987	0.976	0.00077	Resident
R0248	488,140	3,627,987	1.004	0.00080	Resident
R0249	488,165	3,627,987	1.031	0.00082	Resident
R0250	488,190	3,627,987	1.060	0.00084	Resident
R0251	488,215	3,627,987	1.090	0.00086	Resident
R0252	488,240	3,627,987	1.119	0.00089	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0253	488,265	3,627,987	1.161	0.00092	Resident
R0254	488,290	3,627,987	1.196	0.00095	Resident
R0255	488,315	3,627,987	1.216	0.00096	Resident
R0256	488,340	3,627,987	1.251	0.00099	Resident
R0257	488,365	3,627,987	1.285	0.00102	Resident
R0258	488,390	3,627,987	1.321	0.00105	Resident
R0259	488,415	3,627,987	1.359	0.00108	Resident
R0260	488,440	3,627,987	1.396	0.00111	Resident
R0261	488,465	3,627,987	1.439	0.00114	Resident
R0262	488,490	3,627,987	1.484	0.00118	Resident
R0263	488,515	3,627,987	1.526	0.00121	Resident
R0264	488,540	3,627,987	1.568	0.00124	Resident
R0265	488,565	3,627,987	0.209	0.00131	Worker
R0266	488,590	3,627,987	0.219	0.00137	Worker
R0267	488,615	3,627,987	0.231	0.00145	Worker
R0268	488,640	3,627,987	0.250	0.00157	Worker
R0269	488,665	3,627,987	0.283	0.00177	Worker
R0270	488,690	3,627,987	0.290	0.00182	Worker
R0271	488,715	3,627,987	0.257	0.00161	Worker
R0272	488,740	3,627,987	0.245	0.00153	Worker
R0273	488,765	3,627,987	1.958	0.00155	Resident
R0274	488,790	3,627,987	2.007	0.00159	Resident
R0275	488,815	3,627,987	2.041	0.00162	Resident
R0276	488,840	3,627,987	2.084	0.00165	Resident
R0277	488,865	3,627,987	2.122	0.00168	Resident
R0278	488,890	3,627,987	2.174	0.00172	Resident
R0279	488,915	3,627,987	2.240	0.00178	Resident
R0280	488,940	3,627,987	2.259	0.00179	Resident
R0281	488,965	3,627,987	0.289	0.00181	Worker
R0282	488,990	3,627,987	2.318	0.00184	Resident
R0283	489,015	3,627,987	2.399	0.00190	Resident
R0284	489,040	3,627,987	2.562	0.00203	Resident
R0285	489,065	3,627,987	2.887	0.00229	Resident
R0286	489,090	3,627,987	3.288	0.00261	Resident
R0287	489,115	3,627,987	3.624	0.00287	Resident
R0288	489,140	3,627,987	0.459	0.00288	Worker
R0289	489,165	3,627,987	0.458	0.00287	Worker
R0290	489,190	3,627,987	0.456	0.00286	Worker
R0291	489,215	3,627,987	0.454	0.00284	Worker
R0292	489,240	3,627,987	0.450	0.00282	Worker
R0293	489,265	3,627,987	0.446	0.00280	Worker
R0294	489,290	3,627,987	0.442	0.00277	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0295	489,315	3,627,987	0.438	0.00274	Worker
R0296	489,340	3,627,987	0.434	0.00272	Worker
R0297	489,365	3,627,987	0.428	0.00268	Worker
R0298	489,390	3,627,987	3.328	0.00264	Resident
R0299	489,415	3,627,987	3.274	0.00260	Resident
R0300	489,440	3,627,987	3.205	0.00254	Resident
R0301	489,465	3,627,987	3.140	0.00249	Resident
R0302	489,490	3,627,987	3.070	0.00243	Resident
R0303	489,515	3,627,987	2.880	0.00228	Resident
R0304	488,040	3,627,962	0.930	0.00074	Resident
R0305	488,065	3,627,962	0.956	0.00076	Resident
R0306	488,090	3,627,962	0.983	0.00078	Resident
R0307	488,115	3,627,962	1.012	0.00080	Resident
R0308	488,140	3,627,962	1.043	0.00083	Resident
R0309	488,165	3,627,962	1.074	0.00085	Resident
R0310	488,190	3,627,962	1.106	0.00088	Resident
R0311	488,215	3,627,962	1.138	0.00090	Resident
R0312	488,240	3,627,962	1.173	0.00093	Resident
R0313	488,265	3,627,962	1.240	0.00098	Resident
R0314	488,290	3,627,962	1.276	0.00101	Resident
R0315	488,315	3,627,962	1.278	0.00101	Resident
R0316	488,340	3,627,962	1.316	0.00104	Resident
R0317	488,365	3,627,962	1.354	0.00107	Resident
R0318	488,390	3,627,962	1.394	0.00111	Resident
R0319	488,415	3,627,962	1.437	0.00114	Resident
R0320	488,440	3,627,962	1.481	0.00117	Resident
R0321	488,465	3,627,962	1.526	0.00121	Resident
R0322	488,490	3,627,962	1.579	0.00125	Resident
R0323	488,515	3,627,962	1.628	0.00129	Resident
R0324	488,540	3,627,962	1.674	0.00133	Resident
R0325	488,565	3,627,962	0.221	0.00139	Worker
R0326	488,590	3,627,962	0.237	0.00149	Worker
R0327	488,615	3,627,962	0.252	0.00158	Worker
R0328	488,640	3,627,962	0.268	0.00168	Worker
R0329	488,665	3,627,962	0.302	0.00189	Worker
R0330	488,690	3,627,962	0.325	0.00203	Worker
R0331	488,715	3,627,962	0.303	0.00190	Worker
R0332	488,740	3,627,962	0.268	0.00168	Worker
R0333	488,765	3,627,962	2.127	0.00169	Resident
R0334	488,790	3,627,962	2.183	0.00173	Resident
R0335	488,815	3,627,962	2.219	0.00176	Resident
R0336	488,840	3,627,962	2.283	0.00181	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0337	488,865	3,627,962	2.345	0.00186	Resident
R0338	488,890	3,627,962	2.401	0.00190	Resident
R0339	488,915	3,627,962	2.586	0.00205	Resident
R0340	488,940	3,627,962	2.525	0.00200	Resident
R0341	488,965	3,627,962	0.315	0.00197	Worker
R0342	488,990	3,627,962	2.513	0.00199	Resident
R0343	489,015	3,627,962	2.605	0.00207	Resident
R0344	489,040	3,627,962	2.773	0.00220	Resident
R0345	489,065	3,627,962	3.099	0.00246	Resident
R0346	489,090	3,627,962	3.523	0.00279	Resident
R0347	489,115	3,627,962	3.964	0.00314	Resident
R0348	489,140	3,627,962	0.498	0.00312	Worker
R0349	489,165	3,627,962	0.496	0.00311	Worker
R0350	489,190	3,627,962	0.493	0.00309	Worker
R0351	489,215	3,627,962	0.490	0.00307	Worker
R0352	489,240	3,627,962	0.486	0.00304	Worker
R0353	489,265	3,627,962	0.481	0.00301	Worker
R0354	489,290	3,627,962	0.476	0.00298	Worker
R0355	489,315	3,627,962	0.470	0.00294	Worker
R0356	489,340	3,627,962	0.465	0.00291	Worker
R0357	489,365	3,627,962	0.458	0.00287	Worker
R0358	489,390	3,627,962	3.554	0.00282	Resident
R0359	489,415	3,627,962	3.489	0.00277	Resident
R0360	489,440	3,627,962	3.422	0.00271	Resident
R0361	489,465	3,627,962	3.342	0.00265	Resident
R0362	489,490	3,627,962	3.260	0.00259	Resident
R0363	489,515	3,627,962	3.068	0.00243	Resident
R0364	489,540	3,627,962	2.916	0.00231	Resident
R0365	487,990	3,627,937	0.905	0.00072	Resident
R0366	488,015	3,627,937	0.932	0.00074	Resident
R0367	488,040	3,627,937	0.960	0.00076	Resident
R0368	488,065	3,627,937	0.989	0.00078	Resident
R0369	488,090	3,627,937	1.028	0.00082	Resident
R0370	488,115	3,627,937	1.056	0.00084	Resident
R0371	488,140	3,627,937	1.084	0.00086	Resident
R0372	488,165	3,627,937	1.118	0.00089	Resident
R0373	488,190	3,627,937	1.153	0.00091	Resident
R0374	488,215	3,627,937	1.188	0.00094	Resident
R0375	488,240	3,627,937	1.238	0.00098	Resident
R0376	488,265	3,627,937	1.308	0.00104	Resident
R0377	488,290	3,627,937	1.364	0.00108	Resident
R0378	488,315	3,627,937	1.354	0.00107	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0379	488,340	3,627,937	1.388	0.00110	Resident
R0380	488,365	3,627,937	1.431	0.00113	Resident
R0381	488,390	3,627,937	1.474	0.00117	Resident
R0382	488,415	3,627,937	1.524	0.00121	Resident
R0383	488,440	3,627,937	1.575	0.00125	Resident
R0384	488,465	3,627,937	1.622	0.00129	Resident
R0385	488,490	3,627,937	1.682	0.00133	Resident
R0386	488,515	3,627,937	1.741	0.00138	Resident
R0387	488,540	3,627,937	1.791	0.00142	Resident
R0388	488,565	3,627,937	0.237	0.00148	Worker
R0389	488,590	3,627,937	0.247	0.00155	Worker
R0390	488,615	3,627,937	0.257	0.00161	Worker
R0391	488,640	3,627,937	0.274	0.00172	Worker
R0392	488,665	3,627,937	0.315	0.00197	Worker
R0393	488,690	3,627,937	0.363	0.00228	Worker
R0394	488,715	3,627,937	0.353	0.00221	Worker
R0395	488,740	3,627,937	0.298	0.00187	Worker
R0396	488,765	3,627,937	2.321	0.00184	Resident
R0397	488,790	3,627,937	2.381	0.00189	Resident
R0398	488,815	3,627,937	2.446	0.00194	Resident
R0399	488,840	3,627,937	2.502	0.00198	Resident
R0400	488,865	3,627,937	2.556	0.00203	Resident
R0401	488,890	3,627,937	2.602	0.00206	Resident
R0402	488,915	3,627,937	2.832	0.00225	Resident
R0403	488,940	3,627,937	0.382	0.00239	Worker
R0404	488,965	3,627,937	0.360	0.00225	Worker
R0405	488,990	3,627,937	2.797	0.00222	Resident
R0406	489,015	3,627,937	2.963	0.00235	Resident
R0407	489,040	3,627,937	3.214	0.00255	Resident
R0408	489,065	3,627,937	3.613	0.00286	Resident
R0409	489,090	3,627,937	4.009	0.00318	Resident
R0410	489,115	3,627,937	0.544	0.00341	Worker
R0411	489,140	3,627,937	0.542	0.00339	Worker
R0412	489,165	3,627,937	0.538	0.00337	Worker
R0413	489,190	3,627,937	0.535	0.00335	Worker
R0414	489,215	3,627,937	0.531	0.00333	Worker
R0415	489,240	3,627,937	0.526	0.00330	Worker
R0416	489,265	3,627,937	0.523	0.00327	Worker
R0417	489,290	3,627,937	0.515	0.00323	Worker
R0418	489,315	3,627,937	0.505	0.00317	Worker
R0419	489,340	3,627,937	0.500	0.00313	Worker
R0420	489,365	3,627,937	0.491	0.00307	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0421	489,390	3,627,937	3.802	0.00302	Resident
R0422	489,415	3,627,937	3.726	0.00295	Resident
R0423	489,440	3,627,937	3.647	0.00289	Resident
R0424	489,465	3,627,937	3.552	0.00282	Resident
R0425	489,490	3,627,937	3.456	0.00274	Resident
R0426	489,515	3,627,937	3.235	0.00257	Resident
R0427	489,540	3,627,937	3.144	0.00249	Resident
R0428	489,565	3,627,937	3.055	0.00242	Resident
R0429	487,965	3,627,912	0.903	0.00072	Resident
R0430	487,990	3,627,912	0.932	0.00074	Resident
R0431	488,015	3,627,912	0.961	0.00076	Resident
R0432	488,040	3,627,912	0.991	0.00079	Resident
R0433	488,065	3,627,912	1.029	0.00082	Resident
R0434	488,090	3,627,912	1.085	0.00086	Resident
R0435	488,115	3,627,912	1.134	0.00090	Resident
R0436	488,140	3,627,912	1.137	0.00090	Resident
R0437	488,165	3,627,912	1.167	0.00093	Resident
R0438	488,190	3,627,912	1.205	0.00096	Resident
R0439	488,215	3,627,912	1.250	0.00099	Resident
R0440	488,240	3,627,912	1.304	0.00103	Resident
R0441	488,265	3,627,912	1.381	0.00109	Resident
R0442	488,290	3,627,912	1.470	0.00117	Resident
R0443	488,315	3,627,912	1.441	0.00114	Resident
R0444	488,340	3,627,912	1.466	0.00116	Resident
R0445	488,365	3,627,912	1.516	0.00120	Resident
R0446	488,390	3,627,912	1.567	0.00124	Resident
R0447	488,415	3,627,912	1.621	0.00129	Resident
R0448	488,440	3,627,912	1.676	0.00133	Resident
R0449	488,465	3,627,912	1.735	0.00138	Resident
R0450	488,490	3,627,912	1.799	0.00143	Resident
R0451	488,515	3,627,912	1.860	0.00148	Resident
R0452	488,540	3,627,912	1.924	0.00153	Resident
R0453	488,565	3,627,912	2.029	0.00161	Resident
R0454	488,590	3,627,912	0.265	0.00166	Worker
R0455	488,615	3,627,912	0.274	0.00172	Worker
R0456	488,640	3,627,912	0.290	0.00182	Worker
R0457	488,665	3,627,912	0.334	0.00209	Worker
R0458	488,690	3,627,912	0.405	0.00254	Worker
R0459	488,715	3,627,912	0.407	0.00255	Worker
R0460	488,740	3,627,912	0.339	0.00212	Worker
R0461	488,765	3,627,912	0.324	0.00203	Worker
R0462	488,790	3,627,912	2.600	0.00206	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0463	488,815	3,627,912	2.663	0.00211	Resident
R0464	488,840	3,627,912	2.715	0.00215	Resident
R0465	488,865	3,627,912	2.773	0.00220	Resident
R0466	488,890	3,627,912	2.827	0.00224	Resident
R0467	488,915	3,627,912	3.083	0.00244	Resident
R0468	488,940	3,627,912	0.449	0.00281	Worker
R0469	488,965	3,627,912	0.441	0.00276	Worker
R0470	488,990	3,627,912	3.242	0.00257	Resident
R0471	489,015	3,627,912	3.484	0.00276	Resident
R0472	489,040	3,627,912	3.806	0.00302	Resident
R0473	489,065	3,627,912	4.188	0.00332	Resident
R0474	489,090	3,627,912	4.712	0.00374	Resident
R0475	489,115	3,627,912	0.595	0.00372	Worker
R0476	489,140	3,627,912	0.592	0.00371	Worker
R0477	489,165	3,627,912	0.588	0.00368	Worker
R0478	489,190	3,627,912	0.584	0.00366	Worker
R0479	489,215	3,627,912	0.582	0.00365	Worker
R0480	489,240	3,627,912	0.576	0.00361	Worker
R0481	489,265	3,627,912	0.567	0.00355	Worker
R0482	489,290	3,627,912	0.556	0.00348	Worker
R0483	489,315	3,627,912	0.547	0.00343	Worker
R0484	489,340	3,627,912	0.538	0.00337	Worker
R0485	489,365	3,627,912	4.166	0.00330	Resident
R0486	489,390	3,627,912	4.077	0.00323	Resident
R0487	489,415	3,627,912	3.986	0.00316	Resident
R0488	489,440	3,627,912	3.891	0.00309	Resident
R0489	489,465	3,627,912	3.773	0.00299	Resident
R0490	489,490	3,627,912	3.664	0.00291	Resident
R0491	489,515	3,627,912	3.408	0.00270	Resident
R0492	489,540	3,627,912	3.304	0.00262	Resident
R0493	489,565	3,627,912	3.218	0.00255	Resident
R0494	489,590	3,627,912	3.110	0.00247	Resident
R0495	487,940	3,627,887	0.899	0.00071	Resident
R0496	487,965	3,627,887	0.928	0.00074	Resident
R0497	487,990	3,627,887	0.959	0.00076	Resident
R0498	488,015	3,627,887	0.991	0.00079	Resident
R0499	488,040	3,627,887	1.030	0.00082	Resident
R0500	488,065	3,627,887	1.085	0.00086	Resident
R0501	488,090	3,627,887	1.147	0.00091	Resident
R0502	488,115	3,627,887	1.216	0.00096	Resident
R0503	488,140	3,627,887	1.219	0.00097	Resident
R0504	488,165	3,627,887	1.246	0.00099	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0505	488,190	3,627,887	1.283	0.00102	Resident
R0506	488,215	3,627,887	1.325	0.00105	Resident
R0507	488,240	3,627,887	1.382	0.00110	Resident
R0508	488,265	3,627,887	1.465	0.00116	Resident
R0509	488,290	3,627,887	1.588	0.00126	Resident
R0510	488,315	3,627,887	1.537	0.00122	Resident
R0511	488,340	3,627,887	1.553	0.00123	Resident
R0512	488,365	3,627,887	1.608	0.00128	Resident
R0513	488,390	3,627,887	1.664	0.00132	Resident
R0514	488,415	3,627,887	1.724	0.00137	Resident
R0515	488,440	3,627,887	1.793	0.00142	Resident
R0516	488,465	3,627,887	1.856	0.00147	Resident
R0517	488,490	3,627,887	1.928	0.00153	Resident
R0518	488,515	3,627,887	2.003	0.00159	Resident
R0519	488,540	3,627,887	2.111	0.00167	Resident
R0520	488,565	3,627,887	2.191	0.00174	Resident
R0521	488,590	3,627,887	0.287	0.00180	Worker
R0522	488,615	3,627,887	0.296	0.00186	Worker
R0523	488,640	3,627,887	0.311	0.00195	Worker
R0524	488,665	3,627,887	0.351	0.00220	Worker
R0525	488,690	3,627,887	0.449	0.00281	Worker
R0526	488,715	3,627,887	0.464	0.00291	Worker
R0527	488,740	3,627,887	0.401	0.00251	Worker
R0528	488,765	3,627,887	0.366	0.00230	Worker
R0529	488,790	3,627,887	2.843	0.00225	Resident
R0530	488,815	3,627,887	2.901	0.00230	Resident
R0531	488,840	3,627,887	2.958	0.00235	Resident
R0532	488,865	3,627,887	3.018	0.00239	Resident
R0533	488,890	3,627,887	3.097	0.00246	Resident
R0534	488,915	3,627,887	0.420	0.00263	Worker
R0535	488,940	3,627,887	0.477	0.00299	Worker
R0536	488,965	3,627,887	0.542	0.00340	Worker
R0537	488,990	3,627,887	4.077	0.00323	Resident
R0538	489,015	3,627,887	4.148	0.00329	Resident
R0539	489,040	3,627,887	4.494	0.00356	Resident
R0540	489,065	3,627,887	4.842	0.00384	Resident
R0541	489,090	3,627,887	5.218	0.00414	Resident
R0542	489,115	3,627,887	0.655	0.00410	Worker
R0543	489,140	3,627,887	0.650	0.00408	Worker
R0544	489,165	3,627,887	0.646	0.00405	Worker
R0545	489,190	3,627,887	0.645	0.00404	Worker
R0546	489,215	3,627,887	0.638	0.00400	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0547	489,240	3,627,887	0.629	0.00394	Worker
R0548	489,265	3,627,887	0.618	0.00387	Worker
R0549	489,290	3,627,887	0.602	0.00377	Worker
R0550	489,315	3,627,887	0.594	0.00372	Worker
R0551	489,340	3,627,887	0.581	0.00364	Worker
R0552	489,365	3,627,887	4.489	0.00356	Resident
R0553	489,390	3,627,887	4.381	0.00347	Resident
R0554	489,415	3,627,887	4.275	0.00339	Resident
R0555	489,440	3,627,887	4.131	0.00328	Resident
R0556	489,465	3,627,887	3.842	0.00305	Resident
R0557	489,490	3,627,887	3.716	0.00295	Resident
R0558	489,515	3,627,887	3.592	0.00285	Resident
R0559	489,540	3,627,887	3.475	0.00276	Resident
R0560	489,565	3,627,887	3.359	0.00266	Resident
R0561	489,590	3,627,887	3.245	0.00257	Resident
R0562	489,615	3,627,887	3.134	0.00248	Resident
R0563	487,915	3,627,862	0.890	0.00071	Resident
R0564	487,940	3,627,862	0.921	0.00073	Resident
R0565	487,965	3,627,862	0.952	0.00076	Resident
R0566	487,990	3,627,862	0.987	0.00078	Resident
R0567	488,015	3,627,862	1.028	0.00082	Resident
R0568	488,040	3,627,862	1.081	0.00086	Resident
R0569	488,065	3,627,862	1.150	0.00091	Resident
R0570	488,090	3,627,862	1.219	0.00097	Resident
R0571	488,115	3,627,862	1.294	0.00103	Resident
R0572	488,140	3,627,862	1.315	0.00104	Resident
R0573	488,165	3,627,862	1.330	0.00105	Resident
R0574	488,190	3,627,862	1.366	0.00108	Resident
R0575	488,215	3,627,862	1.412	0.00112	Resident
R0576	488,240	3,627,862	1.470	0.00117	Resident
R0577	488,265	3,627,862	1.563	0.00124	Resident
R0578	488,290	3,627,862	1.727	0.00137	Resident
R0579	488,315	3,627,862	1.650	0.00131	Resident
R0580	488,340	3,627,862	1.660	0.00132	Resident
R0581	488,365	3,627,862	1.714	0.00136	Resident
R0582	488,390	3,627,862	1.784	0.00141	Resident
R0583	488,415	3,627,862	1.858	0.00147	Resident
R0584	488,440	3,627,862	1.943	0.00154	Resident
R0585	488,465	3,627,862	2.028	0.00161	Resident
R0586	488,490	3,627,862	2.102	0.00167	Resident
R0587	488,515	3,627,862	2.199	0.00174	Resident
R0588	488,540	3,627,862	2.287	0.00181	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0589	488,565	3,627,862	2.376	0.00188	Resident
R0590	488,590	3,627,862	0.312	0.00196	Worker
R0591	488,615	3,627,862	0.324	0.00203	Worker
R0592	488,640	3,627,862	0.339	0.00213	Worker
R0593	488,665	3,627,862	0.388	0.00243	Worker
R0594	488,690	3,627,862	0.498	0.00312	Worker
R0595	488,715	3,627,862	0.527	0.00330	Worker
R0596	488,740	3,627,862	0.463	0.00290	Worker
R0597	488,765	3,627,862	0.417	0.00261	Worker
R0598	488,790	3,627,862	3.145	0.00249	Resident
R0599	488,815	3,627,862	3.183	0.00252	Resident
R0600	488,840	3,627,862	3.253	0.00258	Resident
R0601	488,865	3,627,862	3.322	0.00263	Resident
R0602	488,890	3,627,862	0.432	0.00270	Worker
R0603	488,915	3,627,862	0.454	0.00285	Worker
R0604	488,940	3,627,862	0.505	0.00317	Worker
R0605	488,965	3,627,862	0.592	0.00371	Worker
R0606	488,990	3,627,862	5.226	0.00414	Resident
R0607	489,015	3,627,862	5.135	0.00407	Resident
R0608	489,040	3,627,862	5.365	0.00425	Resident
R0609	489,065	3,627,862	5.837	0.00463	Resident
R0610	489,090	3,627,862	0.728	0.00456	Worker
R0611	489,115	3,627,862	0.725	0.00454	Worker
R0612	489,140	3,627,862	0.720	0.00451	Worker
R0613	489,165	3,627,862	0.714	0.00447	Worker
R0614	489,190	3,627,862	0.713	0.00447	Worker
R0615	489,215	3,627,862	0.703	0.00440	Worker
R0616	489,240	3,627,862	0.690	0.00432	Worker
R0617	489,265	3,627,862	0.675	0.00423	Worker
R0618	489,290	3,627,862	0.656	0.00411	Worker
R0619	489,315	3,627,862	0.646	0.00405	Worker
R0620	489,340	3,627,862	0.630	0.00395	Worker
R0621	489,365	3,627,862	4.850	0.00385	Resident
R0622	489,390	3,627,862	4.726	0.00375	Resident
R0623	489,415	3,627,862	4.543	0.00360	Resident
R0624	489,440	3,627,862	4.216	0.00334	Resident
R0625	489,465	3,627,862	4.074	0.00323	Resident
R0626	489,490	3,627,862	3.935	0.00312	Resident
R0627	489,515	3,627,862	3.803	0.00302	Resident
R0628	489,540	3,627,862	3.669	0.00291	Resident
R0629	489,565	3,627,862	3.512	0.00278	Resident
R0630	489,590	3,627,862	3.286	0.00261	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0631	489,615	3,627,862	3.150	0.00250	Resident
R0632	489,640	3,627,862	3.023	0.00240	Resident
R0633	487,890	3,627,837	0.111	0.00070	Worker
R0634	487,915	3,627,837	0.115	0.00072	Worker
R0635	487,940	3,627,837	0.119	0.00075	Worker
R0636	487,965	3,627,837	0.124	0.00078	Worker
R0637	487,990	3,627,837	0.128	0.00080	Worker
R0638	488,015	3,627,837	0.134	0.00084	Worker
R0639	488,040	3,627,837	0.141	0.00088	Worker
R0640	488,065	3,627,837	0.148	0.00092	Worker
R0641	488,090	3,627,837	0.155	0.00097	Worker
R0642	488,115	3,627,837	0.164	0.00103	Worker
R0643	488,140	3,627,837	0.178	0.00111	Worker
R0644	488,165	3,627,837	0.187	0.00117	Worker
R0645	488,190	3,627,837	0.188	0.00118	Worker
R0646	488,215	3,627,837	0.192	0.00120	Worker
R0647	488,240	3,627,837	0.199	0.00124	Worker
R0648	488,265	3,627,837	0.213	0.00134	Worker
R0649	488,290	3,627,837	0.242	0.00151	Worker
R0650	488,315	3,627,837	0.228	0.00143	Worker
R0651	488,340	3,627,837	0.228	0.00143	Worker
R0652	488,365	3,627,837	0.236	0.00148	Worker
R0653	488,390	3,627,837	0.244	0.00153	Worker
R0654	488,415	3,627,837	0.255	0.00160	Worker
R0655	488,440	3,627,837	0.266	0.00167	Worker
R0656	488,465	3,627,837	0.278	0.00174	Worker
R0657	488,490	3,627,837	0.291	0.00182	Worker
R0658	488,515	3,627,837	0.303	0.00190	Worker
R0659	488,540	3,627,837	0.316	0.00198	Worker
R0660	488,565	3,627,837	0.328	0.00206	Worker
R0661	488,590	3,627,837	0.343	0.00215	Worker
R0662	488,615	3,627,837	0.361	0.00226	Worker
R0663	488,640	3,627,837	0.378	0.00237	Worker
R0664	488,665	3,627,837	0.426	0.00267	Worker
R0665	488,690	3,627,837	0.552	0.00346	Worker
R0666	488,715	3,627,837	0.598	0.00375	Worker
R0667	488,740	3,627,837	0.541	0.00339	Worker
R0668	488,765	3,627,837	0.487	0.00305	Worker
R0669	488,790	3,627,837	0.450	0.00282	Worker
R0670	488,815	3,627,837	3.557	0.00282	Resident
R0671	488,840	3,627,837	3.628	0.00288	Resident
R0672	488,865	3,627,837	3.697	0.00293	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0673	488,890	3,627,837	0.479	0.00300	Worker
R0674	488,915	3,627,837	0.514	0.00322	Worker
R0675	488,940	3,627,837	0.564	0.00353	Worker
R0676	488,965	3,627,837	0.649	0.00406	Worker
R0677	488,990	3,627,837	5.776	0.00458	Resident
R0678	489,015	3,627,837	6.410	0.00508	Resident
R0679	489,040	3,627,837	6.549	0.00519	Resident
R0680	489,065	3,627,837	6.516	0.00517	Resident
R0681	489,090	3,627,837	0.815	0.00510	Worker
R0682	489,115	3,627,837	0.810	0.00508	Worker
R0683	489,140	3,627,837	0.803	0.00503	Worker
R0684	489,165	3,627,837	0.796	0.00499	Worker
R0685	489,190	3,627,837	0.793	0.00497	Worker
R0686	489,215	3,627,837	0.778	0.00488	Worker
R0687	489,240	3,627,837	0.762	0.00477	Worker
R0688	489,265	3,627,837	0.742	0.00465	Worker
R0689	489,290	3,627,837	0.719	0.00451	Worker
R0690	489,315	3,627,837	0.705	0.00442	Worker
R0691	489,340	3,627,837	0.685	0.00429	Worker
R0692	489,365	3,627,837	5.260	0.00417	Resident
R0693	489,390	3,627,837	5.058	0.00401	Resident
R0694	489,415	3,627,837	4.891	0.00388	Resident
R0695	489,440	3,627,837	4.733	0.00375	Resident
R0696	489,465	3,627,837	4.342	0.00344	Resident
R0697	489,490	3,627,837	4.111	0.00326	Resident
R0698	489,515	3,627,837	3.864	0.00306	Resident
R0699	489,540	3,627,837	3.654	0.00290	Resident
R0700	489,565	3,627,837	3.469	0.00275	Resident
R0701	489,590	3,627,837	3.305	0.00262	Resident
R0702	489,615	3,627,837	3.193	0.00253	Resident
R0703	489,640	3,627,837	3.063	0.00243	Resident
R0704	487,890	3,627,812	0.113	0.00071	Worker
R0705	487,915	3,627,812	0.118	0.00074	Worker
R0706	487,940	3,627,812	0.122	0.00077	Worker
R0707	487,965	3,627,812	0.127	0.00080	Worker
R0708	487,990	3,627,812	0.132	0.00083	Worker
R0709	488,015	3,627,812	0.138	0.00086	Worker
R0710	488,040	3,627,812	0.144	0.00090	Worker
R0711	488,065	3,627,812	0.151	0.00095	Worker
R0712	488,090	3,627,812	0.159	0.00099	Worker
R0713	488,115	3,627,812	0.167	0.00105	Worker
R0714	488,140	3,627,812	0.182	0.00114	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0715	488,165	3,627,812	0.199	0.00125	Worker
R0716	488,190	3,627,812	0.213	0.00133	Worker
R0717	488,215	3,627,812	0.222	0.00139	Worker
R0718	488,240	3,627,812	0.222	0.00139	Worker
R0719	488,265	3,627,812	0.235	0.00147	Worker
R0720	488,290	3,627,812	0.263	0.00165	Worker
R0721	488,315	3,627,812	0.246	0.00154	Worker
R0722	488,340	3,627,812	0.247	0.00155	Worker
R0723	488,365	3,627,812	0.256	0.00160	Worker
R0724	488,390	3,627,812	0.265	0.00166	Worker
R0725	488,415	3,627,812	0.277	0.00174	Worker
R0726	488,440	3,627,812	0.290	0.00182	Worker
R0727	488,465	3,627,812	0.304	0.00190	Worker
R0728	488,490	3,627,812	0.318	0.00199	Worker
R0729	488,515	3,627,812	0.332	0.00208	Worker
R0730	488,540	3,627,812	0.346	0.00217	Worker
R0731	488,565	3,627,812	0.361	0.00226	Worker
R0732	488,590	3,627,812	0.380	0.00238	Worker
R0733	488,615	3,627,812	0.425	0.00266	Worker
R0734	488,640	3,627,812	0.438	0.00274	Worker
R0735	488,665	3,627,812	0.478	0.00300	Worker
R0736	488,690	3,627,812	0.612	0.00383	Worker
R0737	488,715	3,627,812	0.681	0.00427	Worker
R0738	488,740	3,627,812	0.645	0.00404	Worker
R0739	488,765	3,627,812	0.587	0.00368	Worker
R0740	488,790	3,627,812	0.527	0.00330	Worker
R0741	488,815	3,627,812	3.961	0.00314	Resident
R0742	488,840	3,627,812	4.036	0.00320	Resident
R0743	488,865	3,627,812	0.522	0.00327	Worker
R0744	488,890	3,627,812	0.543	0.00340	Worker
R0745	488,915	3,627,812	0.595	0.00373	Worker
R0746	488,940	3,627,812	0.665	0.00417	Worker
R0747	488,965	3,627,812	0.759	0.00475	Worker
R0748	488,990	3,627,812	6.602	0.00524	Resident
R0749	489,015	3,627,812	6.909	0.00548	Resident
R0750	489,040	3,627,812	7.440	0.00590	Resident
R0751	489,065	3,627,812	0.935	0.00585	Worker
R0752	489,090	3,627,812	0.922	0.00577	Worker
R0753	489,115	3,627,812	0.914	0.00573	Worker
R0754	489,140	3,627,812	0.905	0.00567	Worker
R0755	489,165	3,627,812	0.902	0.00565	Worker
R0756	489,190	3,627,812	0.888	0.00556	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0757	489,215	3,627,812	0.868	0.00544	Worker
R0758	489,240	3,627,812	0.847	0.00531	Worker
R0759	489,265	3,627,812	0.820	0.00514	Worker
R0760	489,290	3,627,812	0.794	0.00497	Worker
R0761	489,315	3,627,812	0.773	0.00484	Worker
R0762	489,340	3,627,812	5.910	0.00469	Resident
R0763	489,365	3,627,812	5.724	0.00454	Resident
R0764	489,390	3,627,812	5.486	0.00435	Resident
R0765	489,415	3,627,812	5.298	0.00420	Resident
R0766	489,440	3,627,812	4.666	0.00370	Resident
R0767	489,465	3,627,812	4.302	0.00341	Resident
R0768	489,490	3,627,812	4.076	0.00323	Resident
R0769	489,515	3,627,812	3.921	0.00311	Resident
R0770	489,540	3,627,812	3.772	0.00299	Resident
R0771	489,565	3,627,812	3.619	0.00287	Resident
R0772	489,590	3,627,812	3.463	0.00275	Resident
R0773	489,615	3,627,812	3.322	0.00263	Resident
R0774	489,640	3,627,812	3.189	0.00253	Resident
R0775	489,665	3,627,812	3.064	0.00243	Resident
R0776	487,865	3,627,787	0.892	0.00071	Resident
R0777	487,890	3,627,787	0.926	0.00073	Resident
R0778	487,915	3,627,787	0.962	0.00076	Resident
R0779	487,940	3,627,787	1.001	0.00079	Resident
R0780	487,965	3,627,787	1.039	0.00082	Resident
R0781	487,990	3,627,787	1.080	0.00086	Resident
R0782	488,015	3,627,787	1.125	0.00089	Resident
R0783	488,040	3,627,787	1.182	0.00094	Resident
R0784	488,065	3,627,787	1.247	0.00099	Resident
R0785	488,090	3,627,787	1.310	0.00104	Resident
R0786	488,115	3,627,787	1.386	0.00110	Resident
R0787	488,140	3,627,787	1.564	0.00124	Resident
R0788	488,165	3,627,787	1.754	0.00139	Resident
R0789	488,190	3,627,787	1.802	0.00143	Resident
R0790	488,215	3,627,787	1.824	0.00145	Resident
R0791	488,240	3,627,787	2.032	0.00161	Resident
R0792	488,265	3,627,787	2.183	0.00173	Resident
R0793	488,290	3,627,787	2.248	0.00178	Resident
R0794	488,315	3,627,787	2.119	0.00168	Resident
R0795	488,340	3,627,787	2.122	0.00168	Resident
R0796	488,365	3,627,787	2.197	0.00174	Resident
R0797	488,390	3,627,787	2.290	0.00182	Resident
R0798	488,415	3,627,787	2.395	0.00190	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0799	488,440	3,627,787	2.513	0.00199	Resident
R0800	488,465	3,627,787	2.637	0.00209	Resident
R0801	488,490	3,627,787	2.764	0.00219	Resident
R0802	488,515	3,627,787	2.899	0.00230	Resident
R0803	488,540	3,627,787	3.042	0.00241	Resident
R0804	488,565	3,627,787	3.203	0.00254	Resident
R0805	488,590	3,627,787	3.372	0.00267	Resident
R0806	488,615	3,627,787	3.744	0.00297	Resident
R0807	488,640	3,627,787	4.374	0.00347	Resident
R0808	488,665	3,627,787	4.421	0.00351	Resident
R0809	488,690	3,627,787	5.405	0.00429	Resident
R0810	488,715	3,627,787	6.165	0.00489	Resident
R0811	488,740	3,627,787	5.990	0.00475	Resident
R0812	488,765	3,627,787	4.955	0.00393	Resident
R0813	488,790	3,627,787	4.564	0.00362	Resident
R0814	488,815	3,627,787	4.519	0.00358	Resident
R0815	488,840	3,627,787	4.642	0.00368	Resident
R0816	488,865	3,627,787	4.880	0.00387	Resident
R0817	488,890	3,627,787	5.206	0.00413	Resident
R0818	488,915	3,627,787	5.583	0.00443	Resident
R0819	488,940	3,627,787	6.251	0.00496	Resident
R0820	488,965	3,627,787	7.142	0.00566	Resident
R0821	488,990	3,627,787	8.221	0.00652	Resident
R0822	489,015	3,627,787	8.461	0.00671	Resident
R0823	489,040	3,627,787	8.603	0.00682	Resident
R0824	489,065	3,627,787	1.068	0.00669	Worker
R0825	489,090	3,627,787	1.062	0.00666	Worker
R0826	489,115	3,627,787	1.062	0.00665	Worker
R0827	489,140	3,627,787	1.050	0.00658	Worker
R0828	489,165	3,627,787	1.029	0.00645	Worker
R0829	489,190	3,627,787	1.005	0.00629	Worker
R0830	489,215	3,627,787	0.978	0.00613	Worker
R0831	489,240	3,627,787	0.949	0.00594	Worker
R0832	489,265	3,627,787	0.904	0.00567	Worker
R0833	489,290	3,627,787	0.882	0.00553	Worker
R0834	489,315	3,627,787	0.851	0.00533	Worker
R0835	489,340	3,627,787	6.476	0.00514	Resident
R0836	489,365	3,627,787	6.266	0.00497	Resident
R0837	489,390	3,627,787	5.975	0.00474	Resident
R0838	489,415	3,627,787	5.108	0.00405	Resident
R0839	489,440	3,627,787	4.751	0.00377	Resident
R0840	489,465	3,627,787	4.505	0.00357	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0841	489,490	3,627,787	4.336	0.00344	Resident
R0842	489,515	3,627,787	4.151	0.00329	Resident
R0843	489,540	3,627,787	3.969	0.00315	Resident
R0844	489,565	3,627,787	3.818	0.00303	Resident
R0845	489,590	3,627,787	3.654	0.00290	Resident
R0846	489,615	3,627,787	3.518	0.00279	Resident
R0847	489,640	3,627,787	3.381	0.00268	Resident
R0848	489,665	3,627,787	3.217	0.00255	Resident
R0849	487,840	3,627,762	0.950	0.00075	Resident
R0850	487,865	3,627,762	0.985	0.00078	Resident
R0851	487,890	3,627,762	1.019	0.00081	Resident
R0852	487,915	3,627,762	1.050	0.00083	Resident
R0853	487,940	3,627,762	1.081	0.00086	Resident
R0854	487,965	3,627,762	1.118	0.00089	Resident
R0855	487,990	3,627,762	1.164	0.00092	Resident
R0856	488,015	3,627,762	1.212	0.00096	Resident
R0857	488,040	3,627,762	1.285	0.00102	Resident
R0858	488,065	3,627,762	1.389	0.00110	Resident
R0859	488,090	3,627,762	1.483	0.00118	Resident
R0860	488,115	3,627,762	1.582	0.00125	Resident
R0861	488,140	3,627,762	1.762	0.00140	Resident
R0862	488,165	3,627,762	1.894	0.00150	Resident
R0863	488,190	3,627,762	1.949	0.00155	Resident
R0864	488,215	3,627,762	2.059	0.00163	Resident
R0865	488,240	3,627,762	2.213	0.00175	Resident
R0866	488,265	3,627,762	2.409	0.00191	Resident
R0867	488,290	3,627,762	2.536	0.00201	Resident
R0868	488,315	3,627,762	2.438	0.00193	Resident
R0869	488,340	3,627,762	2.396	0.00190	Resident
R0870	488,365	3,627,762	2.442	0.00194	Resident
R0871	488,390	3,627,762	2.528	0.00200	Resident
R0872	488,415	3,627,762	2.644	0.00210	Resident
R0873	488,440	3,627,762	2.776	0.00220	Resident
R0874	488,465	3,627,762	2.918	0.00231	Resident
R0875	488,490	3,627,762	3.073	0.00244	Resident
R0876	488,515	3,627,762	3.240	0.00257	Resident
R0877	488,540	3,627,762	3.431	0.00272	Resident
R0878	488,565	3,627,762	3.673	0.00291	Resident
R0879	488,590	3,627,762	4.016	0.00319	Resident
R0880	488,615	3,627,762	4.459	0.00354	Resident
R0881	488,640	3,627,762	5.180	0.00411	Resident
R0882	488,665	3,627,762	5.869	0.00465	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0883	488,690	3,627,762	6.782	0.00538	Resident
R0884	488,715	3,627,762	7.295	0.00578	Resident
R0885	488,740	3,627,762	7.457	0.00591	Resident
R0886	488,765	3,627,762	6.433	0.00510	Resident
R0887	488,790	3,627,762	6.003	0.00476	Resident
R0888	488,815	3,627,762	5.992	0.00475	Resident
R0889	488,840	3,627,762	6.204	0.00492	Resident
R0890	488,865	3,627,762	6.679	0.00530	Resident
R0891	488,890	3,627,762	7.097	0.00563	Resident
R0892	488,915	3,627,762	7.708	0.00611	Resident
R0893	488,940	3,627,762	8.462	0.00671	Resident
R0894	488,965	3,627,762	8.986	0.00713	Resident
R0895	488,990	3,627,762	9.968	0.00791	Resident
R0896	489,015	3,627,762	10.093	0.00800	Resident
R0897	489,040	3,627,762	10.102	0.00801	Resident
R0898	489,065	3,627,762	1.268	0.00794	Worker
R0899	489,090	3,627,762	1.262	0.00791	Worker
R0900	489,115	3,627,762	1.242	0.00778	Worker
R0901	489,140	3,627,762	1.216	0.00762	Worker
R0902	489,165	3,627,762	1.185	0.00742	Worker
R0903	489,190	3,627,762	1.150	0.00721	Worker
R0904	489,215	3,627,762	1.112	0.00697	Worker
R0905	489,240	3,627,762	1.066	0.00668	Worker
R0906	489,265	3,627,762	1.011	0.00633	Worker
R0907	489,290	3,627,762	0.983	0.00616	Worker
R0908	489,315	3,627,762	0.942	0.00590	Worker
R0909	489,340	3,627,762	7.134	0.00566	Resident
R0910	489,365	3,627,762	6.878	0.00545	Resident
R0911	489,390	3,627,762	5.841	0.00463	Resident
R0912	489,415	3,627,762	5.429	0.00431	Resident
R0913	489,440	3,627,762	5.099	0.00404	Resident
R0914	489,465	3,627,762	4.709	0.00373	Resident
R0915	489,490	3,627,762	4.545	0.00360	Resident
R0916	489,515	3,627,762	4.417	0.00350	Resident
R0917	489,540	3,627,762	4.169	0.00331	Resident
R0918	489,565	3,627,762	3.975	0.00315	Resident
R0919	489,590	3,627,762	3.803	0.00302	Resident
R0920	489,615	3,627,762	3.680	0.00292	Resident
R0921	489,640	3,627,762	3.583	0.00284	Resident
R0922	489,665	3,627,762	3.372	0.00267	Resident
R0923	489,690	3,627,762	3.195	0.00253	Resident
R0924	487,840	3,627,737	1.072	0.00085	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0925	487,865	3,627,737	1.108	0.00088	Resident
R0926	487,890	3,627,737	1.144	0.00091	Resident
R0927	487,915	3,627,737	1.221	0.00097	Resident
R0928	487,940	3,627,737	1.255	0.00100	Resident
R0929	487,965	3,627,737	1.297	0.00103	Resident
R0930	487,990	3,627,737	1.344	0.00107	Resident
R0931	488,015	3,627,737	1.398	0.00111	Resident
R0932	488,040	3,627,737	1.488	0.00118	Resident
R0933	488,065	3,627,737	1.621	0.00129	Resident
R0934	488,090	3,627,737	1.712	0.00136	Resident
R0935	488,115	3,627,737	1.830	0.00145	Resident
R0936	488,140	3,627,737	1.972	0.00156	Resident
R0937	488,165	3,627,737	2.223	0.00176	Resident
R0938	488,190	3,627,737	2.304	0.00183	Resident
R0939	488,215	3,627,737	2.444	0.00194	Resident
R0940	488,240	3,627,737	2.604	0.00206	Resident
R0941	488,265	3,627,737	2.808	0.00223	Resident
R0942	488,290	3,627,737	2.961	0.00235	Resident
R0943	488,315	3,627,737	2.972	0.00236	Resident
R0944	488,340	3,627,737	2.884	0.00229	Resident
R0945	488,365	3,627,737	2.849	0.00226	Resident
R0946	488,390	3,627,737	2.896	0.00230	Resident
R0947	488,415	3,627,737	3.016	0.00239	Resident
R0948	488,440	3,627,737	3.203	0.00254	Resident
R0949	488,465	3,627,737	3.422	0.00271	Resident
R0950	488,490	3,627,737	3.640	0.00289	Resident
R0951	488,515	3,627,737	3.873	0.00307	Resident
R0952	488,540	3,627,737	4.112	0.00326	Resident
R0953	488,565	3,627,737	4.350	0.00345	Resident
R0954	488,590	3,627,737	4.671	0.00370	Resident
R0955	488,615	3,627,737	5.477	0.00434	Resident
R0956	488,640	3,627,737	6.561	0.00520	Resident
R0957	488,665	3,627,737	7.864	0.00624	Resident
R0958	488,690	3,627,737	8.246	0.00654	Resident
R0959	488,715	3,627,737	8.460	0.00671	Resident
R0960	488,740	3,627,737	8.683	0.00689	Resident
R0961	488,765	3,627,737	8.734	0.00693	Resident
R0962	488,790	3,627,737	8.272	0.00656	Resident
R0963	488,815	3,627,737	8.381	0.00665	Resident
R0964	488,840	3,627,737	8.682	0.00688	Resident
R0965	488,865	3,627,737	9.315	0.00739	Resident
R0966	488,890	3,627,737	10.351	0.00821	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R0967	488,915	3,627,737	10.975	0.00870	Resident
R0968	488,940	3,627,737	11.354	0.00900	Resident
R0969	488,965	3,627,737	11.733	0.00930	Resident
R0970	488,990	3,627,737	12.052	0.00956	Resident
R0971	489,015	3,627,737	1.546	0.00969	Worker
R0972	489,040	3,627,737	1.506	0.00944	Worker
R0973	489,065	3,627,737	1.516	0.00950	Worker
R0974	489,090	3,627,737	1.489	0.00933	Worker
R0975	489,115	3,627,737	1.443	0.00904	Worker
R0976	489,140	3,627,737	1.397	0.00875	Worker
R0977	489,165	3,627,737	1.347	0.00844	Worker
R0978	489,190	3,627,737	1.300	0.00815	Worker
R0979	489,215	3,627,737	1.259	0.00789	Worker
R0980	489,240	3,627,737	1.215	0.00761	Worker
R0981	489,265	3,627,737	1.148	0.00719	Worker
R0982	489,290	3,627,737	1.103	0.00691	Worker
R0983	489,315	3,627,737	8.294	0.00658	Resident
R0984	489,340	3,627,737	7.936	0.00629	Resident
R0985	489,365	3,627,737	7.510	0.00596	Resident
R0986	489,390	3,627,737	6.022	0.00478	Resident
R0987	489,415	3,627,737	5.772	0.00458	Resident
R0988	489,440	3,627,737	5.463	0.00433	Resident
R0989	489,465	3,627,737	5.083	0.00403	Resident
R0990	489,490	3,627,737	4.803	0.00381	Resident
R0991	489,515	3,627,737	4.684	0.00371	Resident
R0992	489,540	3,627,737	4.397	0.00349	Resident
R0993	489,565	3,627,737	4.165	0.00330	Resident
R0994	489,590	3,627,737	4.005	0.00318	Resident
R0995	489,615	3,627,737	3.825	0.00303	Resident
R0996	489,640	3,627,737	3.762	0.00298	Resident
R0997	489,665	3,627,737	3.536	0.00280	Resident
R0998	489,690	3,627,737	3.335	0.00264	Resident
R0999	487,840	3,627,712	1.236	0.00098	Resident
R1000	487,865	3,627,712	1.281	0.00102	Resident
R1001	487,890	3,627,712	1.328	0.00105	Resident
R1002	487,915	3,627,712	1.393	0.00111	Resident
R1003	487,940	3,627,712	1.493	0.00118	Resident
R1004	487,965	3,627,712	1.546	0.00123	Resident
R1005	487,990	3,627,712	1.604	0.00127	Resident
R1006	488,015	3,627,712	1.683	0.00133	Resident
R1007	488,040	3,627,712	1.775	0.00141	Resident
R1008	488,065	3,627,712	1.866	0.00148	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1009	488,090	3,627,712	1.992	0.00158	Resident
R1010	488,115	3,627,712	2.112	0.00167	Resident
R1011	488,140	3,627,712	2.227	0.00177	Resident
R1012	488,165	3,627,712	2.405	0.00191	Resident
R1013	488,190	3,627,712	2.547	0.00202	Resident
R1014	488,215	3,627,712	2.719	0.00216	Resident
R1015	488,240	3,627,712	2.926	0.00232	Resident
R1016	488,265	3,627,712	3.145	0.00249	Resident
R1017	488,290	3,627,712	3.279	0.00260	Resident
R1018	488,315	3,627,712	3.462	0.00275	Resident
R1019	488,340	3,627,712	3.661	0.00290	Resident
R1020	488,365	3,627,712	3.480	0.00276	Resident
R1021	488,390	3,627,712	3.527	0.00280	Resident
R1022	488,415	3,627,712	3.790	0.00301	Resident
R1023	488,440	3,627,712	4.105	0.00326	Resident
R1024	488,465	3,627,712	4.439	0.00352	Resident
R1025	488,490	3,627,712	4.821	0.00382	Resident
R1026	488,515	3,627,712	5.214	0.00413	Resident
R1027	488,540	3,627,712	5.610	0.00445	Resident
R1028	488,565	3,627,712	6.031	0.00478	Resident
R1029	488,590	3,627,712	6.545	0.00519	Resident
R1030	488,615	3,627,712	7.553	0.00599	Resident
R1031	488,640	3,627,712	8.992	0.00713	Resident
R1032	488,665	3,627,712	9.450	0.00749	Resident
R1033	488,690	3,627,712	9.678	0.00767	Resident
R1034	488,715	3,627,712	9.901	0.00785	Resident
R1035	488,740	3,627,712	10.124	0.00803	Resident
R1036	488,765	3,627,712	10.362	0.00822	Resident
R1037	488,790	3,627,712	10.628	0.00843	Resident
R1038	488,815	3,627,712	10.952	0.00869	Resident
R1039	488,840	3,627,712	11.357	0.00901	Resident
R1040	488,865	3,627,712	11.827	0.00938	Resident
R1041	488,890	3,627,712	12.422	0.00985	Resident
R1042	488,915	3,627,712	13.211	0.01048	Resident
R1043	488,940	3,627,712	1.778	0.01114	Worker
R1044	488,965	3,627,712	1.875	0.01175	Worker
R1045	488,990	3,627,712	1.940	0.01215	Worker
R1046	489,015	3,627,712	1.916	0.01200	Worker
R1047	489,040	3,627,712	1.862	0.01167	Worker
R1048	489,065	3,627,712	1.833	0.01149	Worker
R1049	489,090	3,627,712	1.790	0.01121	Worker
R1050	489,115	3,627,712	1.734	0.01086	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1051	489,140	3,627,712	1.673	0.01048	Worker
R1052	489,165	3,627,712	1.596	0.01000	Worker
R1053	489,190	3,627,712	1.525	0.00955	Worker
R1054	489,215	3,627,712	1.453	0.00910	Worker
R1055	489,240	3,627,712	1.381	0.00865	Worker
R1056	489,265	3,627,712	1.316	0.00825	Worker
R1057	489,290	3,627,712	1.248	0.00782	Worker
R1058	489,315	3,627,712	9.300	0.00737	Resident
R1059	489,340	3,627,712	8.868	0.00703	Resident
R1060	489,365	3,627,712	7.662	0.00608	Resident
R1061	489,390	3,627,712	6.504	0.00516	Resident
R1062	489,415	3,627,712	6.182	0.00490	Resident
R1063	489,440	3,627,712	5.884	0.00467	Resident
R1064	489,465	3,627,712	5.487	0.00435	Resident
R1065	489,490	3,627,712	5.114	0.00406	Resident
R1066	489,515	3,627,712	4.978	0.00395	Resident
R1067	489,540	3,627,712	4.639	0.00368	Resident
R1068	489,565	3,627,712	4.425	0.00351	Resident
R1069	489,590	3,627,712	4.241	0.00336	Resident
R1070	489,615	3,627,712	4.089	0.00324	Resident
R1071	489,640	3,627,712	3.986	0.00316	Resident
R1072	489,665	3,627,712	3.763	0.00298	Resident
R1073	489,690	3,627,712	3.547	0.00281	Resident
R1074	487,815	3,627,687	1.310	0.00104	Resident
R1075	487,840	3,627,687	1.375	0.00109	Resident
R1076	487,865	3,627,687	1.437	0.00114	Resident
R1077	487,890	3,627,687	1.502	0.00119	Resident
R1078	487,915	3,627,687	1.566	0.00124	Resident
R1079	487,940	3,627,687	1.604	0.00127	Resident
R1080	487,965	3,627,687	1.692	0.00134	Resident
R1081	487,990	3,627,687	1.765	0.00140	Resident
R1082	488,015	3,627,687	1.839	0.00146	Resident
R1083	488,040	3,627,687	1.925	0.00153	Resident
R1084	488,065	3,627,687	2.028	0.00161	Resident
R1085	488,090	3,627,687	2.167	0.00172	Resident
R1086	488,115	3,627,687	2.288	0.00181	Resident
R1087	488,140	3,627,687	2.428	0.00193	Resident
R1088	488,165	3,627,687	2.573	0.00204	Resident
R1089	488,190	3,627,687	2.779	0.00220	Resident
R1090	488,215	3,627,687	2.988	0.00237	Resident
R1091	488,240	3,627,687	3.156	0.00250	Resident
R1092	488,265	3,627,687	3.416	0.00271	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1093	488,290	3,627,687	3.662	0.00290	Resident
R1094	488,315	3,627,687	3.857	0.00306	Resident
R1095	488,340	3,627,687	4.226	0.00335	Resident
R1096	488,365	3,627,687	4.500	0.00357	Resident
R1097	488,390	3,627,687	4.824	0.00383	Resident
R1098	488,415	3,627,687	5.407	0.00429	Resident
R1099	488,440	3,627,687	5.997	0.00476	Resident
R1100	488,465	3,627,687	6.593	0.00523	Resident
R1101	488,490	3,627,687	7.188	0.00570	Resident
R1102	488,515	3,627,687	7.825	0.00621	Resident
R1103	488,540	3,627,687	8.454	0.00670	Resident
R1104	488,565	3,627,687	9.026	0.00716	Resident
R1105	488,590	3,627,687	9.603	0.00762	Resident
R1106	488,615	3,627,687	10.703	0.00849	Resident
R1107	488,640	3,627,687	10.958	0.00869	Resident
R1108	488,665	3,627,687	11.219	0.00890	Resident
R1109	488,690	3,627,687	11.478	0.00910	Resident
R1110	488,715	3,627,687	11.723	0.00930	Resident
R1111	488,740	3,627,687	11.954	0.00948	Resident
R1112	488,765	3,627,687	12.114	0.00961	Resident
R1113	488,790	3,627,687	12.302	0.00976	Resident
R1114	488,815	3,627,687	12.672	0.01005	Resident
R1115	488,840	3,627,687	13.318	0.01056	Resident
R1116	488,865	3,627,687	1.798	0.01126	Worker
R1117	488,890	3,627,687	1.947	0.01220	Worker
R1118	488,915	3,627,687	2.162	0.01355	Worker
R1119	488,940	3,627,687	2.391	0.01498	Worker
R1120	488,965	3,627,687	2.586	0.01620	Worker
R1121	488,990	3,627,687	2.684	0.01681	Worker
R1122	489,015	3,627,687	2.617	0.01640	Worker
R1123	489,040	3,627,687	2.489	0.01559	Worker
R1124	489,065	3,627,687	2.396	0.01501	Worker
R1125	489,090	3,627,687	2.290	0.01435	Worker
R1126	489,115	3,627,687	2.180	0.01366	Worker
R1127	489,140	3,627,687	2.068	0.01296	Worker
R1128	489,165	3,627,687	1.941	0.01216	Worker
R1129	489,190	3,627,687	1.830	0.01146	Worker
R1130	489,215	3,627,687	1.717	0.01075	Worker
R1131	489,240	3,627,687	1.606	0.01006	Worker
R1132	489,265	3,627,687	1.539	0.00964	Worker
R1133	489,290	3,627,687	1.424	0.00892	Worker
R1134	489,315	3,627,687	10.496	0.00832	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1135	489,340	3,627,687	9.928	0.00787	Resident
R1136	489,365	3,627,687	8.273	0.00656	Resident
R1137	489,390	3,627,687	7.083	0.00562	Resident
R1138	489,415	3,627,687	6.689	0.00530	Resident
R1139	489,440	3,627,687	6.357	0.00504	Resident
R1140	489,465	3,627,687	5.984	0.00475	Resident
R1141	489,490	3,627,687	5.715	0.00453	Resident
R1142	489,515	3,627,687	5.368	0.00426	Resident
R1143	489,540	3,627,687	5.112	0.00405	Resident
R1144	489,565	3,627,687	4.715	0.00374	Resident
R1145	489,590	3,627,687	4.540	0.00360	Resident
R1146	489,615	3,627,687	4.364	0.00346	Resident
R1147	489,640	3,627,687	4.204	0.00333	Resident
R1148	489,665	3,627,687	3.986	0.00316	Resident
R1149	489,690	3,627,687	3.737	0.00296	Resident
R1150	487,815	3,627,662	1.351	0.00107	Resident
R1151	487,840	3,627,662	1.413	0.00112	Resident
R1152	487,865	3,627,662	1.476	0.00117	Resident
R1153	487,890	3,627,662	1.547	0.00123	Resident
R1154	487,915	3,627,662	1.618	0.00128	Resident
R1155	487,940	3,627,662	1.657	0.00131	Resident
R1156	487,965	3,627,662	1.803	0.00143	Resident
R1157	487,990	3,627,662	1.900	0.00151	Resident
R1158	488,015	3,627,662	1.976	0.00157	Resident
R1159	488,040	3,627,662	2.083	0.00165	Resident
R1160	488,065	3,627,662	2.177	0.00173	Resident
R1161	488,090	3,627,662	2.319	0.00184	Resident
R1162	488,115	3,627,662	2.468	0.00196	Resident
R1163	488,140	3,627,662	2.635	0.00209	Resident
R1164	488,165	3,627,662	2.819	0.00224	Resident
R1165	488,190	3,627,662	2.998	0.00238	Resident
R1166	488,215	3,627,662	3.221	0.00255	Resident
R1167	488,240	3,627,662	3.454	0.00274	Resident
R1168	488,265	3,627,662	3.735	0.00296	Resident
R1169	488,290	3,627,662	4.043	0.00321	Resident
R1170	488,315	3,627,662	4.393	0.00348	Resident
R1171	488,340	3,627,662	5.228	0.00415	Resident
R1172	488,365	3,627,662	6.242	0.00495	Resident
R1173	488,390	3,627,662	7.617	0.00604	Resident
R1174	488,415	3,627,662	8.564	0.00679	Resident
R1175	488,440	3,627,662	9.515	0.00755	Resident
R1176	488,465	3,627,662	10.280	0.00815	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1177	488,490	3,627,662	10.891	0.00864	Resident
R1178	488,515	3,627,662	11.406	0.00904	Resident
R1179	488,540	3,627,662	11.852	0.00940	Resident
R1180	488,565	3,627,662	12.238	0.00970	Resident
R1181	488,590	3,627,662	12.638	0.01002	Resident
R1182	488,615	3,627,662	13.052	0.01035	Resident
R1183	488,640	3,627,662	13.346	0.01058	Resident
R1184	488,665	3,627,662	13.658	0.01083	Resident
R1185	488,690	3,627,662	13.889	0.01101	Resident
R1186	488,715	3,627,662	13.976	0.01108	Resident
R1187	488,740	3,627,662	14.066	0.01115	Resident
R1188	488,765	3,627,662	14.167	0.01124	Resident
R1189	488,790	3,627,662	1.843	0.01154	Worker
R1190	488,815	3,627,662	1.929	0.01209	Worker
R1191	488,840	3,627,662	2.061	0.01291	Worker
R1192	488,865	3,627,662	2.271	0.01423	Worker
R1193	488,890	3,627,662	2.602	0.01630	Worker
R1194	489,040	3,627,662	3.812	0.02388	Worker
R1195	489,065	3,627,662	3.534	0.02214	Worker
R1196	489,090	3,627,662	3.251	0.02037	Worker
R1197	489,115	3,627,662	2.952	0.01850	Worker
R1198	489,140	3,627,662	2.690	0.01685	Worker
R1199	489,165	3,627,662	2.477	0.01552	Worker
R1200	489,190	3,627,662	2.263	0.01418	Worker
R1201	489,215	3,627,662	2.086	0.01307	Worker
R1202	489,240	3,627,662	1.902	0.01192	Worker
R1203	489,265	3,627,662	1.799	0.01127	Worker
R1204	489,290	3,627,662	1.641	0.01028	Worker
R1205	489,315	3,627,662	11.931	0.00946	Resident
R1206	489,340	3,627,662	11.177	0.00886	Resident
R1207	489,365	3,627,662	9.175	0.00728	Resident
R1208	489,390	3,627,662	7.914	0.00628	Resident
R1209	489,415	3,627,662	7.368	0.00584	Resident
R1210	489,440	3,627,662	6.935	0.00550	Resident
R1211	489,465	3,627,662	6.640	0.00527	Resident
R1212	489,490	3,627,662	6.280	0.00498	Resident
R1213	489,515	3,627,662	5.862	0.00465	Resident
R1214	489,540	3,627,662	5.568	0.00442	Resident
R1215	489,565	3,627,662	5.192	0.00412	Resident
R1216	489,590	3,627,662	4.921	0.00390	Resident
R1217	489,615	3,627,662	4.666	0.00370	Resident
R1218	489,640	3,627,662	4.464	0.00354	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1219	489,665	3,627,662	4.236	0.00336	Resident
R1220	489,690	3,627,662	4.022	0.00319	Resident
R1221	489,715	3,627,662	3.828	0.00304	Resident
R1222	487,815	3,627,637	1.376	0.00109	Resident
R1223	487,840	3,627,637	1.447	0.00115	Resident
R1224	487,865	3,627,637	1.511	0.00120	Resident
R1225	487,890	3,627,637	1.590	0.00126	Resident
R1226	487,915	3,627,637	1.664	0.00132	Resident
R1227	487,940	3,627,637	1.721	0.00136	Resident
R1228	487,965	3,627,637	1.860	0.00148	Resident
R1229	487,990	3,627,637	2.008	0.00159	Resident
R1230	488,015	3,627,637	2.114	0.00168	Resident
R1231	488,040	3,627,637	2.224	0.00176	Resident
R1232	488,065	3,627,637	2.346	0.00186	Resident
R1233	488,090	3,627,637	2.479	0.00197	Resident
R1234	488,115	3,627,637	2.627	0.00208	Resident
R1235	488,140	3,627,637	2.809	0.00223	Resident
R1236	488,165	3,627,637	3.018	0.00239	Resident
R1237	488,190	3,627,637	3.206	0.00254	Resident
R1238	488,215	3,627,637	3.469	0.00275	Resident
R1239	488,240	3,627,637	3.778	0.00300	Resident
R1240	488,265	3,627,637	4.137	0.00328	Resident
R1241	488,290	3,627,637	4.524	0.00359	Resident
R1242	488,315	3,627,637	5.278	0.00419	Resident
R1243	488,340	3,627,637	7.630	0.00605	Resident
R1244	488,365	3,627,637	8.921	0.00707	Resident
R1245	488,390	3,627,637	10.148	0.00805	Resident
R1246	488,415	3,627,637	11.393	0.00904	Resident
R1247	488,440	3,627,637	12.540	0.00994	Resident
R1248	488,465	3,627,637	13.480	0.01069	Resident
R1249	488,490	3,627,637	14.230	0.01128	Resident
R1250	488,515	3,627,637	14.827	0.01176	Resident
R1251	488,540	3,627,637	15.328	0.01216	Resident
R1252	488,565	3,627,637	15.716	0.01246	Resident
R1253	488,590	3,627,637	16.165	0.01282	Resident
R1254	488,615	3,627,637	16.405	0.01301	Resident
R1255	488,640	3,627,637	16.795	0.01332	Resident
R1256	488,665	3,627,637	16.861	0.01337	Resident
R1257	488,690	3,627,637	17.044	0.01352	Resident
R1258	488,715	3,627,637	2.175	0.01362	Worker
R1259	488,740	3,627,637	2.211	0.01385	Worker
R1260	488,765	3,627,637	2.226	0.01395	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1261	488,790	3,627,637	2.288	0.01434	Worker
R1262	488,815	3,627,637	2.417	0.01514	Worker
R1263	488,840	3,627,637	2.677	0.01677	Worker
R1264	488,865	3,627,637	3.100	0.01942	Worker
R1265	489,115	3,627,637	4.424	0.02771	Worker
R1266	489,140	3,627,637	3.981	0.02494	Worker
R1267	489,165	3,627,637	3.476	0.02178	Worker
R1268	489,190	3,627,637	2.984	0.01869	Worker
R1269	489,215	3,627,637	2.642	0.01655	Worker
R1270	489,240	3,627,637	2.329	0.01459	Worker
R1271	489,265	3,627,637	2.133	0.01336	Worker
R1272	489,290	3,627,637	1.909	0.01196	Worker
R1273	489,315	3,627,637	13.653	0.01083	Resident
R1274	489,340	3,627,637	12.678	0.01005	Resident
R1275	489,365	3,627,637	10.445	0.00828	Resident
R1276	489,390	3,627,637	9.408	0.00746	Resident
R1277	489,415	3,627,637	8.332	0.00661	Resident
R1278	489,440	3,627,637	7.689	0.00610	Resident
R1279	489,465	3,627,637	7.242	0.00574	Resident
R1280	489,490	3,627,637	6.807	0.00540	Resident
R1281	489,515	3,627,637	6.431	0.00510	Resident
R1282	489,540	3,627,637	6.130	0.00486	Resident
R1283	489,565	3,627,637	5.732	0.00455	Resident
R1284	489,590	3,627,637	5.431	0.00431	Resident
R1285	489,615	3,627,637	5.123	0.00406	Resident
R1286	489,640	3,627,637	4.856	0.00385	Resident
R1287	489,665	3,627,637	4.660	0.00370	Resident
R1288	489,690	3,627,637	4.442	0.00352	Resident
R1289	489,715	3,627,637	4.303	0.00341	Resident
R1290	487,790	3,627,612	1.363	0.00108	Resident
R1291	487,815	3,627,612	1.427	0.00113	Resident
R1292	487,840	3,627,612	1.491	0.00118	Resident
R1293	487,865	3,627,612	1.557	0.00123	Resident
R1294	487,890	3,627,612	1.639	0.00130	Resident
R1295	487,915	3,627,612	1.716	0.00136	Resident
R1296	487,940	3,627,612	1.795	0.00142	Resident
R1297	487,965	3,627,612	1.919	0.00152	Resident
R1298	487,990	3,627,612	2.080	0.00165	Resident
R1299	488,015	3,627,612	2.202	0.00175	Resident
R1300	488,040	3,627,612	2.321	0.00184	Resident
R1301	488,065	3,627,612	2.452	0.00194	Resident
R1302	488,090	3,627,612	2.594	0.00206	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1303	488,115	3,627,612	2.771	0.00220	Resident
R1304	488,140	3,627,612	2.960	0.00235	Resident
R1305	488,165	3,627,612	3.165	0.00251	Resident
R1306	488,190	3,627,612	3.434	0.00272	Resident
R1307	488,215	3,627,612	3.772	0.00299	Resident
R1308	488,240	3,627,612	4.277	0.00339	Resident
R1309	488,265	3,627,612	4.707	0.00373	Resident
R1310	488,290	3,627,612	5.115	0.00406	Resident
R1311	488,315	3,627,612	6.249	0.00496	Resident
R1312	488,340	3,627,612	9.921	0.00787	Resident
R1313	488,365	3,627,612	12.021	0.00953	Resident
R1314	488,390	3,627,612	14.395	0.01142	Resident
R1315	488,415	3,627,612	16.717	0.01326	Resident
R1316	488,440	3,627,612	18.575	0.01473	Resident
R1317	488,465	3,627,612	19.872	0.01576	Resident
R1318	488,490	3,627,612	20.760	0.01646	Resident
R1319	488,515	3,627,612	21.413	0.01698	Resident
R1320	488,540	3,627,612	21.893	0.01736	Resident
R1321	488,565	3,627,612	22.291	0.01768	Resident
R1322	488,590	3,627,612	22.710	0.01801	Resident
R1323	488,615	3,627,612	23.116	0.01833	Resident
R1324	488,640	3,627,612	2.976	0.01865	Worker
R1325	488,665	3,627,612	3.015	0.01889	Worker
R1326	488,690	3,627,612	3.050	0.01911	Worker
R1327	488,715	3,627,612	3.071	0.01924	Worker
R1328	488,740	3,627,612	3.039	0.01904	Worker
R1329	488,765	3,627,612	2.904	0.01819	Worker
R1330	488,790	3,627,612	2.933	0.01837	Worker
R1331	488,815	3,627,612	3.197	0.02003	Worker
R1332	489,190	3,627,612	4.605	0.02885	Worker
R1333	489,215	3,627,612	3.817	0.02391	Worker
R1334	489,240	3,627,612	2.974	0.01863	Worker
R1335	489,265	3,627,612	2.577	0.01614	Worker
R1336	489,290	3,627,612	2.236	0.01401	Worker
R1337	489,315	3,627,612	15.647	0.01241	Resident
R1338	489,340	3,627,612	14.398	0.01142	Resident
R1339	489,365	3,627,612	13.073	0.01037	Resident
R1340	489,390	3,627,612	11.922	0.00945	Resident
R1341	489,415	3,627,612	10.995	0.00872	Resident
R1342	489,440	3,627,612	10.087	0.00800	Resident
R1343	489,465	3,627,612	8.575	0.00680	Resident
R1344	489,490	3,627,612	7.723	0.00612	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1345	489,515	3,627,612	7.125	0.00565	Resident
R1346	489,540	3,627,612	6.758	0.00536	Resident
R1347	489,565	3,627,612	6.330	0.00502	Resident
R1348	489,590	3,627,612	5.911	0.00469	Resident
R1349	489,615	3,627,612	5.579	0.00442	Resident
R1350	489,640	3,627,612	5.262	0.00417	Resident
R1351	489,665	3,627,612	5.265	0.00418	Resident
R1352	489,690	3,627,612	5.051	0.00401	Resident
R1353	489,715	3,627,612	4.862	0.00386	Resident
R1354	487,790	3,627,587	1.406	0.00111	Resident
R1355	487,815	3,627,587	1.471	0.00117	Resident
R1356	487,840	3,627,587	1.534	0.00122	Resident
R1357	487,865	3,627,587	1.614	0.00128	Resident
R1358	487,890	3,627,587	1.694	0.00134	Resident
R1359	487,915	3,627,587	1.783	0.00141	Resident
R1360	487,940	3,627,587	1.882	0.00149	Resident
R1361	487,965	3,627,587	2.003	0.00159	Resident
R1362	487,990	3,627,587	2.157	0.00171	Resident
R1363	488,015	3,627,587	2.300	0.00182	Resident
R1364	488,040	3,627,587	2.470	0.00196	Resident
R1365	488,065	3,627,587	2.546	0.00202	Resident
R1366	488,090	3,627,587	2.693	0.00214	Resident
R1367	488,115	3,627,587	2.884	0.00229	Resident
R1368	488,140	3,627,587	3.127	0.00248	Resident
R1369	488,165	3,627,587	3.374	0.00268	Resident
R1370	488,190	3,627,587	3.781	0.00300	Resident
R1371	488,215	3,627,587	4.304	0.00341	Resident
R1372	488,240	3,627,587	4.976	0.00395	Resident
R1373	488,265	3,627,587	5.628	0.00446	Resident
R1374	488,290	3,627,587	6.515	0.00517	Resident
R1375	488,315	3,627,587	8.616	0.00683	Resident
R1376	488,340	3,627,587	14.555	0.01154	Resident
R1377	488,365	3,627,587	18.316	0.01453	Resident
R1378	488,390	3,627,587	22.032	0.01747	Resident
R1379	488,740	3,627,587	4.370	0.02738	Worker
R1380	488,765	3,627,587	3.829	0.02399	Worker
R1381	488,790	3,627,587	3.800	0.02381	Worker
R1382	489,240	3,627,587	3.966	0.02485	Worker
R1383	489,265	3,627,587	3.117	0.01953	Worker
R1384	489,290	3,627,587	2.605	0.01632	Worker
R1385	489,315	3,627,587	17.815	0.01413	Resident
R1386	489,340	3,627,587	16.222	0.01286	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1387	489,365	3,627,587	14.528	0.01152	Resident
R1388	489,390	3,627,587	13.033	0.01034	Resident
R1389	489,415	3,627,587	11.939	0.00947	Resident
R1390	489,440	3,627,587	11.072	0.00878	Resident
R1391	489,465	3,627,587	10.239	0.00812	Resident
R1392	489,490	3,627,587	9.511	0.00754	Resident
R1393	489,515	3,627,587	8.886	0.00705	Resident
R1394	489,540	3,627,587	8.237	0.00653	Resident
R1395	489,565	3,627,587	7.143	0.00566	Resident
R1396	489,590	3,627,587	6.815	0.00540	Resident
R1397	489,615	3,627,587	6.171	0.00489	Resident
R1398	489,640	3,627,587	5.759	0.00457	Resident
R1399	489,665	3,627,587	5.776	0.00458	Resident
R1400	489,690	3,627,587	5.936	0.00471	Resident
R1401	489,715	3,627,587	5.631	0.00447	Resident
R1402	487,790	3,627,562	1.446	0.00115	Resident
R1403	487,815	3,627,562	1.516	0.00120	Resident
R1404	487,840	3,627,562	1.589	0.00126	Resident
R1405	487,865	3,627,562	1.667	0.00132	Resident
R1406	487,890	3,627,562	1.745	0.00138	Resident
R1407	487,915	3,627,562	1.871	0.00148	Resident
R1408	487,940	3,627,562	1.966	0.00156	Resident
R1409	487,965	3,627,562	2.099	0.00166	Resident
R1410	487,990	3,627,562	2.247	0.00178	Resident
R1411	488,015	3,627,562	2.420	0.00192	Resident
R1412	488,040	3,627,562	2.583	0.00205	Resident
R1413	488,065	3,627,562	2.663	0.00211	Resident
R1414	488,090	3,627,562	2.834	0.00225	Resident
R1415	488,115	3,627,562	3.078	0.00244	Resident
R1416	488,140	3,627,562	3.381	0.00268	Resident
R1417	488,165	3,627,562	3.787	0.00300	Resident
R1418	488,190	3,627,562	4.276	0.00339	Resident
R1419	488,215	3,627,562	4.851	0.00385	Resident
R1420	488,240	3,627,562	5.859	0.00465	Resident
R1421	488,265	3,627,562	7.922	0.00628	Resident
R1422	488,290	3,627,562	10.889	0.00864	Resident
R1423	488,315	3,627,562	16.484	0.01307	Resident
R1424	488,765	3,627,562	4.980	0.03120	Worker
R1425	489,240	3,627,562	4.724	0.02959	Worker
R1426	489,265	3,627,562	3.631	0.02275	Worker
R1427	489,290	3,627,562	2.975	0.01863	Worker
R1428	489,315	3,627,562	20.045	0.01590	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1429	489,340	3,627,562	18.030	0.01430	Resident
R1430	489,365	3,627,562	16.003	0.01269	Resident
R1431	489,390	3,627,562	14.339	0.01137	Resident
R1432	489,415	3,627,562	13.027	0.01033	Resident
R1433	489,440	3,627,562	11.930	0.00946	Resident
R1434	489,465	3,627,562	11.022	0.00874	Resident
R1435	489,490	3,627,562	10.286	0.00816	Resident
R1436	489,515	3,627,562	9.588	0.00760	Resident
R1437	489,540	3,627,562	8.932	0.00708	Resident
R1438	489,565	3,627,562	8.375	0.00664	Resident
R1439	489,590	3,627,562	7.849	0.00622	Resident
R1440	489,615	3,627,562	7.414	0.00588	Resident
R1441	489,640	3,627,562	7.015	0.00556	Resident
R1442	489,665	3,627,562	6.639	0.00526	Resident
R1443	489,690	3,627,562	6.299	0.00499	Resident
R1444	489,715	3,627,562	5.950	0.00472	Resident
R1445	487,790	3,627,537	1.506	0.00119	Resident
R1446	487,815	3,627,537	1.564	0.00124	Resident
R1447	487,840	3,627,537	1.632	0.00129	Resident
R1448	487,865	3,627,537	1.717	0.00136	Resident
R1449	487,890	3,627,537	1.841	0.00146	Resident
R1450	487,915	3,627,537	1.963	0.00156	Resident
R1451	487,940	3,627,537	2.092	0.00166	Resident
R1452	487,965	3,627,537	2.206	0.00175	Resident
R1453	487,990	3,627,537	2.339	0.00186	Resident
R1454	488,015	3,627,537	2.488	0.00197	Resident
R1455	488,040	3,627,537	2.690	0.00213	Resident
R1456	488,065	3,627,537	2.895	0.00230	Resident
R1457	488,090	3,627,537	3.043	0.00241	Resident
R1458	488,115	3,627,537	3.388	0.00269	Resident
R1459	488,140	3,627,537	3.725	0.00295	Resident
R1460	488,165	3,627,537	4.163	0.00330	Resident
R1461	488,190	3,627,537	4.760	0.00377	Resident
R1462	488,215	3,627,537	5.733	0.00455	Resident
R1463	488,240	3,627,537	7.343	0.00582	Resident
R1464	488,265	3,627,537	9.859	0.00782	Resident
R1465	489,240	3,627,537	5.169	0.03238	Worker
R1466	489,265	3,627,537	4.024	0.02521	Worker
R1467	489,290	3,627,537	26.069	0.02067	Resident
R1468	489,315	3,627,537	22.140	0.01756	Resident
R1469	489,340	3,627,537	19.209	0.01523	Resident
R1470	489,365	3,627,537	17.118	0.01357	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1471	489,390	3,627,537	15.488	0.01228	Resident
R1472	489,415	3,627,537	14.116	0.01119	Resident
R1473	489,440	3,627,537	12.888	0.01022	Resident
R1474	489,465	3,627,537	11.843	0.00939	Resident
R1475	489,490	3,627,537	10.961	0.00869	Resident
R1476	489,515	3,627,537	10.268	0.00814	Resident
R1477	489,540	3,627,537	9.576	0.00759	Resident
R1478	489,565	3,627,537	8.941	0.00709	Resident
R1479	489,590	3,627,537	8.384	0.00665	Resident
R1480	489,615	3,627,537	7.889	0.00626	Resident
R1481	489,640	3,627,537	7.432	0.00589	Resident
R1482	489,665	3,627,537	7.012	0.00556	Resident
R1483	489,690	3,627,537	6.625	0.00525	Resident
R1484	489,715	3,627,537	6.267	0.00497	Resident
R1485	487,790	3,627,512	1.531	0.00121	Resident
R1486	487,815	3,627,512	1.629	0.00129	Resident
R1487	487,840	3,627,512	1.720	0.00136	Resident
R1488	487,865	3,627,512	1.821	0.00144	Resident
R1489	487,890	3,627,512	1.942	0.00154	Resident
R1490	487,915	3,627,512	2.084	0.00165	Resident
R1491	487,940	3,627,512	2.178	0.00173	Resident
R1492	487,965	3,627,512	2.300	0.00182	Resident
R1493	487,990	3,627,512	2.440	0.00193	Resident
R1494	488,015	3,627,512	2.623	0.00208	Resident
R1495	488,040	3,627,512	2.826	0.00224	Resident
R1496	488,065	3,627,512	3.048	0.00242	Resident
R1497	488,090	3,627,512	3.297	0.00261	Resident
R1498	488,115	3,627,512	3.596	0.00285	Resident
R1499	488,140	3,627,512	4.038	0.00320	Resident
R1500	488,165	3,627,512	4.590	0.00364	Resident
R1501	488,190	3,627,512	5.527	0.00438	Resident
R1502	488,215	3,627,512	6.519	0.00517	Resident
R1503	488,240	3,627,512	1.016	0.00637	Worker
R1504	488,265	3,627,512	1.389	0.00870	Worker
R1505	489,240	3,627,512	5.509	0.03451	Worker
R1506	489,265	3,627,512	4.337	0.02717	Worker
R1507	489,290	3,627,512	3.579	0.02242	Worker
R1508	489,315	3,627,512	24.027	0.01905	Resident
R1509	489,340	3,627,512	20.838	0.01652	Resident
R1510	489,365	3,627,512	18.550	0.01471	Resident
R1511	489,390	3,627,512	16.635	0.01319	Resident
R1512	489,415	3,627,512	15.056	0.01194	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1513	489,440	3,627,512	13.769	0.01092	Resident
R1514	489,465	3,627,512	1.608	0.01007	Worker
R1515	489,490	3,627,512	1.482	0.00929	Worker
R1516	489,515	3,627,512	10.856	0.00861	Resident
R1517	489,540	3,627,512	10.124	0.00803	Resident
R1518	489,565	3,627,512	9.477	0.00752	Resident
R1519	489,590	3,627,512	8.910	0.00707	Resident
R1520	489,615	3,627,512	8.363	0.00663	Resident
R1521	489,640	3,627,512	7.846	0.00622	Resident
R1522	489,665	3,627,512	7.391	0.00586	Resident
R1523	489,690	3,627,512	6.987	0.00554	Resident
R1524	489,715	3,627,512	6.583	0.00522	Resident
R1525	487,790	3,627,487	1.561	0.00124	Resident
R1526	487,815	3,627,487	1.720	0.00136	Resident
R1527	487,840	3,627,487	1.810	0.00144	Resident
R1528	487,865	3,627,487	1.898	0.00151	Resident
R1529	487,890	3,627,487	2.018	0.00160	Resident
R1530	487,915	3,627,487	2.156	0.00171	Resident
R1531	487,940	3,627,487	2.297	0.00182	Resident
R1532	487,965	3,627,487	2.397	0.00190	Resident
R1533	487,990	3,627,487	2.588	0.00205	Resident
R1534	488,015	3,627,487	2.765	0.00219	Resident
R1535	488,040	3,627,487	2.961	0.00235	Resident
R1536	488,065	3,627,487	3.186	0.00253	Resident
R1537	488,090	3,627,487	3.478	0.00276	Resident
R1538	488,115	3,627,487	3.880	0.00308	Resident
R1539	488,140	3,627,487	4.514	0.00358	Resident
R1540	488,165	3,627,487	5.110	0.00405	Resident
R1541	488,190	3,627,487	5.857	0.00464	Resident
R1542	488,215	3,627,487	0.875	0.00548	Worker
R1543	488,240	3,627,487	1.087	0.00681	Worker
R1544	488,265	3,627,487	1.456	0.00912	Worker
R1545	489,240	3,627,487	5.803	0.03635	Worker
R1546	489,265	3,627,487	4.607	0.02886	Worker
R1547	489,290	3,627,487	3.822	0.02394	Worker
R1548	489,315	3,627,487	25.744	0.02042	Resident
R1549	489,340	3,627,487	22.351	0.01772	Resident
R1550	489,365	3,627,487	19.908	0.01579	Resident
R1551	489,390	3,627,487	17.862	0.01417	Resident
R1552	489,415	3,627,487	16.128	0.01279	Resident
R1553	489,440	3,627,487	14.677	0.01164	Resident
R1554	489,465	3,627,487	1.718	0.01076	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1555	489,490	3,627,487	1.582	0.00991	Worker
R1556	489,515	3,627,487	1.463	0.00916	Worker
R1557	489,540	3,627,487	1.357	0.00850	Worker
R1558	489,565	3,627,487	1.266	0.00793	Worker
R1559	489,590	3,627,487	9.361	0.00742	Resident
R1560	489,615	3,627,487	8.797	0.00698	Resident
R1561	489,640	3,627,487	8.259	0.00655	Resident
R1562	489,665	3,627,487	7.773	0.00616	Resident
R1563	489,690	3,627,487	7.367	0.00584	Resident
R1564	489,715	3,627,487	6.955	0.00552	Resident
R1565	487,790	3,627,462	1.642	0.00130	Resident
R1566	487,815	3,627,462	1.779	0.00141	Resident
R1567	487,840	3,627,462	1.875	0.00149	Resident
R1568	487,865	3,627,462	1.974	0.00157	Resident
R1569	487,890	3,627,462	2.094	0.00166	Resident
R1570	487,915	3,627,462	2.242	0.00178	Resident
R1571	487,940	3,627,462	2.404	0.00191	Resident
R1572	487,965	3,627,462	2.562	0.00203	Resident
R1573	487,990	3,627,462	2.716	0.00215	Resident
R1574	488,015	3,627,462	2.924	0.00232	Resident
R1575	488,040	3,627,462	3.101	0.00246	Resident
R1576	488,065	3,627,462	3.354	0.00266	Resident
R1577	488,090	3,627,462	3.731	0.00296	Resident
R1578	488,115	3,627,462	4.265	0.00338	Resident
R1579	488,140	3,627,462	4.742	0.00376	Resident
R1580	488,165	3,627,462	0.676	0.00424	Worker
R1581	488,190	3,627,462	0.775	0.00485	Worker
R1582	488,215	3,627,462	0.916	0.00574	Worker
R1583	488,240	3,627,462	1.125	0.00705	Worker
R1584	488,265	3,627,462	1.493	0.00935	Worker
R1585	488,290	3,627,462	2.127	0.01333	Worker
R1586	489,240	3,627,462	6.038	0.03783	Worker
R1587	489,265	3,627,462	4.850	0.03038	Worker
R1588	489,290	3,627,462	4.041	0.02532	Worker
R1589	489,315	3,627,462	27.322	0.02167	Resident
R1590	489,340	3,627,462	23.732	0.01882	Resident
R1591	489,365	3,627,462	21.161	0.01678	Resident
R1592	489,390	3,627,462	18.974	0.01505	Resident
R1593	489,415	3,627,462	17.150	0.01360	Resident
R1594	489,440	3,627,462	15.583	0.01236	Resident
R1595	489,465	3,627,462	1.823	0.01142	Worker
R1596	489,490	3,627,462	1.677	0.01051	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1597	489,515	3,627,462	1.549	0.00970	Worker
R1598	489,540	3,627,462	1.437	0.00900	Worker
R1599	489,565	3,627,462	1.338	0.00838	Worker
R1600	489,590	3,627,462	1.249	0.00782	Worker
R1601	489,615	3,627,462	1.168	0.00732	Worker
R1602	489,640	3,627,462	8.662	0.00687	Resident
R1603	489,665	3,627,462	8.154	0.00647	Resident
R1604	489,690	3,627,462	7.753	0.00615	Resident
R1605	489,715	3,627,462	7.335	0.00582	Resident
R1606	487,815	3,627,437	1.834	0.00145	Resident
R1607	487,840	3,627,437	1.932	0.00153	Resident
R1608	487,865	3,627,437	2.035	0.00161	Resident
R1609	487,890	3,627,437	2.174	0.00172	Resident
R1610	487,915	3,627,437	2.321	0.00184	Resident
R1611	487,940	3,627,437	2.503	0.00199	Resident
R1612	487,965	3,627,437	2.739	0.00217	Resident
R1613	487,990	3,627,437	2.922	0.00232	Resident
R1614	488,015	3,627,437	3.035	0.00241	Resident
R1615	488,040	3,627,437	3.271	0.00259	Resident
R1616	488,065	3,627,437	3.565	0.00283	Resident
R1617	488,090	3,627,437	4.030	0.00320	Resident
R1618	488,115	3,627,437	4.431	0.00351	Resident
R1619	488,140	3,627,437	0.623	0.00390	Worker
R1620	488,165	3,627,437	0.702	0.00440	Worker
R1621	488,190	3,627,437	0.811	0.00508	Worker
R1622	488,215	3,627,437	0.953	0.00597	Worker
R1623	488,240	3,627,437	1.162	0.00728	Worker
R1624	488,265	3,627,437	1.529	0.00958	Worker
R1625	488,290	3,627,437	2.097	0.01314	Worker
R1626	489,240	3,627,437	6.223	0.03899	Worker
R1627	489,265	3,627,437	5.075	0.03179	Worker
R1628	489,290	3,627,437	4.243	0.02658	Worker
R1629	489,315	3,627,437	28.784	0.02283	Resident
R1630	489,340	3,627,437	25.005	0.01983	Resident
R1631	489,365	3,627,437	22.363	0.01773	Resident
R1632	489,390	3,627,437	20.033	0.01589	Resident
R1633	489,415	3,627,437	18.124	0.01437	Resident
R1634	489,440	3,627,437	16.460	0.01305	Resident
R1635	489,465	3,627,437	1.921	0.01203	Worker
R1636	489,490	3,627,437	1.767	0.01107	Worker
R1637	489,515	3,627,437	1.633	0.01023	Worker
R1638	489,540	3,627,437	1.515	0.00949	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1639	489,565	3,627,437	1.408	0.00882	Worker
R1640	489,590	3,627,437	1.313	0.00822	Worker
R1641	489,615	3,627,437	1.227	0.00769	Worker
R1642	489,640	3,627,437	1.151	0.00721	Worker
R1643	489,665	3,627,437	1.082	0.00678	Worker
R1644	489,690	3,627,437	1.020	0.00639	Worker
R1645	489,715	3,627,437	7.611	0.00604	Resident
R1646	487,815	3,627,412	1.894	0.00150	Resident
R1647	487,840	3,627,412	1.990	0.00158	Resident
R1648	487,865	3,627,412	2.102	0.00167	Resident
R1649	487,890	3,627,412	2.244	0.00178	Resident
R1650	487,915	3,627,412	2.396	0.00190	Resident
R1651	487,940	3,627,412	2.564	0.00203	Resident
R1652	487,965	3,627,412	2.830	0.00224	Resident
R1653	487,990	3,627,412	3.037	0.00241	Resident
R1654	488,015	3,627,412	3.241	0.00257	Resident
R1655	488,040	3,627,412	3.496	0.00277	Resident
R1656	488,065	3,627,412	3.820	0.00303	Resident
R1657	488,090	3,627,412	0.527	0.00330	Worker
R1658	488,115	3,627,412	0.580	0.00363	Worker
R1659	488,140	3,627,412	0.644	0.00404	Worker
R1660	488,165	3,627,412	0.733	0.00459	Worker
R1661	488,190	3,627,412	0.838	0.00525	Worker
R1662	488,215	3,627,412	0.981	0.00615	Worker
R1663	488,240	3,627,412	1.190	0.00746	Worker
R1664	488,265	3,627,412	1.539	0.00964	Worker
R1665	488,290	3,627,412	2.074	0.01299	Worker
R1666	489,240	3,627,412	6.452	0.04042	Worker
R1667	489,265	3,627,412	5.308	0.03326	Worker
R1668	489,290	3,627,412	4.440	0.02782	Worker
R1669	489,315	3,627,412	30.203	0.02395	Resident
R1670	489,340	3,627,412	26.212	0.02079	Resident
R1671	489,365	3,627,412	23.457	0.01860	Resident
R1672	489,390	3,627,412	21.059	0.01670	Resident
R1673	489,415	3,627,412	19.055	0.01511	Resident
R1674	489,440	3,627,412	17.292	0.01371	Resident
R1675	489,465	3,627,412	2.016	0.01263	Worker
R1676	489,490	3,627,412	1.854	0.01161	Worker
R1677	489,515	3,627,412	1.712	0.01073	Worker
R1678	489,540	3,627,412	1.589	0.00996	Worker
R1679	489,565	3,627,412	1.478	0.00926	Worker
R1680	489,590	3,627,412	1.376	0.00862	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1681	489,615	3,627,412	1.287	0.00806	Worker
R1682	489,640	3,627,412	1.206	0.00756	Worker
R1683	489,665	3,627,412	1.132	0.00709	Worker
R1684	489,690	3,627,412	1.067	0.00668	Worker
R1685	489,715	3,627,412	1.007	0.00631	Worker
R1686	487,815	3,627,387	1.947	0.00154	Resident
R1687	487,840	3,627,387	2.057	0.00163	Resident
R1688	487,865	3,627,387	2.180	0.00173	Resident
R1689	487,890	3,627,387	2.320	0.00184	Resident
R1690	487,915	3,627,387	2.477	0.00196	Resident
R1691	487,940	3,627,387	2.637	0.00209	Resident
R1692	487,965	3,627,387	2.837	0.00225	Resident
R1693	487,990	3,627,387	3.131	0.00248	Resident
R1694	488,015	3,627,387	3.368	0.00267	Resident
R1695	488,040	3,627,387	3.630	0.00288	Resident
R1696	488,065	3,627,387	0.498	0.00312	Worker
R1697	488,090	3,627,387	0.544	0.00341	Worker
R1698	488,115	3,627,387	0.600	0.00376	Worker
R1699	488,140	3,627,387	0.670	0.00420	Worker
R1700	488,165	3,627,387	0.752	0.00471	Worker
R1701	488,190	3,627,387	0.859	0.00538	Worker
R1702	488,215	3,627,387	1.002	0.00628	Worker
R1703	488,240	3,627,387	1.204	0.00754	Worker
R1704	488,265	3,627,387	1.534	0.00961	Worker
R1705	488,290	3,627,387	2.044	0.01281	Worker
R1706	489,240	3,627,387	6.733	0.04218	Worker
R1707	489,265	3,627,387	5.584	0.03498	Worker
R1708	489,290	3,627,387	4.653	0.02915	Worker
R1709	489,315	3,627,387	31.614	0.02507	Resident
R1710	489,340	3,627,387	27.364	0.02170	Resident
R1711	489,365	3,627,387	24.560	0.01948	Resident
R1712	489,390	3,627,387	21.990	0.01744	Resident
R1713	489,415	3,627,387	19.869	0.01576	Resident
R1714	489,440	3,627,387	18.074	0.01433	Resident
R1715	489,465	3,627,387	2.106	0.01319	Worker
R1716	489,490	3,627,387	1.937	0.01213	Worker
R1717	489,515	3,627,387	1.789	0.01121	Worker
R1718	489,540	3,627,387	1.661	0.01041	Worker
R1719	489,565	3,627,387	1.543	0.00966	Worker
R1720	489,590	3,627,387	1.438	0.00901	Worker
R1721	489,615	3,627,387	1.343	0.00842	Worker
R1722	489,640	3,627,387	1.259	0.00789	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1723	489,665	3,627,387	1.181	0.00740	Worker
R1724	489,690	3,627,387	1.113	0.00697	Worker
R1725	489,715	3,627,387	1.051	0.00658	Worker
R1726	489,740	3,627,387	0.993	0.00622	Worker
R1727	487,815	3,627,362	1.997	0.00158	Resident
R1728	487,840	3,627,362	2.117	0.00168	Resident
R1729	487,865	3,627,362	2.252	0.00179	Resident
R1730	487,890	3,627,362	2.392	0.00190	Resident
R1731	487,915	3,627,362	2.546	0.00202	Resident
R1732	487,940	3,627,362	2.713	0.00215	Resident
R1733	487,965	3,627,362	2.904	0.00230	Resident
R1734	487,990	3,627,362	3.205	0.00254	Resident
R1735	488,015	3,627,362	3.457	0.00274	Resident
R1736	488,040	3,627,362	0.472	0.00296	Worker
R1737	488,065	3,627,362	0.512	0.00321	Worker
R1738	488,090	3,627,362	0.560	0.00351	Worker
R1739	488,115	3,627,362	0.616	0.00386	Worker
R1740	488,140	3,627,362	0.686	0.00430	Worker
R1741	488,165	3,627,362	0.770	0.00482	Worker
R1742	488,190	3,627,362	0.875	0.00548	Worker
R1743	488,215	3,627,362	1.014	0.00635	Worker
R1744	488,240	3,627,362	1.211	0.00758	Worker
R1745	488,265	3,627,362	1.522	0.00954	Worker
R1746	488,290	3,627,362	2.009	0.01259	Worker
R1747	489,240	3,627,362	7.045	0.04414	Worker
R1748	489,265	3,627,362	5.882	0.03685	Worker
R1749	489,290	3,627,362	4.886	0.03061	Worker
R1750	489,315	3,627,362	33.067	0.02622	Resident
R1751	489,340	3,627,362	28.607	0.02269	Resident
R1752	489,365	3,627,362	25.475	0.02020	Resident
R1753	489,390	3,627,362	22.858	0.01813	Resident
R1754	489,415	3,627,362	20.699	0.01641	Resident
R1755	489,440	3,627,362	18.806	0.01491	Resident
R1756	489,465	3,627,362	17.267	0.01369	Resident
R1757	489,490	3,627,362	15.862	0.01258	Resident
R1758	489,515	3,627,362	14.637	0.01161	Resident
R1759	489,540	3,627,362	13.554	0.01075	Resident
R1760	489,565	3,627,362	12.592	0.00999	Resident
R1761	489,590	3,627,362	11.741	0.00931	Resident
R1762	489,615	3,627,362	10.987	0.00871	Resident
R1763	489,640	3,627,362	10.337	0.00820	Resident
R1764	489,665	3,627,362	9.710	0.00770	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1765	489,690	3,627,362	9.133	0.00724	Resident
R1766	489,715	3,627,362	8.607	0.00683	Resident
R1767	489,740	3,627,362	8.137	0.00645	Resident
R1768	487,815	3,627,337	2.057	0.00163	Resident
R1769	487,840	3,627,337	2.183	0.00173	Resident
R1770	487,865	3,627,337	2.314	0.00183	Resident
R1771	487,890	3,627,337	2.453	0.00195	Resident
R1772	487,915	3,627,337	2.612	0.00207	Resident
R1773	487,940	3,627,337	2.796	0.00222	Resident
R1774	487,965	3,627,337	3.059	0.00243	Resident
R1775	487,990	3,627,337	3.292	0.00261	Resident
R1776	488,015	3,627,337	0.448	0.00281	Worker
R1777	488,040	3,627,337	0.485	0.00304	Worker
R1778	488,065	3,627,337	0.526	0.00330	Worker
R1779	488,090	3,627,337	0.573	0.00359	Worker
R1780	488,115	3,627,337	0.630	0.00395	Worker
R1781	488,140	3,627,337	0.699	0.00438	Worker
R1782	488,165	3,627,337	0.781	0.00489	Worker
R1783	488,190	3,627,337	0.885	0.00555	Worker
R1784	488,215	3,627,337	1.025	0.00642	Worker
R1785	488,240	3,627,337	1.220	0.00764	Worker
R1786	488,265	3,627,337	1.519	0.00951	Worker
R1787	488,290	3,627,337	1.989	0.01246	Worker
R1788	489,265	3,627,337	6.172	0.03867	Worker
R1789	489,290	3,627,337	5.136	0.03218	Worker
R1790	489,315	3,627,337	34.544	0.02739	Resident
R1791	489,340	3,627,337	29.906	0.02372	Resident
R1792	489,365	3,627,337	26.376	0.02092	Resident
R1793	489,390	3,627,337	23.724	0.01881	Resident
R1794	489,415	3,627,337	21.465	0.01702	Resident
R1795	489,440	3,627,337	19.488	0.01545	Resident
R1796	489,465	3,627,337	17.812	0.01413	Resident
R1797	489,490	3,627,337	16.407	0.01301	Resident
R1798	489,515	3,627,337	15.152	0.01202	Resident
R1799	489,540	3,627,337	14.049	0.01114	Resident
R1800	489,565	3,627,337	13.057	0.01035	Resident
R1801	489,590	3,627,337	12.185	0.00966	Resident
R1802	489,615	3,627,337	11.389	0.00903	Resident
R1803	489,640	3,627,337	10.742	0.00852	Resident
R1804	489,665	3,627,337	10.073	0.00799	Resident
R1805	489,690	3,627,337	9.443	0.00749	Resident
R1806	489,715	3,627,337	8.911	0.00707	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1807	489,740	3,627,337	8.430	0.00669	Resident
R1808	487,815	3,627,312	2.124	0.00168	Resident
R1809	487,840	3,627,312	2.238	0.00178	Resident
R1810	487,865	3,627,312	2.370	0.00188	Resident
R1811	487,890	3,627,312	2.511	0.00199	Resident
R1812	487,915	3,627,312	2.682	0.00213	Resident
R1813	487,940	3,627,312	2.939	0.00233	Resident
R1814	487,965	3,627,312	3.138	0.00249	Resident
R1815	487,990	3,627,312	0.426	0.00267	Worker
R1816	488,015	3,627,312	0.458	0.00287	Worker
R1817	488,040	3,627,312	0.495	0.00310	Worker
R1818	488,065	3,627,312	0.537	0.00336	Worker
R1819	488,090	3,627,312	0.586	0.00367	Worker
R1820	488,115	3,627,312	0.644	0.00403	Worker
R1821	488,140	3,627,312	0.712	0.00446	Worker
R1822	488,165	3,627,312	0.793	0.00497	Worker
R1823	488,190	3,627,312	0.897	0.00562	Worker
R1824	488,215	3,627,312	1.034	0.00648	Worker
R1825	488,240	3,627,312	1.224	0.00767	Worker
R1826	488,265	3,627,312	1.516	0.00950	Worker
R1827	488,290	3,627,312	1.957	0.01226	Worker
R1828	489,265	3,627,312	6.496	0.04069	Worker
R1829	489,290	3,627,312	5.416	0.03393	Worker
R1830	489,315	3,627,312	4.559	0.02856	Worker
R1831	489,340	3,627,312	31.240	0.02477	Resident
R1832	489,365	3,627,312	27.297	0.02165	Resident
R1833	489,390	3,627,312	24.577	0.01949	Resident
R1834	489,415	3,627,312	22.198	0.01760	Resident
R1835	489,440	3,627,312	20.129	0.01596	Resident
R1836	489,465	3,627,312	18.407	0.01460	Resident
R1837	489,490	3,627,312	16.956	0.01345	Resident
R1838	489,515	3,627,312	15.665	0.01242	Resident
R1839	489,540	3,627,312	14.517	0.01151	Resident
R1840	489,565	3,627,312	13.496	0.01070	Resident
R1841	489,590	3,627,312	12.594	0.00999	Resident
R1842	489,615	3,627,312	11.773	0.00934	Resident
R1843	489,640	3,627,312	11.107	0.00881	Resident
R1844	489,665	3,627,312	10.413	0.00826	Resident
R1845	489,690	3,627,312	9.751	0.00773	Resident
R1846	489,715	3,627,312	9.211	0.00730	Resident
R1847	489,740	3,627,312	8.715	0.00691	Resident
R1848	487,815	3,627,287	2.184	0.00173	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1849	487,840	3,627,287	2.297	0.00182	Resident
R1850	487,865	3,627,287	2.428	0.00193	Resident
R1851	487,890	3,627,287	2.600	0.00206	Resident
R1852	487,915	3,627,287	2.814	0.00223	Resident
R1853	487,940	3,627,287	2.996	0.00238	Resident
R1854	487,965	3,627,287	0.405	0.00254	Worker
R1855	487,990	3,627,287	0.434	0.00272	Worker
R1856	488,015	3,627,287	0.467	0.00292	Worker
R1857	488,040	3,627,287	0.504	0.00316	Worker
R1858	488,065	3,627,287	0.547	0.00343	Worker
R1859	488,090	3,627,287	0.596	0.00373	Worker
R1860	488,115	3,627,287	0.654	0.00410	Worker
R1861	488,140	3,627,287	0.722	0.00452	Worker
R1862	488,165	3,627,287	0.804	0.00504	Worker
R1863	488,190	3,627,287	0.907	0.00568	Worker
R1864	488,215	3,627,287	1.041	0.00652	Worker
R1865	488,240	3,627,287	1.226	0.00768	Worker
R1866	488,265	3,627,287	1.503	0.00942	Worker
R1867	488,290	3,627,287	1.907	0.01195	Worker
R1868	489,265	3,627,287	6.811	0.04267	Worker
R1869	489,290	3,627,287	5.781	0.03622	Worker
R1870	489,315	3,627,287	4.745	0.02973	Worker
R1871	489,340	3,627,287	32.456	0.02574	Resident
R1872	489,365	3,627,287	28.124	0.02230	Resident
R1873	489,390	3,627,287	25.404	0.02015	Resident
R1874	489,415	3,627,287	22.867	0.01813	Resident
R1875	489,440	3,627,287	20.719	0.01643	Resident
R1876	489,465	3,627,287	18.952	0.01503	Resident
R1877	489,490	3,627,287	17.468	0.01385	Resident
R1878	489,515	3,627,287	16.130	0.01279	Resident
R1879	489,540	3,627,287	14.946	0.01185	Resident
R1880	489,565	3,627,287	13.890	0.01101	Resident
R1881	489,590	3,627,287	12.972	0.01029	Resident
R1882	489,615	3,627,287	12.128	0.00962	Resident
R1883	489,640	3,627,287	11.444	0.00908	Resident
R1884	489,665	3,627,287	10.735	0.00851	Resident
R1885	489,690	3,627,287	10.051	0.00797	Resident
R1886	489,715	3,627,287	9.498	0.00753	Resident
R1887	489,740	3,627,287	8.980	0.00712	Resident
R1888	487,815	3,627,262	2.272	0.00180	Resident
R1889	487,840	3,627,262	2.353	0.00187	Resident
R1890	487,865	3,627,262	2.531	0.00201	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1891	487,890	3,627,262	2.696	0.00214	Resident
R1892	487,915	3,627,262	2.865	0.00227	Resident
R1893	487,940	3,627,262	0.386	0.00242	Worker
R1894	487,965	3,627,262	0.411	0.00257	Worker
R1895	487,990	3,627,262	0.440	0.00276	Worker
R1896	488,015	3,627,262	0.475	0.00298	Worker
R1897	488,040	3,627,262	0.513	0.00321	Worker
R1898	488,065	3,627,262	0.556	0.00348	Worker
R1899	488,090	3,627,262	0.604	0.00379	Worker
R1900	488,115	3,627,262	0.661	0.00414	Worker
R1901	488,140	3,627,262	0.731	0.00458	Worker
R1902	488,165	3,627,262	0.811	0.00508	Worker
R1903	488,190	3,627,262	0.914	0.00573	Worker
R1904	488,215	3,627,262	1.046	0.00655	Worker
R1905	488,240	3,627,262	1.225	0.00767	Worker
R1906	488,265	3,627,262	1.488	0.00932	Worker
R1907	488,290	3,627,262	1.887	0.01182	Worker
R1908	489,265	3,627,262	7.050	0.04417	Worker
R1909	489,290	3,627,262	6.045	0.03787	Worker
R1910	489,315	3,627,262	4.931	0.03089	Worker
R1911	489,340	3,627,262	33.623	0.02666	Resident
R1912	489,365	3,627,262	29.213	0.02317	Resident
R1913	489,390	3,627,262	26.016	0.02063	Resident
R1914	489,415	3,627,262	23.445	0.01859	Resident
R1915	489,440	3,627,262	21.250	0.01685	Resident
R1916	489,465	3,627,262	19.443	0.01542	Resident
R1917	489,490	3,627,262	17.916	0.01421	Resident
R1918	489,515	3,627,262	16.551	0.01312	Resident
R1919	489,540	3,627,262	15.337	0.01216	Resident
R1920	489,565	3,627,262	14.261	0.01131	Resident
R1921	489,590	3,627,262	13.318	0.01056	Resident
R1922	489,615	3,627,262	12.462	0.00988	Resident
R1923	489,640	3,627,262	11.761	0.00933	Resident
R1924	489,665	3,627,262	11.034	0.00875	Resident
R1925	489,690	3,627,262	10.329	0.00819	Resident
R1926	489,715	3,627,262	9.764	0.00774	Resident
R1927	489,740	3,627,262	9.236	0.00732	Resident
R1928	489,765	3,627,262	8.752	0.00694	Resident
R1929	487,815	3,627,237	2.321	0.00184	Resident
R1930	487,840	3,627,237	2.445	0.00194	Resident
R1931	487,865	3,627,237	2.586	0.00205	Resident
R1932	487,890	3,627,237	2.742	0.00217	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1933	487,915	3,627,237	0.369	0.00231	Worker
R1934	487,940	3,627,237	0.391	0.00245	Worker
R1935	487,965	3,627,237	0.418	0.00262	Worker
R1936	487,990	3,627,237	0.447	0.00280	Worker
R1937	488,015	3,627,237	0.481	0.00301	Worker
R1938	488,040	3,627,237	0.520	0.00326	Worker
R1939	488,065	3,627,237	0.562	0.00352	Worker
R1940	488,090	3,627,237	0.612	0.00383	Worker
R1941	488,115	3,627,237	0.668	0.00419	Worker
R1942	488,140	3,627,237	0.735	0.00461	Worker
R1943	488,165	3,627,237	0.818	0.00512	Worker
R1944	488,190	3,627,237	0.922	0.00578	Worker
R1945	488,215	3,627,237	1.051	0.00658	Worker
R1946	488,240	3,627,237	1.223	0.00766	Worker
R1947	488,265	3,627,237	1.471	0.00922	Worker
R1948	488,290	3,627,237	1.866	0.01169	Worker
R1949	489,265	3,627,237	7.355	0.04608	Worker
R1950	489,290	3,627,237	6.031	0.03778	Worker
R1951	489,315	3,627,237	5.107	0.03199	Worker
R1952	489,340	3,627,237	34.707	0.02752	Resident
R1953	489,365	3,627,237	30.318	0.02404	Resident
R1954	489,390	3,627,237	26.567	0.02107	Resident
R1955	489,415	3,627,237	23.868	0.01893	Resident
R1956	489,440	3,627,237	21.658	0.01718	Resident
R1957	489,465	3,627,237	19.896	0.01578	Resident
R1958	489,490	3,627,237	18.315	0.01452	Resident
R1959	489,515	3,627,237	16.912	0.01341	Resident
R1960	489,540	3,627,237	15.685	0.01244	Resident
R1961	489,565	3,627,237	14.596	0.01157	Resident
R1962	489,590	3,627,237	13.631	0.01081	Resident
R1963	489,615	3,627,237	12.757	0.01012	Resident
R1964	489,640	3,627,237	12.034	0.00954	Resident
R1965	489,665	3,627,237	11.307	0.00897	Resident
R1966	489,690	3,627,237	10.584	0.00839	Resident
R1967	489,715	3,627,237	10.004	0.00793	Resident
R1968	489,740	3,627,237	9.469	0.00751	Resident
R1969	489,765	3,627,237	8.975	0.00712	Resident
R1970	487,815	3,627,212	2.351	0.00186	Resident
R1971	487,840	3,627,212	2.483	0.00197	Resident
R1972	487,865	3,627,212	0.333	0.00208	Worker
R1973	487,890	3,627,212	0.352	0.00221	Worker
R1974	487,915	3,627,212	0.374	0.00234	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R1975	487,940	3,627,212	0.398	0.00249	Worker
R1976	487,965	3,627,212	0.424	0.00266	Worker
R1977	487,990	3,627,212	0.454	0.00284	Worker
R1978	488,015	3,627,212	0.487	0.00305	Worker
R1979	488,040	3,627,212	0.525	0.00329	Worker
R1980	488,065	3,627,212	0.570	0.00357	Worker
R1981	488,090	3,627,212	0.619	0.00388	Worker
R1982	488,115	3,627,212	0.675	0.00423	Worker
R1983	488,140	3,627,212	0.741	0.00464	Worker
R1984	488,165	3,627,212	0.822	0.00515	Worker
R1985	488,190	3,627,212	0.928	0.00582	Worker
R1986	488,215	3,627,212	1.057	0.00662	Worker
R1987	488,240	3,627,212	1.222	0.00766	Worker
R1988	488,265	3,627,212	1.455	0.00912	Worker
R1989	488,290	3,627,212	1.838	0.01151	Worker
R1990	489,290	3,627,212	6.258	0.03921	Worker
R1991	489,315	3,627,212	5.145	0.03223	Worker
R1992	489,340	3,627,212	4.454	0.02791	Worker
R1993	489,365	3,627,212	30.488	0.02418	Resident
R1994	489,390	3,627,212	27.104	0.02149	Resident
R1995	489,415	3,627,212	24.319	0.01929	Resident
R1996	489,440	3,627,212	22.115	0.01754	Resident
R1997	489,465	3,627,212	20.285	0.01609	Resident
R1998	489,490	3,627,212	18.652	0.01479	Resident
R1999	489,515	3,627,212	17.230	0.01366	Resident
R2000	489,540	3,627,212	15.976	0.01267	Resident
R2001	489,565	3,627,212	14.868	0.01179	Resident
R2002	489,590	3,627,212	13.905	0.01103	Resident
R2003	489,615	3,627,212	13.024	0.01033	Resident
R2004	489,640	3,627,212	12.290	0.00975	Resident
R2005	489,665	3,627,212	11.552	0.00916	Resident
R2006	489,690	3,627,212	10.810	0.00857	Resident
R2007	489,715	3,627,212	10.225	0.00811	Resident
R2008	489,740	3,627,212	9.682	0.00768	Resident
R2009	489,765	3,627,212	9.181	0.00728	Resident
R2010	489,790	3,627,212	8.720	0.00691	Resident
R2011	487,815	3,627,187	2.386	0.00189	Resident
R2012	487,840	3,627,187	0.319	0.00200	Worker
R2013	487,865	3,627,187	0.337	0.00211	Worker
R2014	487,890	3,627,187	0.357	0.00224	Worker
R2015	487,915	3,627,187	0.379	0.00238	Worker
R2016	487,940	3,627,187	0.404	0.00253	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2017	487,965	3,627,187	0.431	0.00270	Worker
R2018	487,990	3,627,187	0.461	0.00289	Worker
R2019	488,015	3,627,187	0.494	0.00309	Worker
R2020	488,040	3,627,187	0.532	0.00333	Worker
R2021	488,065	3,627,187	0.576	0.00361	Worker
R2022	488,090	3,627,187	0.626	0.00392	Worker
R2023	488,115	3,627,187	0.682	0.00427	Worker
R2024	488,140	3,627,187	0.747	0.00468	Worker
R2025	488,165	3,627,187	0.825	0.00517	Worker
R2026	488,190	3,627,187	0.928	0.00582	Worker
R2027	488,215	3,627,187	1.056	0.00662	Worker
R2028	488,240	3,627,187	1.210	0.00758	Worker
R2029	488,265	3,627,187	1.438	0.00901	Worker
R2030	488,290	3,627,187	1.814	0.01136	Worker
R2031	489,290	3,627,187	6.511	0.04079	Worker
R2032	489,315	3,627,187	5.210	0.03264	Worker
R2033	489,340	3,627,187	4.426	0.02773	Worker
R2034	489,365	3,627,187	30.591	0.02426	Resident
R2035	489,390	3,627,187	27.423	0.02175	Resident
R2036	489,415	3,627,187	24.671	0.01956	Resident
R2037	489,440	3,627,187	22.504	0.01785	Resident
R2038	489,465	3,627,187	20.583	0.01632	Resident
R2039	489,490	3,627,187	18.913	0.01500	Resident
R2040	489,515	3,627,187	17.482	0.01386	Resident
R2041	489,540	3,627,187	16.199	0.01285	Resident
R2042	489,565	3,627,187	15.101	0.01198	Resident
R2043	489,590	3,627,187	14.126	0.01120	Resident
R2044	489,615	3,627,187	13.245	0.01050	Resident
R2045	489,640	3,627,187	12.514	0.00992	Resident
R2046	489,665	3,627,187	11.766	0.00933	Resident
R2047	489,690	3,627,187	11.035	0.00875	Resident
R2048	489,715	3,627,187	10.415	0.00826	Resident
R2049	489,740	3,627,187	9.860	0.00782	Resident
R2050	489,765	3,627,187	9.355	0.00742	Resident
R2051	489,790	3,627,187	8.899	0.00706	Resident
R2052	487,815	3,627,162	0.306	0.00192	Worker
R2053	487,840	3,627,162	0.323	0.00202	Worker
R2054	487,865	3,627,162	0.341	0.00214	Worker
R2055	487,890	3,627,162	0.362	0.00227	Worker
R2056	487,915	3,627,162	0.384	0.00241	Worker
R2057	487,940	3,627,162	0.409	0.00256	Worker
R2058	487,965	3,627,162	0.436	0.00273	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2059	487,990	3,627,162	0.467	0.00292	Worker
R2060	488,015	3,627,162	0.501	0.00314	Worker
R2061	488,040	3,627,162	0.539	0.00338	Worker
R2062	488,065	3,627,162	0.582	0.00365	Worker
R2063	488,090	3,627,162	0.631	0.00395	Worker
R2064	488,115	3,627,162	0.687	0.00431	Worker
R2065	488,140	3,627,162	0.753	0.00472	Worker
R2066	488,165	3,627,162	0.830	0.00520	Worker
R2067	488,190	3,627,162	0.925	0.00580	Worker
R2068	488,215	3,627,162	1.042	0.00653	Worker
R2069	488,240	3,627,162	1.197	0.00750	Worker
R2070	488,265	3,627,162	1.413	0.00885	Worker
R2071	488,290	3,627,162	1.757	0.01100	Worker
R2072	488,315	3,627,162	2.338	0.01465	Worker
R2073	489,290	3,627,162	6.711	0.04204	Worker
R2074	489,315	3,627,162	5.362	0.03359	Worker
R2075	489,340	3,627,162	4.484	0.02809	Worker
R2076	489,365	3,627,162	30.953	0.02455	Resident
R2077	489,390	3,627,162	27.530	0.02183	Resident
R2078	489,415	3,627,162	24.967	0.01980	Resident
R2079	489,440	3,627,162	22.718	0.01802	Resident
R2080	489,465	3,627,162	20.756	0.01646	Resident
R2081	489,490	3,627,162	19.100	0.01515	Resident
R2082	489,515	3,627,162	17.660	0.01400	Resident
R2083	489,540	3,627,162	16.371	0.01298	Resident
R2084	489,565	3,627,162	15.284	0.01212	Resident
R2085	489,590	3,627,162	14.302	0.01134	Resident
R2086	489,615	3,627,162	13.419	0.01064	Resident
R2087	489,640	3,627,162	12.688	0.01006	Resident
R2088	489,665	3,627,162	11.942	0.00947	Resident
R2089	489,690	3,627,162	11.221	0.00890	Resident
R2090	489,715	3,627,162	10.598	0.00840	Resident
R2091	489,740	3,627,162	10.040	0.00796	Resident
R2092	489,765	3,627,162	9.530	0.00756	Resident
R2093	489,790	3,627,162	9.064	0.00719	Resident
R2094	487,790	3,627,137	0.294	0.00184	Worker
R2095	487,815	3,627,137	0.309	0.00193	Worker
R2096	487,840	3,627,137	0.326	0.00204	Worker
R2097	487,865	3,627,137	0.346	0.00216	Worker
R2098	487,890	3,627,137	0.366	0.00229	Worker
R2099	487,915	3,627,137	0.389	0.00244	Worker
R2100	487,940	3,627,137	0.414	0.00259	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2101	487,965	3,627,137	0.442	0.00277	Worker
R2102	487,990	3,627,137	0.472	0.00296	Worker
R2103	488,015	3,627,137	0.506	0.00317	Worker
R2104	488,040	3,627,137	0.545	0.00341	Worker
R2105	488,065	3,627,137	0.588	0.00368	Worker
R2106	488,090	3,627,137	0.637	0.00399	Worker
R2107	488,115	3,627,137	0.693	0.00434	Worker
R2108	488,140	3,627,137	0.758	0.00475	Worker
R2109	488,165	3,627,137	0.836	0.00524	Worker
R2110	488,190	3,627,137	0.931	0.00583	Worker
R2111	488,215	3,627,137	1.049	0.00657	Worker
R2112	488,240	3,627,137	1.203	0.00754	Worker
R2113	488,265	3,627,137	1.416	0.00887	Worker
R2114	488,290	3,627,137	1.741	0.01091	Worker
R2115	488,315	3,627,137	2.303	0.01443	Worker
R2116	489,290	3,627,137	6.855	0.04294	Worker
R2117	489,315	3,627,137	5.451	0.03415	Worker
R2118	489,340	3,627,137	4.516	0.02829	Worker
R2119	489,365	3,627,137	3.930	0.02462	Worker
R2120	489,390	3,627,137	27.604	0.02189	Resident
R2121	489,415	3,627,137	25.017	0.01984	Resident
R2122	489,440	3,627,137	22.789	0.01807	Resident
R2123	489,465	3,627,137	20.833	0.01652	Resident
R2124	489,490	3,627,137	19.192	0.01522	Resident
R2125	489,515	3,627,137	17.747	0.01407	Resident
R2126	489,540	3,627,137	16.473	0.01306	Resident
R2127	489,565	3,627,137	15.394	0.01221	Resident
R2128	489,590	3,627,137	14.417	0.01143	Resident
R2129	489,615	3,627,137	13.536	0.01073	Resident
R2130	489,640	3,627,137	12.787	0.01014	Resident
R2131	489,665	3,627,137	12.072	0.00957	Resident
R2132	489,690	3,627,137	11.386	0.00903	Resident
R2133	489,715	3,627,137	10.767	0.00854	Resident
R2134	489,740	3,627,137	10.214	0.00810	Resident
R2135	489,765	3,627,137	9.696	0.00769	Resident
R2136	489,790	3,627,137	9.226	0.00732	Resident
R2137	487,765	3,627,112	0.283	0.00177	Worker
R2138	487,790	3,627,112	0.297	0.00186	Worker
R2139	487,815	3,627,112	0.313	0.00196	Worker
R2140	487,840	3,627,112	0.330	0.00207	Worker
R2141	487,865	3,627,112	0.349	0.00219	Worker
R2142	487,890	3,627,112	0.370	0.00232	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2143	487,915	3,627,112	0.393	0.00246	Worker
R2144	487,940	3,627,112	0.419	0.00262	Worker
R2145	487,965	3,627,112	0.447	0.00280	Worker
R2146	487,990	3,627,112	0.477	0.00299	Worker
R2147	488,015	3,627,112	0.512	0.00321	Worker
R2148	488,040	3,627,112	0.550	0.00345	Worker
R2149	488,065	3,627,112	0.594	0.00372	Worker
R2150	488,090	3,627,112	0.643	0.00403	Worker
R2151	488,115	3,627,112	0.700	0.00438	Worker
R2152	488,140	3,627,112	0.765	0.00479	Worker
R2153	488,165	3,627,112	0.843	0.00528	Worker
R2154	488,190	3,627,112	0.939	0.00588	Worker
R2155	488,215	3,627,112	1.059	0.00664	Worker
R2156	488,240	3,627,112	1.212	0.00760	Worker
R2157	488,265	3,627,112	1.421	0.00890	Worker
R2158	488,290	3,627,112	1.737	0.01088	Worker
R2159	488,315	3,627,112	2.276	0.01426	Worker
R2160	489,290	3,627,112	6.876	0.04308	Worker
R2161	489,315	3,627,112	5.502	0.03447	Worker
R2162	489,340	3,627,112	4.503	0.02821	Worker
R2163	489,365	3,627,112	3.900	0.02443	Worker
R2164	489,390	3,627,112	27.372	0.02171	Resident
R2165	489,415	3,627,112	24.795	0.01966	Resident
R2166	489,440	3,627,112	22.672	0.01798	Resident
R2167	489,465	3,627,112	20.778	0.01648	Resident
R2168	489,490	3,627,112	19.161	0.01520	Resident
R2169	489,515	3,627,112	17.744	0.01407	Resident
R2170	489,540	3,627,112	16.476	0.01307	Resident
R2171	489,565	3,627,112	15.413	0.01222	Resident
R2172	489,590	3,627,112	14.457	0.01146	Resident
R2173	489,615	3,627,112	13.595	0.01078	Resident
R2174	489,640	3,627,112	12.860	0.01020	Resident
R2175	489,665	3,627,112	12.146	0.00963	Resident
R2176	489,690	3,627,112	11.477	0.00910	Resident
R2177	489,715	3,627,112	10.867	0.00862	Resident
R2178	489,740	3,627,112	10.326	0.00819	Resident
R2179	489,765	3,627,112	9.807	0.00778	Resident
R2180	489,790	3,627,112	9.335	0.00740	Resident
R2181	487,740	3,627,087	0.272	0.00170	Worker
R2182	487,765	3,627,087	0.285	0.00179	Worker
R2183	487,790	3,627,087	0.300	0.00188	Worker
R2184	487,815	3,627,087	0.316	0.00198	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2185	487,840	3,627,087	0.334	0.00209	Worker
R2186	487,865	3,627,087	0.353	0.00221	Worker
R2187	487,890	3,627,087	0.374	0.00234	Worker
R2188	487,915	3,627,087	0.397	0.00249	Worker
R2189	487,940	3,627,087	0.423	0.00265	Worker
R2190	487,965	3,627,087	0.451	0.00283	Worker
R2191	487,990	3,627,087	0.482	0.00302	Worker
R2192	488,015	3,627,087	0.517	0.00324	Worker
R2193	488,040	3,627,087	0.556	0.00348	Worker
R2194	488,065	3,627,087	0.600	0.00376	Worker
R2195	488,090	3,627,087	0.650	0.00407	Worker
R2196	488,115	3,627,087	0.707	0.00443	Worker
R2197	488,140	3,627,087	0.774	0.00485	Worker
R2198	488,165	3,627,087	0.852	0.00534	Worker
R2199	488,190	3,627,087	0.951	0.00596	Worker
R2200	488,215	3,627,087	1.073	0.00672	Worker
R2201	488,240	3,627,087	1.227	0.00768	Worker
R2202	488,265	3,627,087	1.435	0.00899	Worker
R2203	488,290	3,627,087	1.746	0.01094	Worker
R2204	488,315	3,627,087	2.273	0.01424	Worker
R2205	489,315	3,627,087	5.506	0.03449	Worker
R2206	489,340	3,627,087	4.466	0.02798	Worker
R2207	489,365	3,627,087	3.839	0.02405	Worker
R2208	489,390	3,627,087	26.935	0.02136	Resident
R2209	489,415	3,627,087	24.307	0.01928	Resident
R2210	489,440	3,627,087	22.224	0.01762	Resident
R2211	489,465	3,627,087	20.461	0.01623	Resident
R2212	489,490	3,627,087	18.953	0.01503	Resident
R2213	489,515	3,627,087	17.602	0.01396	Resident
R2214	489,540	3,627,087	16.397	0.01300	Resident
R2215	489,565	3,627,087	15.364	0.01218	Resident
R2216	489,590	3,627,087	14.430	0.01144	Resident
R2217	489,615	3,627,087	13.605	0.01079	Resident
R2218	489,640	3,627,087	1.630	0.01021	Worker
R2219	489,665	3,627,087	12.178	0.00966	Resident
R2220	489,690	3,627,087	11.535	0.00915	Resident
R2221	489,715	3,627,087	10.930	0.00867	Resident
R2222	489,740	3,627,087	10.393	0.00824	Resident
R2223	489,765	3,627,087	9.884	0.00784	Resident
R2224	489,790	3,627,087	9.423	0.00747	Resident
R2225	487,715	3,627,062	0.261	0.00164	Worker
R2226	487,740	3,627,062	0.274	0.00172	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2227	487,765	3,627,062	0.288	0.00180	Worker
R2228	487,790	3,627,062	0.303	0.00190	Worker
R2229	487,815	3,627,062	0.319	0.00200	Worker
R2230	487,840	3,627,062	0.336	0.00211	Worker
R2231	487,865	3,627,062	0.356	0.00223	Worker
R2232	487,890	3,627,062	0.377	0.00236	Worker
R2233	487,915	3,627,062	0.401	0.00251	Worker
R2234	487,940	3,627,062	0.427	0.00267	Worker
R2235	487,965	3,627,062	0.455	0.00285	Worker
R2236	487,990	3,627,062	0.487	0.00305	Worker
R2237	488,015	3,627,062	0.522	0.00327	Worker
R2238	488,040	3,627,062	0.561	0.00352	Worker
R2239	488,065	3,627,062	0.606	0.00380	Worker
R2240	488,090	3,627,062	0.658	0.00412	Worker
R2241	488,115	3,627,062	0.717	0.00449	Worker
R2242	488,140	3,627,062	0.785	0.00492	Worker
R2243	488,165	3,627,062	0.866	0.00543	Worker
R2244	488,190	3,627,062	0.968	0.00607	Worker
R2245	488,215	3,627,062	1.093	0.00684	Worker
R2246	488,240	3,627,062	1.252	0.00784	Worker
R2247	488,265	3,627,062	1.466	0.00918	Worker
R2248	488,290	3,627,062	1.782	0.01116	Worker
R2249	488,315	3,627,062	2.300	0.01441	Worker
R2250	489,315	3,627,062	5.159	0.03232	Worker
R2251	489,340	3,627,062	4.239	0.02656	Worker
R2252	489,365	3,627,062	3.679	0.02305	Worker
R2253	489,390	3,627,062	3.289	0.02061	Worker
R2254	489,415	3,627,062	2.984	0.01869	Worker
R2255	489,440	3,627,062	2.739	0.01716	Worker
R2256	489,465	3,627,062	20.019	0.01588	Resident
R2257	489,490	3,627,062	2.364	0.01481	Worker
R2258	489,515	3,627,062	2.201	0.01379	Worker
R2259	489,540	3,627,062	2.058	0.01289	Worker
R2260	489,565	3,627,062	1.932	0.01210	Worker
R2261	489,590	3,627,062	1.820	0.01140	Worker
R2262	489,615	3,627,062	1.716	0.01075	Worker
R2263	489,640	3,627,062	1.625	0.01018	Worker
R2264	489,665	3,627,062	12.157	0.00964	Resident
R2265	489,690	3,627,062	11.544	0.00915	Resident
R2266	489,715	3,627,062	10.954	0.00869	Resident
R2267	489,740	3,627,062	10.428	0.00827	Resident
R2268	489,765	3,627,062	9.931	0.00788	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2269	489,790	3,627,062	9.472	0.00751	Resident
R2270	487,690	3,627,037	0.252	0.00158	Worker
R2271	487,715	3,627,037	0.264	0.00165	Worker
R2272	487,740	3,627,037	0.276	0.00173	Worker
R2273	487,765	3,627,037	0.290	0.00182	Worker
R2274	487,790	3,627,037	0.305	0.00191	Worker
R2275	487,815	3,627,037	0.321	0.00201	Worker
R2276	487,840	3,627,037	0.339	0.00212	Worker
R2277	487,865	3,627,037	0.359	0.00225	Worker
R2278	487,890	3,627,037	0.380	0.00238	Worker
R2279	487,915	3,627,037	0.404	0.00253	Worker
R2280	487,940	3,627,037	0.430	0.00270	Worker
R2281	487,965	3,627,037	0.459	0.00288	Worker
R2282	487,990	3,627,037	0.491	0.00308	Worker
R2283	488,015	3,627,037	0.527	0.00330	Worker
R2284	488,040	3,627,037	0.567	0.00356	Worker
R2285	488,065	3,627,037	0.613	0.00384	Worker
R2286	488,090	3,627,037	0.666	0.00418	Worker
R2287	488,115	3,627,037	0.728	0.00456	Worker
R2288	488,140	3,627,037	0.800	0.00501	Worker
R2289	488,165	3,627,037	0.885	0.00555	Worker
R2290	488,190	3,627,037	0.992	0.00621	Worker
R2291	488,215	3,627,037	1.123	0.00704	Worker
R2292	488,240	3,627,037	1.294	0.00810	Worker
R2293	488,265	3,627,037	1.525	0.00955	Worker
R2294	488,290	3,627,037	1.864	0.01168	Worker
R2295	488,315	3,627,037	2.412	0.01511	Worker
R2296	489,340	3,627,037	3.804	0.02383	Worker
R2297	489,365	3,627,037	3.403	0.02132	Worker
R2298	489,390	3,627,037	3.095	0.01939	Worker
R2299	489,415	3,627,037	2.840	0.01779	Worker
R2300	489,440	3,627,037	2.619	0.01641	Worker
R2301	489,465	3,627,037	2.432	0.01524	Worker
R2302	489,490	3,627,037	2.275	0.01425	Worker
R2303	489,515	3,627,037	2.142	0.01342	Worker
R2304	489,540	3,627,037	2.010	0.01259	Worker
R2305	489,565	3,627,037	1.896	0.01188	Worker
R2306	489,590	3,627,037	1.792	0.01123	Worker
R2307	489,615	3,627,037	1.698	0.01064	Worker
R2308	489,640	3,627,037	1.612	0.01010	Worker
R2309	489,665	3,627,037	12.070	0.00957	Resident
R2310	489,690	3,627,037	11.471	0.00910	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2311	489,715	3,627,037	10.910	0.00865	Resident
R2312	489,740	3,627,037	10.396	0.00824	Resident
R2313	489,765	3,627,037	9.913	0.00786	Resident
R2314	489,790	3,627,037	9.458	0.00750	Resident
R2315	487,665	3,627,012	0.242	0.00152	Worker
R2316	487,690	3,627,012	0.253	0.00159	Worker
R2317	487,715	3,627,012	0.265	0.00166	Worker
R2318	487,740	3,627,012	0.278	0.00174	Worker
R2319	487,765	3,627,012	0.292	0.00183	Worker
R2320	487,790	3,627,012	0.307	0.00192	Worker
R2321	487,815	3,627,012	0.323	0.00203	Worker
R2322	487,840	3,627,012	0.341	0.00214	Worker
R2323	487,865	3,627,012	0.361	0.00226	Worker
R2324	487,890	3,627,012	0.383	0.00240	Worker
R2325	487,915	3,627,012	0.407	0.00255	Worker
R2326	487,940	3,627,012	0.434	0.00272	Worker
R2327	487,965	3,627,012	0.463	0.00290	Worker
R2328	487,990	3,627,012	0.496	0.00311	Worker
R2329	488,015	3,627,012	0.533	0.00334	Worker
R2330	488,040	3,627,012	0.574	0.00360	Worker
R2331	488,065	3,627,012	0.622	0.00389	Worker
R2332	488,090	3,627,012	0.677	0.00424	Worker
R2333	488,115	3,627,012	0.741	0.00464	Worker
R2334	488,140	3,627,012	0.816	0.00511	Worker
R2335	488,165	3,627,012	0.909	0.00569	Worker
R2336	488,190	3,627,012	1.024	0.00642	Worker
R2337	488,215	3,627,012	1.169	0.00732	Worker
R2338	488,240	3,627,012	1.361	0.00852	Worker
R2339	488,265	3,627,012	1.631	0.01022	Worker
R2340	488,290	3,627,012	2.034	0.01274	Worker
R2341	488,315	3,627,012	2.725	0.01707	Worker
R2342	489,340	3,627,012	3.406	0.02134	Worker
R2343	489,365	3,627,012	3.144	0.01970	Worker
R2344	489,390	3,627,012	2.905	0.01820	Worker
R2345	489,415	3,627,012	2.692	0.01686	Worker
R2346	489,440	3,627,012	2.508	0.01571	Worker
R2347	489,465	3,627,012	2.352	0.01473	Worker
R2348	489,490	3,627,012	2.205	0.01382	Worker
R2349	489,515	3,627,012	2.074	0.01299	Worker
R2350	489,540	3,627,012	1.956	0.01225	Worker
R2351	489,565	3,627,012	1.858	0.01164	Worker
R2352	489,590	3,627,012	1.762	0.01104	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2353	489,615	3,627,012	1.671	0.01047	Worker
R2354	489,640	3,627,012	1.588	0.00995	Worker
R2355	489,665	3,627,012	1.510	0.00946	Worker
R2356	489,690	3,627,012	1.438	0.00901	Worker
R2357	489,715	3,627,012	1.363	0.00854	Worker
R2358	489,740	3,627,012	1.298	0.00813	Worker
R2359	489,765	3,627,012	1.239	0.00776	Worker
R2360	489,790	3,627,012	1.186	0.00743	Worker
R2361	487,640	3,626,987	0.233	0.00146	Worker
R2362	487,665	3,626,987	0.244	0.00153	Worker
R2363	487,690	3,626,987	0.255	0.00160	Worker
R2364	487,715	3,626,987	0.267	0.00167	Worker
R2365	487,740	3,626,987	0.280	0.00175	Worker
R2366	487,765	3,626,987	0.294	0.00184	Worker
R2367	487,790	3,626,987	0.309	0.00193	Worker
R2368	487,815	3,626,987	0.325	0.00204	Worker
R2369	487,840	3,626,987	0.343	0.00215	Worker
R2370	487,865	3,626,987	0.363	0.00228	Worker
R2371	487,890	3,626,987	0.386	0.00242	Worker
R2372	487,915	3,626,987	0.410	0.00257	Worker
R2373	487,940	3,626,987	0.437	0.00274	Worker
R2374	487,965	3,626,987	0.467	0.00292	Worker
R2375	487,990	3,626,987	0.501	0.00314	Worker
R2376	488,015	3,626,987	0.539	0.00338	Worker
R2377	488,040	3,626,987	0.582	0.00365	Worker
R2378	488,065	3,626,987	0.632	0.00396	Worker
R2379	488,090	3,626,987	0.689	0.00432	Worker
R2380	488,115	3,626,987	0.757	0.00474	Worker
R2381	488,140	3,626,987	0.840	0.00526	Worker
R2382	488,165	3,626,987	0.942	0.00590	Worker
R2383	488,190	3,626,987	1.069	0.00670	Worker
R2384	488,215	3,626,987	1.235	0.00774	Worker
R2385	488,240	3,626,987	1.467	0.00919	Worker
R2386	488,265	3,626,987	1.816	0.01138	Worker
R2387	488,290	3,626,987	2.416	0.01513	Worker
R2388	489,090	3,626,987	4.537	0.02842	Worker
R2389	489,115	3,626,987	4.343	0.02721	Worker
R2390	489,140	3,626,987	4.179	0.02618	Worker
R2391	489,165	3,626,987	4.024	0.02521	Worker
R2392	489,190	3,626,987	3.895	0.02440	Worker
R2393	489,215	3,626,987	3.771	0.02362	Worker
R2394	489,340	3,626,987	3.070	0.01923	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2395	489,365	3,626,987	2.906	0.01821	Worker
R2396	489,390	3,626,987	2.737	0.01715	Worker
R2397	489,415	3,626,987	2.575	0.01613	Worker
R2398	489,440	3,626,987	2.422	0.01518	Worker
R2399	489,465	3,626,987	2.288	0.01433	Worker
R2400	489,490	3,626,987	2.146	0.01344	Worker
R2401	489,515	3,626,987	2.017	0.01264	Worker
R2402	489,540	3,626,987	1.904	0.01193	Worker
R2403	489,565	3,626,987	1.811	0.01134	Worker
R2404	489,590	3,626,987	1.720	0.01077	Worker
R2405	489,615	3,626,987	1.643	0.01029	Worker
R2406	489,640	3,626,987	1.563	0.00979	Worker
R2407	489,665	3,626,987	1.488	0.00932	Worker
R2408	489,690	3,626,987	1.413	0.00885	Worker
R2409	489,715	3,626,987	1.352	0.00847	Worker
R2410	489,740	3,626,987	1.289	0.00808	Worker
R2411	489,765	3,626,987	1.234	0.00773	Worker
R2412	489,790	3,626,987	1.182	0.00740	Worker
R2413	487,640	3,626,962	0.235	0.00147	Worker
R2414	487,665	3,626,962	0.245	0.00153	Worker
R2415	487,690	3,626,962	0.256	0.00160	Worker
R2416	487,715	3,626,962	0.268	0.00168	Worker
R2417	487,740	3,626,962	0.281	0.00176	Worker
R2418	487,765	3,626,962	0.295	0.00185	Worker
R2419	487,790	3,626,962	0.310	0.00194	Worker
R2420	487,815	3,626,962	0.327	0.00205	Worker
R2421	487,840	3,626,962	0.345	0.00216	Worker
R2422	487,865	3,626,962	0.365	0.00229	Worker
R2423	487,890	3,626,962	0.388	0.00243	Worker
R2424	487,915	3,626,962	0.412	0.00258	Worker
R2425	487,940	3,626,962	0.440	0.00276	Worker
R2426	487,965	3,626,962	0.471	0.00295	Worker
R2427	487,990	3,626,962	0.506	0.00317	Worker
R2428	488,015	3,626,962	0.545	0.00342	Worker
R2429	488,040	3,626,962	0.591	0.00370	Worker
R2430	488,065	3,626,962	0.644	0.00404	Worker
R2431	488,090	3,626,962	0.705	0.00442	Worker
R2432	488,115	3,626,962	0.781	0.00489	Worker
R2433	488,140	3,626,962	0.872	0.00546	Worker
R2434	488,165	3,626,962	0.985	0.00617	Worker
R2435	488,190	3,626,962	1.130	0.00708	Worker
R2436	488,215	3,626,962	1.332	0.00834	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2437	488,240	3,626,962	1.631	0.01022	Worker
R2438	488,265	3,626,962	2.162	0.01354	Worker
R2439	489,090	3,626,962	3.880	0.02431	Worker
R2440	489,115	3,626,962	3.745	0.02346	Worker
R2441	489,140	3,626,962	3.618	0.02266	Worker
R2442	489,165	3,626,962	3.503	0.02194	Worker
R2443	489,190	3,626,962	3.402	0.02132	Worker
R2444	489,215	3,626,962	3.309	0.02073	Worker
R2445	489,240	3,626,962	3.242	0.02031	Worker
R2446	489,265	3,626,962	3.172	0.01987	Worker
R2447	489,290	3,626,962	3.110	0.01948	Worker
R2448	489,315	3,626,962	3.007	0.01884	Worker
R2449	489,340	3,626,962	2.871	0.01799	Worker
R2450	489,365	3,626,962	2.721	0.01705	Worker
R2451	489,390	3,626,962	2.593	0.01624	Worker
R2452	489,415	3,626,962	2.504	0.01569	Worker
R2453	489,440	3,626,962	2.375	0.01488	Worker
R2454	489,465	3,626,962	2.208	0.01383	Worker
R2455	489,490	3,626,962	2.076	0.01300	Worker
R2456	489,515	3,626,962	1.969	0.01234	Worker
R2457	489,540	3,626,962	1.869	0.01171	Worker
R2458	489,565	3,626,962	1.761	0.01103	Worker
R2459	489,590	3,626,962	1.678	0.01051	Worker
R2460	489,615	3,626,962	1.601	0.01003	Worker
R2461	489,640	3,626,962	1.531	0.00959	Worker
R2462	489,665	3,626,962	1.463	0.00917	Worker
R2463	489,690	3,626,962	1.394	0.00874	Worker
R2464	489,715	3,626,962	1.334	0.00836	Worker
R2465	489,740	3,626,962	1.276	0.00800	Worker
R2466	489,765	3,626,962	1.223	0.00766	Worker
R2467	489,790	3,626,962	1.174	0.00736	Worker
R2468	487,615	3,626,937	0.226	0.00142	Worker
R2469	487,640	3,626,937	0.236	0.00148	Worker
R2470	487,665	3,626,937	0.246	0.00154	Worker
R2471	487,690	3,626,937	0.257	0.00161	Worker
R2472	487,715	3,626,937	0.269	0.00169	Worker
R2473	487,740	3,626,937	0.282	0.00177	Worker
R2474	487,765	3,626,937	0.296	0.00186	Worker
R2475	487,790	3,626,937	0.312	0.00195	Worker
R2476	487,815	3,626,937	0.329	0.00206	Worker
R2477	487,840	3,626,937	0.347	0.00217	Worker
R2478	487,865	3,626,937	0.367	0.00230	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2479	487,890	3,626,937	0.390	0.00244	Worker
R2480	487,915	3,626,937	0.415	0.00260	Worker
R2481	487,940	3,626,937	0.443	0.00277	Worker
R2482	487,965	3,626,937	0.475	0.00297	Worker
R2483	487,990	3,626,937	0.511	0.00320	Worker
R2484	488,015	3,626,937	0.552	0.00346	Worker
R2485	488,040	3,626,937	0.602	0.00377	Worker
R2486	488,065	3,626,937	0.659	0.00413	Worker
R2487	488,090	3,626,937	0.727	0.00456	Worker
R2488	488,115	3,626,937	0.811	0.00508	Worker
R2489	488,140	3,626,937	0.913	0.00572	Worker
R2490	488,165	3,626,937	1.042	0.00653	Worker
R2491	488,190	3,626,937	1.217	0.00762	Worker
R2492	488,215	3,626,937	1.471	0.00922	Worker
R2493	488,240	3,626,937	1.911	0.01197	Worker
R2494	489,090	3,626,937	3.418	0.02141	Worker
R2495	489,115	3,626,937	3.348	0.02098	Worker
R2496	489,140	3,626,937	3.277	0.02053	Worker
R2497	489,165	3,626,937	3.223	0.02019	Worker
R2498	489,190	3,626,937	3.163	0.01982	Worker
R2499	489,215	3,626,937	3.078	0.01928	Worker
R2500	489,240	3,626,937	2.998	0.01878	Worker
R2501	489,265	3,626,937	2.928	0.01834	Worker
R2502	489,290	3,626,937	2.849	0.01785	Worker
R2503	489,315	3,626,937	2.745	0.01720	Worker
R2504	489,340	3,626,937	2.681	0.01679	Worker
R2505	489,365	3,626,937	2.549	0.01597	Worker
R2506	489,390	3,626,937	2.472	0.01549	Worker
R2507	489,415	3,626,937	2.368	0.01484	Worker
R2508	489,440	3,626,937	2.256	0.01413	Worker
R2509	489,465	3,626,937	2.137	0.01339	Worker
R2510	489,490	3,626,937	2.024	0.01268	Worker
R2511	489,515	3,626,937	1.909	0.01196	Worker
R2512	489,540	3,626,937	1.810	0.01134	Worker
R2513	489,565	3,626,937	1.726	0.01081	Worker
R2514	489,590	3,626,937	1.642	0.01028	Worker
R2515	489,615	3,626,937	1.561	0.00978	Worker
R2516	489,640	3,626,937	1.494	0.00936	Worker
R2517	489,665	3,626,937	1.436	0.00900	Worker
R2518	489,690	3,626,937	1.370	0.00858	Worker
R2519	489,715	3,626,937	1.315	0.00824	Worker
R2520	489,740	3,626,937	1.262	0.00791	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2521	489,765	3,626,937	1.210	0.00758	Worker
R2522	489,790	3,626,937	1.164	0.00730	Worker
R2523	487,590	3,626,912	0.218	0.00136	Worker
R2524	487,615	3,626,912	0.227	0.00142	Worker
R2525	487,640	3,626,912	0.237	0.00148	Worker
R2526	487,665	3,626,912	0.247	0.00155	Worker
R2527	487,690	3,626,912	0.258	0.00162	Worker
R2528	487,715	3,626,912	0.270	0.00169	Worker
R2529	487,740	3,626,912	0.283	0.00177	Worker
R2530	487,765	3,626,912	0.297	0.00186	Worker
R2531	487,790	3,626,912	0.313	0.00196	Worker
R2532	487,815	3,626,912	0.330	0.00206	Worker
R2533	487,840	3,626,912	0.348	0.00218	Worker
R2534	487,865	3,626,912	0.369	0.00231	Worker
R2535	487,890	3,626,912	0.391	0.00245	Worker
R2536	487,915	3,626,912	0.417	0.00261	Worker
R2537	487,940	3,626,912	0.446	0.00279	Worker
R2538	487,965	3,626,912	0.479	0.00300	Worker
R2539	487,990	3,626,912	0.517	0.00324	Worker
R2540	488,015	3,626,912	0.561	0.00352	Worker
R2541	488,040	3,626,912	0.616	0.00386	Worker
R2542	488,065	3,626,912	0.678	0.00425	Worker
R2543	488,090	3,626,912	0.755	0.00473	Worker
R2544	488,115	3,626,912	0.848	0.00531	Worker
R2545	488,140	3,626,912	0.966	0.00605	Worker
R2546	488,165	3,626,912	1.124	0.00704	Worker
R2547	488,190	3,626,912	1.346	0.00843	Worker
R2548	488,215	3,626,912	1.700	0.01065	Worker
R2549	488,315	3,626,912	4.340	0.02719	Worker
R2550	489,090	3,626,912	3.197	0.02003	Worker
R2551	489,115	3,626,912	3.104	0.01945	Worker
R2552	489,140	3,626,912	3.018	0.01891	Worker
R2553	489,165	3,626,912	2.972	0.01862	Worker
R2554	489,190	3,626,912	2.901	0.01818	Worker
R2555	489,215	3,626,912	2.828	0.01772	Worker
R2556	489,240	3,626,912	2.739	0.01716	Worker
R2557	489,265	3,626,912	2.682	0.01680	Worker
R2558	489,290	3,626,912	2.594	0.01625	Worker
R2559	489,315	3,626,912	2.580	0.01616	Worker
R2560	489,340	3,626,912	2.487	0.01558	Worker
R2561	489,365	3,626,912	2.404	0.01506	Worker
R2562	489,390	3,626,912	2.310	0.01447	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2563	489,415	3,626,912	2.224	0.01393	Worker
R2564	489,440	3,626,912	2.132	0.01336	Worker
R2565	489,465	3,626,912	2.036	0.01276	Worker
R2566	489,490	3,626,912	1.942	0.01217	Worker
R2567	489,515	3,626,912	1.851	0.01160	Worker
R2568	489,540	3,626,912	1.764	0.01105	Worker
R2569	489,565	3,626,912	1.678	0.01051	Worker
R2570	489,590	3,626,912	1.601	0.01003	Worker
R2571	489,615	3,626,912	1.532	0.00960	Worker
R2572	489,640	3,626,912	1.469	0.00920	Worker
R2573	489,665	3,626,912	1.410	0.00883	Worker
R2574	489,690	3,626,912	1.354	0.00848	Worker
R2575	489,715	3,626,912	1.300	0.00815	Worker
R2576	489,740	3,626,912	1.246	0.00781	Worker
R2577	489,765	3,626,912	1.196	0.00749	Worker
R2578	487,590	3,626,887	0.218	0.00137	Worker
R2579	487,615	3,626,887	0.227	0.00142	Worker
R2580	487,640	3,626,887	0.237	0.00148	Worker
R2581	487,665	3,626,887	0.247	0.00155	Worker
R2582	487,690	3,626,887	0.258	0.00162	Worker
R2583	487,715	3,626,887	0.270	0.00169	Worker
R2584	487,740	3,626,887	0.283	0.00177	Worker
R2585	487,765	3,626,887	0.297	0.00186	Worker
R2586	487,790	3,626,887	0.313	0.00196	Worker
R2587	487,815	3,626,887	0.330	0.00207	Worker
R2588	487,840	3,626,887	0.349	0.00219	Worker
R2589	487,865	3,626,887	0.370	0.00232	Worker
R2590	487,890	3,626,887	0.394	0.00247	Worker
R2591	487,915	3,626,887	0.420	0.00263	Worker
R2592	487,940	3,626,887	0.450	0.00282	Worker
R2593	487,965	3,626,887	0.485	0.00304	Worker
R2594	487,990	3,626,887	0.524	0.00328	Worker
R2595	488,015	3,626,887	0.573	0.00359	Worker
R2596	488,040	3,626,887	0.630	0.00395	Worker
R2597	488,065	3,626,887	0.698	0.00437	Worker
R2598	488,090	3,626,887	0.787	0.00493	Worker
R2599	488,115	3,626,887	0.897	0.00562	Worker
R2600	488,140	3,626,887	1.041	0.00652	Worker
R2601	488,165	3,626,887	1.244	0.00780	Worker
R2602	488,190	3,626,887	1.567	0.00982	Worker
R2603	488,240	3,626,887	2.699	0.01691	Worker
R2604	488,265	3,626,887	3.269	0.02048	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2605	488,990	3,626,887	3.198	0.02004	Worker
R2606	489,015	3,626,887	3.131	0.01961	Worker
R2607	489,040	3,626,887	3.056	0.01915	Worker
R2608	489,065	3,626,887	2.983	0.01869	Worker
R2609	489,090	3,626,887	2.908	0.01822	Worker
R2610	489,115	3,626,887	2.825	0.01770	Worker
R2611	489,140	3,626,887	2.758	0.01728	Worker
R2612	489,165	3,626,887	2.701	0.01692	Worker
R2613	489,190	3,626,887	2.642	0.01655	Worker
R2614	489,215	3,626,887	2.581	0.01617	Worker
R2615	489,240	3,626,887	2.530	0.01585	Worker
R2616	489,265	3,626,887	2.464	0.01544	Worker
R2617	489,290	3,626,887	2.415	0.01513	Worker
R2618	489,315	3,626,887	2.385	0.01494	Worker
R2619	489,340	3,626,887	2.309	0.01447	Worker
R2620	489,365	3,626,887	2.236	0.01401	Worker
R2621	489,390	3,626,887	2.164	0.01356	Worker
R2622	489,415	3,626,887	2.089	0.01309	Worker
R2623	489,440	3,626,887	2.014	0.01262	Worker
R2624	489,465	3,626,887	1.937	0.01214	Worker
R2625	489,490	3,626,887	1.856	0.01163	Worker
R2626	489,515	3,626,887	1.781	0.01116	Worker
R2627	489,540	3,626,887	1.707	0.01069	Worker
R2628	489,565	3,626,887	1.637	0.01026	Worker
R2629	489,590	3,626,887	1.569	0.00983	Worker
R2630	489,615	3,626,887	1.502	0.00941	Worker
R2631	489,640	3,626,887	1.438	0.00901	Worker
R2632	489,665	3,626,887	1.381	0.00865	Worker
R2633	489,690	3,626,887	1.328	0.00832	Worker
R2634	489,715	3,626,887	1.278	0.00801	Worker
R2635	489,740	3,626,887	1.231	0.00771	Worker
R2636	489,765	3,626,887	1.187	0.00744	Worker
R2637	487,565	3,626,862	0.210	0.00132	Worker
R2638	487,590	3,626,862	0.219	0.00137	Worker
R2639	487,615	3,626,862	0.227	0.00143	Worker
R2640	487,640	3,626,862	0.237	0.00148	Worker
R2641	487,665	3,626,862	0.247	0.00155	Worker
R2642	487,690	3,626,862	0.258	0.00162	Worker
R2643	487,715	3,626,862	0.270	0.00169	Worker
R2644	487,740	3,626,862	0.283	0.00177	Worker
R2645	487,765	3,626,862	0.297	0.00186	Worker
R2646	487,790	3,626,862	0.313	0.00196	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2647	487,815	3,626,862	0.330	0.00207	Worker
R2648	487,840	3,626,862	0.350	0.00219	Worker
R2649	487,865	3,626,862	0.371	0.00233	Worker
R2650	487,890	3,626,862	0.396	0.00248	Worker
R2651	487,915	3,626,862	0.423	0.00265	Worker
R2652	487,940	3,626,862	0.454	0.00285	Worker
R2653	487,965	3,626,862	0.491	0.00308	Worker
R2654	487,990	3,626,862	0.534	0.00334	Worker
R2655	488,015	3,626,862	0.586	0.00367	Worker
R2656	488,040	3,626,862	0.647	0.00405	Worker
R2657	488,065	3,626,862	0.725	0.00454	Worker
R2658	488,090	3,626,862	0.826	0.00518	Worker
R2659	488,115	3,626,862	0.961	0.00602	Worker
R2660	488,140	3,626,862	1.148	0.00719	Worker
R2661	488,165	3,626,862	1.437	0.00900	Worker
R2662	488,190	3,626,862	1.916	0.01200	Worker
R2663	488,215	3,626,862	2.647	0.01658	Worker
R2664	488,890	3,626,862	24.835	0.01969	Resident
R2665	488,915	3,626,862	3.094	0.01939	Worker
R2666	488,940	3,626,862	3.013	0.01887	Worker
R2667	488,965	3,626,862	2.942	0.01843	Worker
R2668	488,990	3,626,862	2.878	0.01803	Worker
R2669	489,015	3,626,862	2.829	0.01772	Worker
R2670	489,040	3,626,862	2.769	0.01735	Worker
R2671	489,065	3,626,862	2.714	0.01700	Worker
R2672	489,090	3,626,862	2.664	0.01669	Worker
R2673	489,115	3,626,862	2.586	0.01620	Worker
R2674	489,140	3,626,862	2.529	0.01584	Worker
R2675	489,165	3,626,862	2.479	0.01553	Worker
R2676	489,190	3,626,862	2.430	0.01522	Worker
R2677	489,215	3,626,862	2.382	0.01492	Worker
R2678	489,240	3,626,862	2.340	0.01466	Worker
R2679	489,265	3,626,862	2.287	0.01433	Worker
R2680	489,290	3,626,862	2.263	0.01418	Worker
R2681	489,315	3,626,862	2.206	0.01382	Worker
R2682	489,340	3,626,862	2.140	0.01341	Worker
R2683	489,365	3,626,862	2.077	0.01301	Worker
R2684	489,390	3,626,862	2.021	0.01266	Worker
R2685	489,415	3,626,862	1.965	0.01231	Worker
R2686	489,440	3,626,862	1.903	0.01192	Worker
R2687	489,465	3,626,862	1.839	0.01152	Worker
R2688	489,490	3,626,862	1.769	0.01108	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2689	489,515	3,626,862	1.702	0.01066	Worker
R2690	489,540	3,626,862	1.643	0.01029	Worker
R2691	489,565	3,626,862	1.583	0.00992	Worker
R2692	489,590	3,626,862	1.525	0.00956	Worker
R2693	489,615	3,626,862	1.470	0.00921	Worker
R2694	489,640	3,626,862	1.416	0.00887	Worker
R2695	489,665	3,626,862	1.362	0.00853	Worker
R2696	489,690	3,626,862	1.311	0.00821	Worker
R2697	489,715	3,626,862	1.262	0.00791	Worker
R2698	489,740	3,626,862	1.216	0.00762	Worker
R2699	489,765	3,626,862	1.173	0.00735	Worker
R2700	487,565	3,626,837	0.211	0.00132	Worker
R2701	487,590	3,626,837	0.219	0.00137	Worker
R2702	487,615	3,626,837	0.227	0.00142	Worker
R2703	487,640	3,626,837	0.237	0.00148	Worker
R2704	487,665	3,626,837	0.247	0.00155	Worker
R2705	487,690	3,626,837	0.258	0.00162	Worker
R2706	487,715	3,626,837	0.270	0.00169	Worker
R2707	487,740	3,626,837	0.283	0.00177	Worker
R2708	487,765	3,626,837	0.298	0.00186	Worker
R2709	487,790	3,626,837	0.313	0.00196	Worker
R2710	487,815	3,626,837	0.331	0.00207	Worker
R2711	487,840	3,626,837	0.350	0.00219	Worker
R2712	487,865	3,626,837	0.372	0.00233	Worker
R2713	487,890	3,626,837	0.397	0.00249	Worker
R2714	487,915	3,626,837	0.425	0.00266	Worker
R2715	487,940	3,626,837	0.458	0.00287	Worker
R2716	487,965	3,626,837	0.497	0.00311	Worker
R2717	487,990	3,626,837	0.543	0.00340	Worker
R2718	488,015	3,626,837	0.599	0.00375	Worker
R2719	488,040	3,626,837	0.668	0.00419	Worker
R2720	488,065	3,626,837	0.760	0.00476	Worker
R2721	488,090	3,626,837	0.883	0.00553	Worker
R2722	488,115	3,626,837	1.049	0.00657	Worker
R2723	488,140	3,626,837	1.309	0.00820	Worker
R2724	488,165	3,626,837	1.748	0.01095	Worker
R2725	488,190	3,626,837	2.471	0.01548	Worker
R2726	488,840	3,626,837	2.966	0.01858	Worker
R2727	488,865	3,626,837	2.879	0.01804	Worker
R2728	488,890	3,626,837	2.839	0.01779	Worker
R2729	488,915	3,626,837	2.794	0.01750	Worker
R2730	488,940	3,626,837	2.731	0.01711	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2731	488,965	3,626,837	2.679	0.01679	Worker
R2732	488,990	3,626,837	2.613	0.01637	Worker
R2733	489,015	3,626,837	2.577	0.01614	Worker
R2734	489,040	3,626,837	2.531	0.01586	Worker
R2735	489,065	3,626,837	2.480	0.01554	Worker
R2736	489,090	3,626,837	2.435	0.01525	Worker
R2737	489,115	3,626,837	2.379	0.01490	Worker
R2738	489,140	3,626,837	2.333	0.01461	Worker
R2739	489,165	3,626,837	2.291	0.01435	Worker
R2740	489,190	3,626,837	2.254	0.01412	Worker
R2741	489,215	3,626,837	2.215	0.01388	Worker
R2742	489,240	3,626,837	2.167	0.01357	Worker
R2743	489,265	3,626,837	2.142	0.01342	Worker
R2744	489,290	3,626,837	2.104	0.01318	Worker
R2745	489,315	3,626,837	2.048	0.01283	Worker
R2746	489,340	3,626,837	1.989	0.01246	Worker
R2747	489,365	3,626,837	1.938	0.01214	Worker
R2748	489,390	3,626,837	1.895	0.01187	Worker
R2749	489,415	3,626,837	1.851	0.01160	Worker
R2750	489,440	3,626,837	1.800	0.01127	Worker
R2751	489,465	3,626,837	1.745	0.01093	Worker
R2752	489,490	3,626,837	1.688	0.01057	Worker
R2753	489,515	3,626,837	1.624	0.01017	Worker
R2754	489,540	3,626,837	1.570	0.00984	Worker
R2755	489,565	3,626,837	1.520	0.00952	Worker
R2756	489,590	3,626,837	1.467	0.00919	Worker
R2757	489,615	3,626,837	1.417	0.00888	Worker
R2758	489,640	3,626,837	1.372	0.00860	Worker
R2759	489,665	3,626,837	1.329	0.00832	Worker
R2760	489,690	3,626,837	1.275	0.00799	Worker
R2761	489,715	3,626,837	1.228	0.00769	Worker
R2762	489,740	3,626,837	1.193	0.00747	Worker
R2763	487,540	3,626,812	1.601	0.00127	Resident
R2764	487,565	3,626,812	0.210	0.00132	Worker
R2765	487,590	3,626,812	0.218	0.00137	Worker
R2766	487,615	3,626,812	0.227	0.00142	Worker
R2767	487,640	3,626,812	0.237	0.00148	Worker
R2768	487,665	3,626,812	0.247	0.00154	Worker
R2769	487,690	3,626,812	0.258	0.00161	Worker
R2770	487,715	3,626,812	0.270	0.00169	Worker
R2771	487,740	3,626,812	0.283	0.00177	Worker
R2772	487,765	3,626,812	0.296	0.00186	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2773	487,790	3,626,812	0.313	0.00196	Worker
R2774	487,815	3,626,812	0.330	0.00207	Worker
R2775	487,840	3,626,812	0.350	0.00219	Worker
R2776	487,865	3,626,812	0.373	0.00233	Worker
R2777	487,890	3,626,812	0.398	0.00249	Worker
R2778	487,915	3,626,812	0.427	0.00267	Worker
R2779	487,940	3,626,812	0.462	0.00289	Worker
R2780	487,965	3,626,812	0.504	0.00316	Worker
R2781	487,990	3,626,812	0.555	0.00347	Worker
R2782	488,015	3,626,812	0.617	0.00387	Worker
R2783	488,040	3,626,812	0.697	0.00437	Worker
R2784	488,065	3,626,812	0.802	0.00502	Worker
R2785	488,090	3,626,812	0.948	0.00594	Worker
R2786	488,115	3,626,812	1.180	0.00739	Worker
R2787	488,140	3,626,812	1.573	0.00986	Worker
R2788	488,165	3,626,812	2.246	0.01407	Worker
R2789	488,815	3,626,812	2.704	0.01694	Worker
R2790	488,840	3,626,812	2.646	0.01658	Worker
R2791	488,865	3,626,812	2.585	0.01619	Worker
R2792	488,890	3,626,812	2.548	0.01596	Worker
R2793	488,915	3,626,812	2.527	0.01583	Worker
R2794	488,940	3,626,812	2.481	0.01554	Worker
R2795	488,965	3,626,812	2.432	0.01524	Worker
R2796	488,990	3,626,812	2.386	0.01495	Worker
R2797	489,015	3,626,812	2.354	0.01475	Worker
R2798	489,040	3,626,812	2.318	0.01452	Worker
R2799	489,065	3,626,812	2.275	0.01425	Worker
R2800	489,090	3,626,812	2.237	0.01402	Worker
R2801	489,115	3,626,812	2.198	0.01377	Worker
R2802	489,140	3,626,812	2.162	0.01354	Worker
R2803	489,165	3,626,812	2.128	0.01333	Worker
R2804	489,190	3,626,812	2.093	0.01312	Worker
R2805	489,215	3,626,812	2.056	0.01288	Worker
R2806	489,240	3,626,812	2.027	0.01270	Worker
R2807	489,265	3,626,812	1.995	0.01250	Worker
R2808	489,290	3,626,812	1.945	0.01219	Worker
R2809	489,315	3,626,812	1.905	0.01193	Worker
R2810	489,340	3,626,812	1.862	0.01167	Worker
R2811	489,365	3,626,812	1.816	0.01137	Worker
R2812	489,390	3,626,812	1.776	0.01113	Worker
R2813	489,415	3,626,812	1.742	0.01091	Worker
R2814	489,440	3,626,812	1.703	0.01067	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2815	489,465	3,626,812	1.656	0.01038	Worker
R2816	489,490	3,626,812	1.608	0.01008	Worker
R2817	489,515	3,626,812	1.552	0.00972	Worker
R2818	489,540	3,626,812	1.500	0.00940	Worker
R2819	489,565	3,626,812	1.456	0.00912	Worker
R2820	489,590	3,626,812	1.413	0.00885	Worker
R2821	489,615	3,626,812	1.372	0.00860	Worker
R2822	489,640	3,626,812	1.317	0.00825	Worker
R2823	489,665	3,626,812	1.276	0.00799	Worker
R2824	489,690	3,626,812	1.236	0.00775	Worker
R2825	489,715	3,626,812	1.209	0.00757	Worker
R2826	487,540	3,626,787	1.599	0.00127	Resident
R2827	487,565	3,626,787	1.658	0.00131	Resident
R2828	487,590	3,626,787	0.218	0.00137	Worker
R2829	487,615	3,626,787	0.227	0.00142	Worker
R2830	487,640	3,626,787	0.236	0.00148	Worker
R2831	487,665	3,626,787	0.246	0.00154	Worker
R2832	487,690	3,626,787	0.257	0.00161	Worker
R2833	487,715	3,626,787	0.269	0.00168	Worker
R2834	487,740	3,626,787	0.281	0.00176	Worker
R2835	487,765	3,626,787	0.296	0.00185	Worker
R2836	487,790	3,626,787	0.312	0.00195	Worker
R2837	487,815	3,626,787	0.329	0.00206	Worker
R2838	487,840	3,626,787	0.349	0.00219	Worker
R2839	487,865	3,626,787	0.372	0.00233	Worker
R2840	487,890	3,626,787	0.398	0.00249	Worker
R2841	487,915	3,626,787	0.428	0.00268	Worker
R2842	487,940	3,626,787	0.466	0.00292	Worker
R2843	487,965	3,626,787	0.510	0.00319	Worker
R2844	487,990	3,626,787	0.567	0.00355	Worker
R2845	488,015	3,626,787	0.639	0.00400	Worker
R2846	488,040	3,626,787	0.735	0.00460	Worker
R2847	488,065	3,626,787	0.865	0.00542	Worker
R2848	488,090	3,626,787	1.059	0.00663	Worker
R2849	488,115	3,626,787	1.382	0.00866	Worker
R2850	488,140	3,626,787	1.975	0.01238	Worker
R2851	488,740	3,626,787	2.534	0.01587	Worker
R2852	488,765	3,626,787	2.495	0.01563	Worker
R2853	488,790	3,626,787	2.462	0.01542	Worker
R2854	488,815	3,626,787	2.419	0.01516	Worker
R2855	488,840	3,626,787	2.375	0.01488	Worker
R2856	488,865	3,626,787	2.337	0.01464	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2857	488,890	3,626,787	2.313	0.01449	Worker
R2858	488,915	3,626,787	2.292	0.01436	Worker
R2859	488,940	3,626,787	2.261	0.01417	Worker
R2860	488,965	3,626,787	2.218	0.01390	Worker
R2861	488,990	3,626,787	2.189	0.01371	Worker
R2862	489,015	3,626,787	2.161	0.01354	Worker
R2863	489,040	3,626,787	2.128	0.01333	Worker
R2864	489,065	3,626,787	2.096	0.01313	Worker
R2865	489,090	3,626,787	2.065	0.01293	Worker
R2866	489,115	3,626,787	2.035	0.01275	Worker
R2867	489,140	3,626,787	2.007	0.01257	Worker
R2868	489,165	3,626,787	1.977	0.01239	Worker
R2869	489,190	3,626,787	1.948	0.01220	Worker
R2870	489,215	3,626,787	1.918	0.01202	Worker
R2871	489,240	3,626,787	1.888	0.01183	Worker
R2872	489,265	3,626,787	1.854	0.01161	Worker
R2873	489,290	3,626,787	1.815	0.01137	Worker
R2874	489,315	3,626,787	1.782	0.01116	Worker
R2875	489,340	3,626,787	1.748	0.01095	Worker
R2876	489,365	3,626,787	1.712	0.01072	Worker
R2877	489,390	3,626,787	1.674	0.01049	Worker
R2878	489,415	3,626,787	1.636	0.01025	Worker
R2879	489,440	3,626,787	1.609	0.01008	Worker
R2880	489,465	3,626,787	1.561	0.00978	Worker
R2881	489,490	3,626,787	1.520	0.00952	Worker
R2882	489,515	3,626,787	1.477	0.00925	Worker
R2883	489,540	3,626,787	1.437	0.00900	Worker
R2884	489,565	3,626,787	1.397	0.00875	Worker
R2885	489,590	3,626,787	1.356	0.00850	Worker
R2886	489,615	3,626,787	1.316	0.00825	Worker
R2887	489,640	3,626,787	1.278	0.00800	Worker
R2888	489,665	3,626,787	1.240	0.00777	Worker
R2889	489,690	3,626,787	1.203	0.00754	Worker
R2890	489,715	3,626,787	1.168	0.00732	Worker
R2891	487,540	3,626,762	1.595	0.00127	Resident
R2892	487,565	3,626,762	1.655	0.00131	Resident
R2893	487,590	3,626,762	1.715	0.00136	Resident
R2894	487,615	3,626,762	1.781	0.00141	Resident
R2895	487,640	3,626,762	1.853	0.00147	Resident
R2896	487,665	3,626,762	0.245	0.00153	Worker
R2897	487,690	3,626,762	0.255	0.00160	Worker
R2898	487,715	3,626,762	0.267	0.00167	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2899	487,740	3,626,762	0.280	0.00175	Worker
R2900	487,765	3,626,762	0.294	0.00184	Worker
R2901	487,790	3,626,762	0.310	0.00194	Worker
R2902	487,815	3,626,762	0.328	0.00206	Worker
R2903	487,840	3,626,762	0.348	0.00218	Worker
R2904	487,865	3,626,762	0.371	0.00232	Worker
R2905	487,890	3,626,762	0.398	0.00249	Worker
R2906	487,915	3,626,762	0.429	0.00269	Worker
R2907	487,940	3,626,762	0.468	0.00293	Worker
R2908	487,965	3,626,762	0.517	0.00324	Worker
R2909	487,990	3,626,762	0.583	0.00365	Worker
R2910	488,015	3,626,762	0.668	0.00419	Worker
R2911	488,040	3,626,762	0.783	0.00491	Worker
R2912	488,065	3,626,762	0.960	0.00601	Worker
R2913	488,090	3,626,762	1.255	0.00786	Worker
R2914	488,115	3,626,762	1.777	0.01113	Worker
R2915	488,690	3,626,762	2.347	0.01470	Worker
R2916	488,715	3,626,762	2.310	0.01447	Worker
R2917	488,740	3,626,762	2.268	0.01421	Worker
R2918	488,765	3,626,762	2.239	0.01402	Worker
R2919	488,790	3,626,762	2.211	0.01385	Worker
R2920	488,815	3,626,762	2.177	0.01364	Worker
R2921	488,840	3,626,762	2.145	0.01344	Worker
R2922	488,865	3,626,762	2.124	0.01331	Worker
R2923	488,890	3,626,762	2.105	0.01319	Worker
R2924	488,915	3,626,762	2.086	0.01307	Worker
R2925	488,940	3,626,762	2.063	0.01293	Worker
R2926	488,965	3,626,762	2.039	0.01278	Worker
R2927	488,990	3,626,762	2.015	0.01263	Worker
R2928	489,015	3,626,762	1.992	0.01248	Worker
R2929	489,040	3,626,762	1.967	0.01233	Worker
R2930	489,065	3,626,762	1.941	0.01216	Worker
R2931	489,090	3,626,762	1.915	0.01199	Worker
R2932	489,115	3,626,762	1.889	0.01183	Worker
R2933	489,140	3,626,762	1.862	0.01167	Worker
R2934	489,165	3,626,762	1.837	0.01151	Worker
R2935	489,190	3,626,762	1.811	0.01134	Worker
R2936	489,215	3,626,762	1.784	0.01118	Worker
R2937	489,240	3,626,762	1.757	0.01101	Worker
R2938	489,265	3,626,762	1.730	0.01084	Worker
R2939	489,290	3,626,762	1.703	0.01067	Worker
R2940	489,315	3,626,762	1.674	0.01049	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2941	489,340	3,626,762	1.645	0.01030	Worker
R2942	489,365	3,626,762	1.614	0.01011	Worker
R2943	489,390	3,626,762	1.583	0.00991	Worker
R2944	489,415	3,626,762	1.549	0.00971	Worker
R2945	489,440	3,626,762	1.516	0.00950	Worker
R2946	489,465	3,626,762	1.481	0.00928	Worker
R2947	489,490	3,626,762	1.446	0.00906	Worker
R2948	489,515	3,626,762	1.411	0.00884	Worker
R2949	489,540	3,626,762	1.375	0.00862	Worker
R2950	489,565	3,626,762	1.340	0.00839	Worker
R2951	489,590	3,626,762	1.305	0.00817	Worker
R2952	489,615	3,626,762	1.270	0.00796	Worker
R2953	489,640	3,626,762	1.236	0.00774	Worker
R2954	489,665	3,626,762	1.202	0.00753	Worker
R2955	489,690	3,626,762	1.168	0.00732	Worker
R2956	487,515	3,626,737	1.534	0.00122	Resident
R2957	487,540	3,626,737	1.589	0.00126	Resident
R2958	487,565	3,626,737	1.646	0.00131	Resident
R2959	487,590	3,626,737	1.708	0.00135	Resident
R2960	487,615	3,626,737	1.771	0.00140	Resident
R2961	487,640	3,626,737	1.841	0.00146	Resident
R2962	487,665	3,626,737	1.919	0.00152	Resident
R2963	487,690	3,626,737	0.253	0.00159	Worker
R2964	487,715	3,626,737	0.265	0.00166	Worker
R2965	487,740	3,626,737	0.278	0.00174	Worker
R2966	487,765	3,626,737	0.292	0.00183	Worker
R2967	487,790	3,626,737	0.308	0.00193	Worker
R2968	487,815	3,626,737	0.326	0.00204	Worker
R2969	487,840	3,626,737	0.345	0.00216	Worker
R2970	487,865	3,626,737	0.369	0.00231	Worker
R2971	487,890	3,626,737	0.397	0.00249	Worker
R2972	487,915	3,626,737	0.430	0.00269	Worker
R2973	487,940	3,626,737	0.471	0.00295	Worker
R2974	487,965	3,626,737	0.525	0.00329	Worker
R2975	487,990	3,626,737	0.598	0.00374	Worker
R2976	488,015	3,626,737	0.703	0.00440	Worker
R2977	488,040	3,626,737	0.863	0.00541	Worker
R2978	488,065	3,626,737	1.132	0.00709	Worker
R2979	488,090	3,626,737	1.622	0.01016	Worker
R2980	488,690	3,626,737	2.087	0.01307	Worker
R2981	488,715	3,626,737	2.055	0.01287	Worker
R2982	488,740	3,626,737	2.027	0.01270	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R2983	488,765	3,626,737	2.008	0.01258	Worker
R2984	488,790	3,626,737	1.992	0.01248	Worker
R2985	488,815	3,626,737	1.971	0.01235	Worker
R2986	488,840	3,626,737	1.952	0.01223	Worker
R2987	488,865	3,626,737	1.938	0.01214	Worker
R2988	488,890	3,626,737	1.926	0.01207	Worker
R2989	488,915	3,626,737	1.917	0.01201	Worker
R2990	488,940	3,626,737	1.899	0.01190	Worker
R2991	488,965	3,626,737	1.878	0.01176	Worker
R2992	488,990	3,626,737	1.856	0.01163	Worker
R2993	489,015	3,626,737	1.835	0.01149	Worker
R2994	489,040	3,626,737	1.813	0.01136	Worker
R2995	489,065	3,626,737	1.793	0.01123	Worker
R2996	489,090	3,626,737	1.772	0.01110	Worker
R2997	489,115	3,626,737	1.751	0.01097	Worker
R2998	489,140	3,626,737	1.730	0.01084	Worker
R2999	489,165	3,626,737	1.709	0.01071	Worker
R3000	489,190	3,626,737	1.688	0.01057	Worker
R3001	489,215	3,626,737	1.666	0.01044	Worker
R3002	489,240	3,626,737	1.645	0.01030	Worker
R3003	489,265	3,626,737	1.622	0.01016	Worker
R3004	489,290	3,626,737	1.599	0.01002	Worker
R3005	489,315	3,626,737	1.575	0.00987	Worker
R3006	489,340	3,626,737	1.549	0.00971	Worker
R3007	489,365	3,626,737	1.523	0.00954	Worker
R3008	489,390	3,626,737	1.496	0.00937	Worker
R3009	489,415	3,626,737	1.467	0.00919	Worker
R3010	489,440	3,626,737	1.438	0.00901	Worker
R3011	489,465	3,626,737	1.408	0.00882	Worker
R3012	489,490	3,626,737	1.378	0.00863	Worker
R3013	489,515	3,626,737	1.347	0.00844	Worker
R3014	489,540	3,626,737	1.315	0.00824	Worker
R3015	489,565	3,626,737	1.284	0.00805	Worker
R3016	489,590	3,626,737	1.253	0.00785	Worker
R3017	489,615	3,626,737	1.222	0.00766	Worker
R3018	489,640	3,626,737	1.192	0.00746	Worker
R3019	489,665	3,626,737	1.161	0.00727	Worker
R3020	487,515	3,626,712	1.527	0.00121	Resident
R3021	487,540	3,626,712	1.579	0.00125	Resident
R3022	487,565	3,626,712	1.635	0.00130	Resident
R3023	487,590	3,626,712	1.697	0.00135	Resident
R3024	487,615	3,626,712	1.760	0.00140	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3025	487,640	3,626,712	1.830	0.00145	Resident
R3026	487,665	3,626,712	1.902	0.00151	Resident
R3027	487,690	3,626,712	1.986	0.00157	Resident
R3028	487,715	3,626,712	0.263	0.00165	Worker
R3029	487,740	3,626,712	0.276	0.00173	Worker
R3030	487,765	3,626,712	0.290	0.00182	Worker
R3031	487,790	3,626,712	0.305	0.00191	Worker
R3032	487,815	3,626,712	0.322	0.00202	Worker
R3033	487,840	3,626,712	0.343	0.00215	Worker
R3034	487,865	3,626,712	0.366	0.00230	Worker
R3035	487,890	3,626,712	0.395	0.00247	Worker
R3036	487,915	3,626,712	0.429	0.00269	Worker
R3037	487,940	3,626,712	0.473	0.00297	Worker
R3038	487,965	3,626,712	0.532	0.00333	Worker
R3039	487,990	3,626,712	0.621	0.00389	Worker
R3040	488,015	3,626,712	0.761	0.00477	Worker
R3041	488,040	3,626,712	1.005	0.00630	Worker
R3042	488,065	3,626,712	1.463	0.00916	Worker
R3043	488,690	3,626,712	1.860	0.01165	Worker
R3044	488,715	3,626,712	1.843	0.01155	Worker
R3045	488,740	3,626,712	1.829	0.01146	Worker
R3046	488,765	3,626,712	1.819	0.01140	Worker
R3047	488,790	3,626,712	1.802	0.01129	Worker
R3048	488,815	3,626,712	1.793	0.01123	Worker
R3049	488,840	3,626,712	1.795	0.01125	Worker
R3050	488,865	3,626,712	1.791	0.01122	Worker
R3051	488,890	3,626,712	1.774	0.01111	Worker
R3052	488,915	3,626,712	1.757	0.01101	Worker
R3053	488,940	3,626,712	1.741	0.01091	Worker
R3054	488,965	3,626,712	1.727	0.01082	Worker
R3055	488,990	3,626,712	1.714	0.01074	Worker
R3056	489,015	3,626,712	1.697	0.01063	Worker
R3057	489,040	3,626,712	1.679	0.01052	Worker
R3058	489,065	3,626,712	1.662	0.01041	Worker
R3059	489,090	3,626,712	1.644	0.01030	Worker
R3060	489,115	3,626,712	1.628	0.01020	Worker
R3061	489,140	3,626,712	1.611	0.01009	Worker
R3062	489,165	3,626,712	1.594	0.00999	Worker
R3063	489,190	3,626,712	1.577	0.00988	Worker
R3064	489,215	3,626,712	1.560	0.00977	Worker
R3065	489,240	3,626,712	1.543	0.00967	Worker
R3066	489,265	3,626,712	1.526	0.00956	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3067	489,290	3,626,712	1.507	0.00944	Worker
R3068	489,315	3,626,712	1.487	0.00932	Worker
R3069	489,340	3,626,712	1.465	0.00918	Worker
R3070	489,365	3,626,712	1.440	0.00902	Worker
R3071	489,390	3,626,712	1.415	0.00886	Worker
R3072	489,415	3,626,712	1.390	0.00871	Worker
R3073	489,440	3,626,712	1.366	0.00856	Worker
R3074	489,465	3,626,712	1.341	0.00840	Worker
R3075	489,490	3,626,712	1.315	0.00824	Worker
R3076	489,515	3,626,712	1.291	0.00809	Worker
R3077	489,540	3,626,712	1.260	0.00789	Worker
R3078	489,565	3,626,712	1.230	0.00771	Worker
R3079	489,590	3,626,712	1.203	0.00754	Worker
R3080	489,615	3,626,712	1.176	0.00737	Worker
R3081	489,640	3,626,712	1.150	0.00721	Worker
R3082	487,515	3,626,687	1.517	0.00120	Resident
R3083	487,540	3,626,687	1.570	0.00124	Resident
R3084	487,565	3,626,687	1.625	0.00129	Resident
R3085	487,590	3,626,687	1.683	0.00133	Resident
R3086	487,615	3,626,687	1.744	0.00138	Resident
R3087	487,640	3,626,687	1.811	0.00144	Resident
R3088	487,665	3,626,687	1.885	0.00149	Resident
R3089	487,690	3,626,687	1.967	0.00156	Resident
R3090	487,715	3,626,687	2.053	0.00163	Resident
R3091	487,740	3,626,687	0.273	0.00171	Worker
R3092	487,765	3,626,687	0.286	0.00179	Worker
R3093	487,790	3,626,687	0.301	0.00189	Worker
R3094	487,815	3,626,687	0.319	0.00200	Worker
R3095	487,840	3,626,687	0.338	0.00212	Worker
R3096	487,865	3,626,687	0.362	0.00227	Worker
R3097	487,890	3,626,687	0.390	0.00244	Worker
R3098	487,915	3,626,687	0.425	0.00267	Worker
R3099	487,940	3,626,687	0.471	0.00295	Worker
R3100	487,965	3,626,687	0.537	0.00337	Worker
R3101	487,990	3,626,687	0.648	0.00406	Worker
R3102	488,015	3,626,687	0.869	0.00545	Worker
R3103	488,040	3,626,687	1.311	0.00821	Worker
R3104	488,665	3,626,687	1.687	0.01057	Worker
R3105	488,690	3,626,687	1.679	0.01052	Worker
R3106	488,715	3,626,687	1.672	0.01047	Worker
R3107	488,740	3,626,687	1.659	0.01039	Worker
R3108	488,765	3,626,687	1.656	0.01037	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3109	488,790	3,626,687	1.666	0.01044	Worker
R3110	488,815	3,626,687	1.660	0.01040	Worker
R3111	488,840	3,626,687	1.647	0.01032	Worker
R3112	488,865	3,626,687	1.635	0.01025	Worker
R3113	488,890	3,626,687	1.632	0.01023	Worker
R3114	488,915	3,626,687	1.624	0.01017	Worker
R3115	488,940	3,626,687	1.611	0.01009	Worker
R3116	488,965	3,626,687	1.597	0.01000	Worker
R3117	488,990	3,626,687	1.586	0.00993	Worker
R3118	489,015	3,626,687	1.576	0.00987	Worker
R3119	489,040	3,626,687	1.566	0.00981	Worker
R3120	489,065	3,626,687	1.557	0.00976	Worker
R3121	489,090	3,626,687	1.543	0.00967	Worker
R3122	489,115	3,626,687	1.526	0.00956	Worker
R3123	489,140	3,626,687	1.509	0.00945	Worker
R3124	489,165	3,626,687	1.493	0.00936	Worker
R3125	489,190	3,626,687	1.478	0.00926	Worker
R3126	489,215	3,626,687	1.463	0.00917	Worker
R3127	489,240	3,626,687	1.449	0.00908	Worker
R3128	489,265	3,626,687	1.435	0.00899	Worker
R3129	489,290	3,626,687	1.421	0.00890	Worker
R3130	489,315	3,626,687	1.408	0.00882	Worker
R3131	489,340	3,626,687	1.389	0.00870	Worker
R3132	489,365	3,626,687	1.367	0.00857	Worker
R3133	489,390	3,626,687	1.348	0.00844	Worker
R3134	489,415	3,626,687	1.326	0.00831	Worker
R3135	489,440	3,626,687	1.304	0.00817	Worker
R3136	489,465	3,626,687	1.284	0.00804	Worker
R3137	489,490	3,626,687	1.260	0.00789	Worker
R3138	489,515	3,626,687	1.236	0.00774	Worker
R3139	489,540	3,626,687	1.212	0.00760	Worker
R3140	489,565	3,626,687	1.183	0.00741	Worker
R3141	489,590	3,626,687	1.157	0.00725	Worker
R3142	489,615	3,626,687	1.132	0.00709	Worker
R3143	487,515	3,626,662	1.508	0.00120	Resident
R3144	487,540	3,626,662	1.554	0.00123	Resident
R3145	487,565	3,626,662	1.609	0.00128	Resident
R3146	487,590	3,626,662	1.667	0.00132	Resident
R3147	487,615	3,626,662	1.726	0.00137	Resident
R3148	487,640	3,626,662	1.791	0.00142	Resident
R3149	487,665	3,626,662	1.867	0.00148	Resident
R3150	487,690	3,626,662	1.945	0.00154	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3151	487,715	3,626,662	2.029	0.00161	Resident
R3152	487,740	3,626,662	2.120	0.00168	Resident
R3153	487,765	3,626,662	0.282	0.00177	Worker
R3154	487,790	3,626,662	0.297	0.00186	Worker
R3155	487,815	3,626,662	0.313	0.00196	Worker
R3156	487,840	3,626,662	0.333	0.00209	Worker
R3157	487,865	3,626,662	0.356	0.00223	Worker
R3158	487,890	3,626,662	0.383	0.00240	Worker
R3159	487,915	3,626,662	0.417	0.00261	Worker
R3160	487,940	3,626,662	0.462	0.00290	Worker
R3161	487,965	3,626,662	0.535	0.00335	Worker
R3162	487,990	3,626,662	0.674	0.00422	Worker
R3163	488,015	3,626,662	1.018	0.00638	Worker
R3164	488,640	3,626,662	1.531	0.00959	Worker
R3165	488,665	3,626,662	1.523	0.00954	Worker
R3166	488,690	3,626,662	1.520	0.00952	Worker
R3167	488,715	3,626,662	1.517	0.00950	Worker
R3168	488,740	3,626,662	1.533	0.00961	Worker
R3169	488,765	3,626,662	1.531	0.00959	Worker
R3170	488,790	3,626,662	1.521	0.00953	Worker
R3171	488,815	3,626,662	1.514	0.00948	Worker
R3172	488,840	3,626,662	1.522	0.00954	Worker
R3173	488,865	3,626,662	1.515	0.00949	Worker
R3174	488,890	3,626,662	1.505	0.00943	Worker
R3175	488,915	3,626,662	1.496	0.00937	Worker
R3176	488,940	3,626,662	1.490	0.00934	Worker
R3177	488,965	3,626,662	1.481	0.00928	Worker
R3178	488,990	3,626,662	1.474	0.00923	Worker
R3179	489,015	3,626,662	1.468	0.00919	Worker
R3180	489,040	3,626,662	1.460	0.00915	Worker
R3181	489,065	3,626,662	1.451	0.00909	Worker
R3182	489,090	3,626,662	1.432	0.00897	Worker
R3183	489,115	3,626,662	1.418	0.00889	Worker
R3184	489,140	3,626,662	1.408	0.00882	Worker
R3185	489,165	3,626,662	1.396	0.00874	Worker
R3186	489,190	3,626,662	1.384	0.00867	Worker
R3187	489,215	3,626,662	1.379	0.00864	Worker
R3188	489,240	3,626,662	1.361	0.00853	Worker
R3189	489,265	3,626,662	1.347	0.00844	Worker
R3190	489,290	3,626,662	1.338	0.00838	Worker
R3191	489,315	3,626,662	1.329	0.00833	Worker
R3192	489,340	3,626,662	1.313	0.00822	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3193	489,365	3,626,662	1.295	0.00812	Worker
R3194	489,390	3,626,662	1.277	0.00800	Worker
R3195	489,415	3,626,662	1.259	0.00789	Worker
R3196	489,440	3,626,662	1.242	0.00778	Worker
R3197	489,465	3,626,662	1.223	0.00766	Worker
R3198	489,490	3,626,662	1.201	0.00752	Worker
R3199	489,515	3,626,662	1.179	0.00739	Worker
R3200	489,540	3,626,662	1.160	0.00727	Worker
R3201	489,565	3,626,662	1.137	0.00712	Worker
R3202	489,590	3,626,662	1.114	0.00698	Worker
R3203	487,515	3,626,637	1.496	0.00119	Resident
R3204	487,540	3,626,637	1.544	0.00122	Resident
R3205	487,565	3,626,637	1.590	0.00126	Resident
R3206	487,590	3,626,637	1.646	0.00131	Resident
R3207	487,615	3,626,637	1.706	0.00135	Resident
R3208	487,640	3,626,637	1.773	0.00141	Resident
R3209	487,665	3,626,637	1.843	0.00146	Resident
R3210	487,690	3,626,637	1.918	0.00152	Resident
R3211	487,715	3,626,637	2.002	0.00159	Resident
R3212	487,740	3,626,637	2.089	0.00166	Resident
R3213	487,765	3,626,637	2.185	0.00173	Resident
R3214	487,790	3,626,637	0.291	0.00182	Worker
R3215	487,815	3,626,637	0.307	0.00192	Worker
R3216	487,840	3,626,637	0.326	0.00204	Worker
R3217	487,865	3,626,637	0.346	0.00217	Worker
R3218	487,890	3,626,637	0.372	0.00233	Worker
R3219	487,915	3,626,637	0.403	0.00253	Worker
R3220	487,940	3,626,637	0.448	0.00280	Worker
R3221	487,965	3,626,637	0.516	0.00323	Worker
R3222	487,990	3,626,637	0.649	0.00406	Worker
R3223	488,615	3,626,637	1.383	0.00866	Worker
R3224	488,640	3,626,637	1.382	0.00866	Worker
R3225	488,665	3,626,637	1.382	0.00866	Worker
R3226	488,690	3,626,637	1.399	0.00876	Worker
R3227	488,715	3,626,637	1.405	0.00880	Worker
R3228	488,740	3,626,637	1.399	0.00876	Worker
R3229	488,765	3,626,637	1.397	0.00875	Worker
R3230	488,790	3,626,637	1.407	0.00881	Worker
R3231	488,815	3,626,637	1.405	0.00880	Worker
R3232	488,840	3,626,637	1.398	0.00876	Worker
R3233	488,865	3,626,637	1.397	0.00875	Worker
R3234	488,890	3,626,637	1.392	0.00872	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3235	488,915	3,626,637	1.386	0.00868	Worker
R3236	488,940	3,626,637	1.382	0.00866	Worker
R3237	488,965	3,626,637	1.376	0.00862	Worker
R3238	488,990	3,626,637	1.371	0.00859	Worker
R3239	489,015	3,626,637	1.367	0.00856	Worker
R3240	489,040	3,626,637	1.360	0.00852	Worker
R3241	489,065	3,626,637	1.352	0.00847	Worker
R3242	489,090	3,626,637	1.337	0.00838	Worker
R3243	489,115	3,626,637	1.327	0.00831	Worker
R3244	489,140	3,626,637	1.319	0.00826	Worker
R3245	489,165	3,626,637	1.313	0.00822	Worker
R3246	489,190	3,626,637	1.306	0.00818	Worker
R3247	489,215	3,626,637	1.291	0.00809	Worker
R3248	489,240	3,626,637	1.288	0.00807	Worker
R3249	489,265	3,626,637	1.275	0.00799	Worker
R3250	489,290	3,626,637	1.272	0.00797	Worker
R3251	489,315	3,626,637	1.255	0.00786	Worker
R3252	489,340	3,626,637	1.243	0.00779	Worker
R3253	489,365	3,626,637	1.228	0.00769	Worker
R3254	489,390	3,626,637	1.211	0.00758	Worker
R3255	489,415	3,626,637	1.193	0.00748	Worker
R3256	489,440	3,626,637	1.178	0.00738	Worker
R3257	489,465	3,626,637	1.161	0.00728	Worker
R3258	489,490	3,626,637	1.145	0.00717	Worker
R3259	489,515	3,626,637	1.126	0.00705	Worker
R3260	489,540	3,626,637	1.108	0.00694	Worker
R3261	489,565	3,626,637	1.091	0.00684	Worker
R3262	487,515	3,626,612	1.481	0.00117	Resident
R3263	487,540	3,626,612	1.529	0.00121	Resident
R3264	487,565	3,626,612	1.575	0.00125	Resident
R3265	487,590	3,626,612	1.627	0.00129	Resident
R3266	487,615	3,626,612	1.685	0.00134	Resident
R3267	487,640	3,626,612	1.750	0.00139	Resident
R3268	487,665	3,626,612	1.817	0.00144	Resident
R3269	487,690	3,626,612	1.887	0.00150	Resident
R3270	487,715	3,626,612	1.965	0.00156	Resident
R3271	487,740	3,626,612	2.051	0.00163	Resident
R3272	487,765	3,626,612	2.145	0.00170	Resident
R3273	487,790	3,626,612	2.245	0.00178	Resident
R3274	487,815	3,626,612	0.300	0.00188	Worker
R3275	487,840	3,626,612	0.317	0.00198	Worker
R3276	487,865	3,626,612	0.336	0.00210	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3277	487,890	3,626,612	0.359	0.00225	Worker
R3278	487,915	3,626,612	0.387	0.00243	Worker
R3279	487,940	3,626,612	0.424	0.00266	Worker
R3280	487,965	3,626,612	0.476	0.00298	Worker
R3281	487,990	3,626,612	0.547	0.00343	Worker
R3282	488,015	3,626,612	0.700	0.00438	Worker
R3283	488,590	3,626,612	1.246	0.00780	Worker
R3284	488,615	3,626,612	1.250	0.00783	Worker
R3285	488,640	3,626,612	1.260	0.00789	Worker
R3286	488,665	3,626,612	1.280	0.00802	Worker
R3287	488,690	3,626,612	1.279	0.00801	Worker
R3288	488,715	3,626,612	1.277	0.00800	Worker
R3289	488,740	3,626,612	1.291	0.00809	Worker
R3290	488,765	3,626,612	1.295	0.00811	Worker
R3291	488,790	3,626,612	1.292	0.00809	Worker
R3292	488,815	3,626,612	1.296	0.00812	Worker
R3293	488,840	3,626,612	1.293	0.00810	Worker
R3294	488,865	3,626,612	1.292	0.00809	Worker
R3295	488,890	3,626,612	1.289	0.00807	Worker
R3296	488,915	3,626,612	1.289	0.00808	Worker
R3297	488,940	3,626,612	1.286	0.00806	Worker
R3298	488,965	3,626,612	1.281	0.00802	Worker
R3299	488,990	3,626,612	1.278	0.00800	Worker
R3300	489,015	3,626,612	1.275	0.00799	Worker
R3301	489,040	3,626,612	1.269	0.00795	Worker
R3302	489,065	3,626,612	1.260	0.00790	Worker
R3303	489,090	3,626,612	1.250	0.00783	Worker
R3304	489,115	3,626,612	1.243	0.00779	Worker
R3305	489,140	3,626,612	1.238	0.00775	Worker
R3306	489,165	3,626,612	1.232	0.00772	Worker
R3307	489,190	3,626,612	1.227	0.00769	Worker
R3308	489,215	3,626,612	1.215	0.00761	Worker
R3309	489,240	3,626,612	1.210	0.00758	Worker
R3310	489,265	3,626,612	1.188	0.00744	Worker
R3311	489,290	3,626,612	1.189	0.00745	Worker
R3312	489,315	3,626,612	1.192	0.00747	Worker
R3313	489,340	3,626,612	1.169	0.00732	Worker
R3314	489,365	3,626,612	1.160	0.00727	Worker
R3315	489,390	3,626,612	1.151	0.00721	Worker
R3316	489,415	3,626,612	1.139	0.00713	Worker
R3317	489,440	3,626,612	1.121	0.00702	Worker
R3318	489,465	3,626,612	1.105	0.00692	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3319	489,490	3,626,612	1.090	0.00683	Worker
R3320	489,515	3,626,612	1.077	0.00675	Worker
R3321	487,515	3,626,587	1.466	0.00116	Resident
R3322	487,540	3,626,587	1.512	0.00120	Resident
R3323	487,565	3,626,587	1.555	0.00123	Resident
R3324	487,590	3,626,587	0.204	0.00128	Worker
R3325	487,615	3,626,587	0.211	0.00132	Worker
R3326	487,640	3,626,587	1.722	0.00137	Resident
R3327	487,665	3,626,587	1.786	0.00142	Resident
R3328	487,690	3,626,587	1.853	0.00147	Resident
R3329	487,715	3,626,587	1.925	0.00153	Resident
R3330	487,740	3,626,587	2.006	0.00159	Resident
R3331	487,765	3,626,587	2.092	0.00166	Resident
R3332	487,790	3,626,587	2.189	0.00174	Resident
R3333	487,815	3,626,587	2.295	0.00182	Resident
R3334	487,840	3,626,587	0.306	0.00192	Worker
R3335	487,865	3,626,587	0.324	0.00203	Worker
R3336	487,890	3,626,587	0.344	0.00216	Worker
R3337	487,915	3,626,587	0.368	0.00230	Worker
R3338	487,940	3,626,587	0.396	0.00248	Worker
R3339	487,965	3,626,587	0.427	0.00267	Worker
R3340	487,990	3,626,587	0.473	0.00296	Worker
R3341	488,015	3,626,587	0.539	0.00338	Worker
R3342	488,040	3,626,587	0.638	0.00400	Worker
R3343	488,240	3,626,587	1.006	0.00630	Worker
R3344	488,265	3,626,587	1.048	0.00657	Worker
R3345	488,290	3,626,587	1.081	0.00678	Worker
R3346	488,565	3,626,587	1.121	0.00703	Worker
R3347	488,590	3,626,587	1.128	0.00706	Worker
R3348	488,615	3,626,587	1.147	0.00719	Worker
R3349	488,640	3,626,587	1.161	0.00727	Worker
R3350	488,665	3,626,587	1.162	0.00728	Worker
R3351	488,690	3,626,587	1.172	0.00734	Worker
R3352	488,715	3,626,587	1.185	0.00742	Worker
R3353	488,740	3,626,587	1.186	0.00743	Worker
R3354	488,765	3,626,587	1.190	0.00746	Worker
R3355	488,790	3,626,587	1.194	0.00748	Worker
R3356	488,815	3,626,587	1.195	0.00749	Worker
R3357	488,840	3,626,587	1.196	0.00749	Worker
R3358	488,865	3,626,587	1.196	0.00750	Worker
R3359	488,890	3,626,587	1.195	0.00749	Worker
R3360	488,915	3,626,587	1.193	0.00748	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3361	488,940	3,626,587	1.191	0.00746	Worker
R3362	488,965	3,626,587	1.194	0.00748	Worker
R3363	488,990	3,626,587	1.192	0.00747	Worker
R3364	489,015	3,626,587	1.185	0.00743	Worker
R3365	489,040	3,626,587	1.181	0.00740	Worker
R3366	489,065	3,626,587	1.176	0.00737	Worker
R3367	489,090	3,626,587	1.164	0.00729	Worker
R3368	489,115	3,626,587	1.155	0.00724	Worker
R3369	489,140	3,626,587	1.144	0.00717	Worker
R3370	489,165	3,626,587	1.130	0.00708	Worker
R3371	489,190	3,626,587	1.115	0.00699	Worker
R3372	489,215	3,626,587	1.111	0.00696	Worker
R3373	489,240	3,626,587	1.107	0.00694	Worker
R3374	489,265	3,626,587	1.100	0.00689	Worker
R3375	489,290	3,626,587	1.091	0.00683	Worker
R3376	489,315	3,626,587	1.088	0.00682	Worker
R3377	489,340	3,626,587	1.084	0.00679	Worker
R3378	489,365	3,626,587	1.071	0.00671	Worker
R3379	489,390	3,626,587	1.069	0.00669	Worker
R3380	489,415	3,626,587	1.079	0.00676	Worker
R3381	489,440	3,626,587	1.065	0.00667	Worker
R3382	489,465	3,626,587	1.057	0.00662	Worker
R3383	487,515	3,626,562	1.448	0.00115	Resident
R3384	487,540	3,626,562	1.489	0.00118	Resident
R3385	487,565	3,626,562	1.537	0.00122	Resident
R3386	487,590	3,626,562	0.201	0.00126	Worker
R3387	487,615	3,626,562	0.208	0.00130	Worker
R3388	487,640	3,626,562	0.214	0.00134	Worker
R3389	487,665	3,626,562	1.753	0.00139	Resident
R3390	487,690	3,626,562	1.814	0.00144	Resident
R3391	487,715	3,626,562	1.880	0.00149	Resident
R3392	487,740	3,626,562	1.956	0.00155	Resident
R3393	487,765	3,626,562	2.039	0.00162	Resident
R3394	487,790	3,626,562	2.128	0.00169	Resident
R3395	487,815	3,626,562	2.225	0.00176	Resident
R3396	487,840	3,626,562	2.327	0.00185	Resident
R3397	487,865	3,626,562	0.311	0.00195	Worker
R3398	487,890	3,626,562	0.328	0.00205	Worker
R3399	487,915	3,626,562	0.347	0.00217	Worker
R3400	487,940	3,626,562	0.366	0.00229	Worker
R3401	487,965	3,626,562	0.388	0.00243	Worker
R3402	487,990	3,626,562	0.419	0.00263	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3403	488,015	3,626,562	0.456	0.00285	Worker
R3404	488,040	3,626,562	0.508	0.00318	Worker
R3405	488,065	3,626,562	0.569	0.00356	Worker
R3406	488,215	3,626,562	0.836	0.00524	Worker
R3407	488,240	3,626,562	0.884	0.00554	Worker
R3408	488,265	3,626,562	0.902	0.00565	Worker
R3409	488,290	3,626,562	0.915	0.00573	Worker
R3410	488,315	3,626,562	0.929	0.00582	Worker
R3411	488,515	3,626,562	1.000	0.00626	Worker
R3412	488,540	3,626,562	1.006	0.00630	Worker
R3413	488,565	3,626,562	1.017	0.00637	Worker
R3414	488,590	3,626,562	1.040	0.00652	Worker
R3415	488,615	3,626,562	1.049	0.00657	Worker
R3416	488,640	3,626,562	1.055	0.00661	Worker
R3417	488,665	3,626,562	1.074	0.00673	Worker
R3418	488,690	3,626,562	1.081	0.00677	Worker
R3419	488,715	3,626,562	1.086	0.00680	Worker
R3420	488,740	3,626,562	1.094	0.00686	Worker
R3421	488,765	3,626,562	1.098	0.00688	Worker
R3422	488,790	3,626,562	1.102	0.00690	Worker
R3423	488,815	3,626,562	1.105	0.00692	Worker
R3424	488,840	3,626,562	1.107	0.00693	Worker
R3425	488,865	3,626,562	1.109	0.00695	Worker
R3426	488,890	3,626,562	1.110	0.00696	Worker
R3427	488,915	3,626,562	1.108	0.00694	Worker
R3428	488,940	3,626,562	1.104	0.00692	Worker
R3429	488,965	3,626,562	1.107	0.00694	Worker
R3430	488,990	3,626,562	1.104	0.00692	Worker
R3431	489,015	3,626,562	1.089	0.00682	Worker
R3432	489,040	3,626,562	1.087	0.00681	Worker
R3433	489,065	3,626,562	1.080	0.00677	Worker
R3434	489,090	3,626,562	1.077	0.00675	Worker
R3435	489,115	3,626,562	1.058	0.00663	Worker
R3436	489,140	3,626,562	1.043	0.00653	Worker
R3437	489,165	3,626,562	1.033	0.00647	Worker
R3438	489,190	3,626,562	1.023	0.00641	Worker
R3439	489,215	3,626,562	1.033	0.00647	Worker
R3440	489,240	3,626,562	0.993	0.00622	Worker
R3441	489,265	3,626,562	0.926	0.00580	Worker
R3442	489,290	3,626,562	0.912	0.00571	Worker
R3443	489,315	3,626,562	0.899	0.00563	Worker
R3444	489,340	3,626,562	0.889	0.00557	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3445	489,365	3,626,562	0.875	0.00548	Worker
R3446	487,540	3,626,537	1.469	0.00117	Resident
R3447	487,565	3,626,537	1.512	0.00120	Resident
R3448	487,590	3,626,537	1.560	0.00124	Resident
R3449	487,615	3,626,537	0.204	0.00128	Worker
R3450	487,640	3,626,537	0.210	0.00132	Worker
R3451	487,665	3,626,537	1.713	0.00136	Resident
R3452	487,690	3,626,537	1.772	0.00141	Resident
R3453	487,715	3,626,537	1.837	0.00146	Resident
R3454	487,740	3,626,537	1.904	0.00151	Resident
R3455	487,765	3,626,537	1.979	0.00157	Resident
R3456	487,790	3,626,537	2.060	0.00163	Resident
R3457	487,815	3,626,537	2.144	0.00170	Resident
R3458	487,840	3,626,537	2.234	0.00177	Resident
R3459	487,865	3,626,537	2.338	0.00185	Resident
R3460	487,890	3,626,537	0.309	0.00194	Worker
R3461	487,915	3,626,537	0.322	0.00202	Worker
R3462	487,940	3,626,537	0.338	0.00212	Worker
R3463	487,965	3,626,537	0.357	0.00224	Worker
R3464	487,990	3,626,537	0.378	0.00237	Worker
R3465	488,015	3,626,537	0.404	0.00253	Worker
R3466	488,040	3,626,537	0.435	0.00273	Worker
R3467	488,065	3,626,537	0.474	0.00297	Worker
R3468	488,090	3,626,537	0.517	0.00324	Worker
R3469	488,190	3,626,537	0.675	0.00423	Worker
R3470	488,215	3,626,537	0.721	0.00451	Worker
R3471	488,240	3,626,537	0.746	0.00467	Worker
R3472	488,265	3,626,537	0.770	0.00482	Worker
R3473	488,290	3,626,537	0.788	0.00493	Worker
R3474	488,315	3,626,537	0.803	0.00503	Worker
R3475	488,490	3,626,537	0.889	0.00557	Worker
R3476	488,515	3,626,537	0.899	0.00563	Worker
R3477	488,540	3,626,537	0.919	0.00576	Worker
R3478	488,565	3,626,537	0.936	0.00587	Worker
R3479	488,590	3,626,537	0.946	0.00592	Worker
R3480	488,615	3,626,537	0.960	0.00601	Worker
R3481	488,640	3,626,537	0.977	0.00612	Worker
R3482	488,665	3,626,537	0.984	0.00616	Worker
R3483	488,690	3,626,537	0.994	0.00623	Worker
R3484	488,715	3,626,537	1.001	0.00627	Worker
R3485	488,740	3,626,537	1.007	0.00631	Worker
R3486	488,765	3,626,537	1.009	0.00632	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3487	488,790	3,626,537	1.012	0.00634	Worker
R3488	488,815	3,626,537	1.019	0.00638	Worker
R3489	488,840	3,626,537	1.018	0.00637	Worker
R3490	488,865	3,626,537	1.023	0.00641	Worker
R3491	488,890	3,626,537	1.026	0.00643	Worker
R3492	488,915	3,626,537	0.993	0.00622	Worker
R3493	488,940	3,626,537	0.990	0.00620	Worker
R3494	488,965	3,626,537	0.980	0.00614	Worker
R3495	488,990	3,626,537	0.970	0.00608	Worker
R3496	489,015	3,626,537	0.964	0.00604	Worker
R3497	489,040	3,626,537	0.948	0.00594	Worker
R3498	489,065	3,626,537	7.399	0.00587	Resident
R3499	489,090	3,626,537	7.128	0.00565	Resident
R3500	489,115	3,626,537	0.873	0.00547	Worker
R3501	489,140	3,626,537	0.845	0.00529	Worker
R3502	489,165	3,626,537	0.842	0.00527	Worker
R3503	487,540	3,626,512	1.445	0.00115	Resident
R3504	487,565	3,626,512	1.487	0.00118	Resident
R3505	487,590	3,626,512	1.530	0.00121	Resident
R3506	487,615	3,626,512	1.575	0.00125	Resident
R3507	487,640	3,626,512	1.623	0.00129	Resident
R3508	487,665	3,626,512	1.675	0.00133	Resident
R3509	487,690	3,626,512	1.727	0.00137	Resident
R3510	487,715	3,626,512	1.785	0.00142	Resident
R3511	487,740	3,626,512	1.847	0.00146	Resident
R3512	487,765	3,626,512	1.912	0.00152	Resident
R3513	487,790	3,626,512	1.982	0.00157	Resident
R3514	487,815	3,626,512	2.058	0.00163	Resident
R3515	487,840	3,626,512	0.269	0.00168	Worker
R3516	487,865	3,626,512	0.278	0.00174	Worker
R3517	487,890	3,626,512	0.291	0.00182	Worker
R3518	487,915	3,626,512	0.303	0.00190	Worker
R3519	487,940	3,626,512	0.316	0.00198	Worker
R3520	487,965	3,626,512	0.330	0.00207	Worker
R3521	487,990	3,626,512	0.346	0.00217	Worker
R3522	488,015	3,626,512	0.363	0.00227	Worker
R3523	488,040	3,626,512	0.388	0.00243	Worker
R3524	488,065	3,626,512	0.414	0.00259	Worker
R3525	488,090	3,626,512	0.443	0.00278	Worker
R3526	488,115	3,626,512	0.480	0.00301	Worker
R3527	488,140	3,626,512	0.506	0.00317	Worker
R3528	488,165	3,626,512	0.551	0.00345	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3529	488,190	3,626,512	0.585	0.00367	Worker
R3530	488,215	3,626,512	0.618	0.00387	Worker
R3531	488,240	3,626,512	0.644	0.00403	Worker
R3532	488,265	3,626,512	0.669	0.00419	Worker
R3533	488,290	3,626,512	0.687	0.00431	Worker
R3534	488,315	3,626,512	0.703	0.00440	Worker
R3535	488,340	3,626,512	0.718	0.00450	Worker
R3536	488,465	3,626,512	0.789	0.00494	Worker
R3537	488,490	3,626,512	0.802	0.00503	Worker
R3538	488,515	3,626,512	0.827	0.00518	Worker
R3539	488,540	3,626,512	0.840	0.00526	Worker
R3540	488,565	3,626,512	0.852	0.00534	Worker
R3541	488,590	3,626,512	0.872	0.00547	Worker
R3542	488,615	3,626,512	0.884	0.00554	Worker
R3543	488,640	3,626,512	0.894	0.00560	Worker
R3544	488,665	3,626,512	0.906	0.00567	Worker
R3545	488,690	3,626,512	0.914	0.00573	Worker
R3546	488,715	3,626,512	0.919	0.00576	Worker
R3547	488,740	3,626,512	0.921	0.00577	Worker
R3548	488,765	3,626,512	0.926	0.00580	Worker
R3549	488,790	3,626,512	0.900	0.00564	Worker
R3550	488,815	3,626,512	0.904	0.00566	Worker
R3551	488,840	3,626,512	0.899	0.00563	Worker
R3552	488,865	3,626,512	0.884	0.00554	Worker
R3553	488,890	3,626,512	0.874	0.00548	Worker
R3554	488,915	3,626,512	6.670	0.00529	Resident
R3555	488,940	3,626,512	6.521	0.00517	Resident
R3556	488,965	3,626,512	6.349	0.00503	Resident
R3557	488,990	3,626,512	0.784	0.00491	Worker
R3558	489,015	3,626,512	0.761	0.00477	Worker
R3559	489,040	3,626,512	0.757	0.00474	Worker
R3560	489,065	3,626,512	5.687	0.00451	Resident
R3561	489,090	3,626,512	5.463	0.00433	Resident
R3562	487,540	3,626,487	1.420	0.00113	Resident
R3563	487,565	3,626,487	1.460	0.00116	Resident
R3564	487,590	3,626,487	1.500	0.00119	Resident
R3565	487,615	3,626,487	1.541	0.00122	Resident
R3566	487,640	3,626,487	1.587	0.00126	Resident
R3567	487,665	3,626,487	1.633	0.00130	Resident
R3568	487,690	3,626,487	1.680	0.00133	Resident
R3569	487,715	3,626,487	1.731	0.00137	Resident
R3570	487,740	3,626,487	1.788	0.00142	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3571	487,765	3,626,487	1.843	0.00146	Resident
R3572	487,790	3,626,487	0.239	0.00150	Worker
R3573	487,815	3,626,487	0.246	0.00154	Worker
R3574	487,840	3,626,487	0.255	0.00160	Worker
R3575	487,865	3,626,487	0.266	0.00167	Worker
R3576	487,890	3,626,487	0.274	0.00172	Worker
R3577	487,915	3,626,487	0.284	0.00178	Worker
R3578	487,940	3,626,487	0.295	0.00185	Worker
R3579	487,965	3,626,487	0.306	0.00192	Worker
R3580	487,990	3,626,487	0.319	0.00200	Worker
R3581	488,015	3,626,487	0.332	0.00208	Worker
R3582	488,040	3,626,487	0.351	0.00220	Worker
R3583	488,065	3,626,487	0.370	0.00232	Worker
R3584	488,090	3,626,487	0.392	0.00246	Worker
R3585	488,115	3,626,487	0.422	0.00264	Worker
R3586	488,140	3,626,487	0.453	0.00284	Worker
R3587	488,165	3,626,487	0.480	0.00301	Worker
R3588	488,190	3,626,487	0.511	0.00320	Worker
R3589	488,215	3,626,487	0.533	0.00334	Worker
R3590	488,240	3,626,487	0.565	0.00354	Worker
R3591	488,265	3,626,487	0.589	0.00369	Worker
R3592	488,290	3,626,487	0.607	0.00380	Worker
R3593	488,315	3,626,487	0.623	0.00390	Worker
R3594	488,340	3,626,487	0.638	0.00400	Worker
R3595	488,365	3,626,487	0.652	0.00408	Worker
R3596	488,390	3,626,487	0.668	0.00419	Worker
R3597	488,415	3,626,487	0.684	0.00428	Worker
R3598	488,440	3,626,487	0.697	0.00437	Worker
R3599	488,465	3,626,487	0.717	0.00449	Worker
R3600	488,490	3,626,487	0.739	0.00463	Worker
R3601	488,515	3,626,487	0.752	0.00471	Worker
R3602	488,540	3,626,487	0.768	0.00481	Worker
R3603	488,565	3,626,487	0.787	0.00493	Worker
R3604	488,590	3,626,487	0.798	0.00500	Worker
R3605	488,615	3,626,487	0.813	0.00509	Worker
R3606	488,640	3,626,487	0.823	0.00515	Worker
R3607	488,665	3,626,487	0.833	0.00522	Worker
R3608	488,690	3,626,487	0.836	0.00524	Worker
R3609	488,715	3,626,487	0.841	0.00527	Worker
R3610	488,740	3,626,487	0.816	0.00511	Worker
R3611	488,765	3,626,487	0.796	0.00499	Worker
R3612	488,790	3,626,487	0.808	0.00506	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3613	488,815	3,626,487	0.814	0.00510	Worker
R3614	488,840	3,626,487	0.781	0.00489	Worker
R3615	488,865	3,626,487	0.732	0.00459	Worker
R3616	488,890	3,626,487	0.704	0.00441	Worker
R3617	488,915	3,626,487	5.199	0.00412	Resident
R3618	488,940	3,626,487	4.930	0.00391	Resident
R3619	488,965	3,626,487	4.763	0.00378	Resident
R3620	488,990	3,626,487	0.582	0.00364	Worker
R3621	489,015	3,626,487	0.571	0.00358	Worker
R3622	487,540	3,626,462	1.394	0.00111	Resident
R3623	487,565	3,626,462	1.430	0.00113	Resident
R3624	487,590	3,626,462	1.468	0.00116	Resident
R3625	487,615	3,626,462	1.506	0.00119	Resident
R3626	487,640	3,626,462	1.546	0.00123	Resident
R3627	487,665	3,626,462	1.589	0.00126	Resident
R3628	487,690	3,626,462	1.633	0.00129	Resident
R3629	487,715	3,626,462	0.211	0.00132	Worker
R3630	487,740	3,626,462	0.216	0.00136	Worker
R3631	487,765	3,626,462	0.223	0.00139	Worker
R3632	487,790	3,626,462	0.229	0.00144	Worker
R3633	487,815	3,626,462	0.236	0.00148	Worker
R3634	487,840	3,626,462	0.244	0.00153	Worker
R3635	487,865	3,626,462	0.252	0.00158	Worker
R3636	487,890	3,626,462	0.260	0.00163	Worker
R3637	487,915	3,626,462	0.268	0.00168	Worker
R3638	487,940	3,626,462	0.276	0.00173	Worker
R3639	487,965	3,626,462	0.285	0.00179	Worker
R3640	487,990	3,626,462	0.295	0.00185	Worker
R3641	488,015	3,626,462	0.307	0.00192	Worker
R3642	488,040	3,626,462	0.321	0.00201	Worker
R3643	488,065	3,626,462	0.336	0.00210	Worker
R3644	488,090	3,626,462	0.356	0.00223	Worker
R3645	488,115	3,626,462	0.380	0.00238	Worker
R3646	488,140	3,626,462	0.402	0.00252	Worker
R3647	488,165	3,626,462	0.422	0.00264	Worker
R3648	488,190	3,626,462	0.446	0.00279	Worker
R3649	488,215	3,626,462	0.469	0.00294	Worker
R3650	488,240	3,626,462	0.502	0.00314	Worker
R3651	488,265	3,626,462	0.525	0.00329	Worker
R3652	488,290	3,626,462	0.543	0.00340	Worker
R3653	488,315	3,626,462	0.557	0.00349	Worker
R3654	488,340	3,626,462	0.572	0.00358	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3655	488,365	3,626,462	0.587	0.00368	Worker
R3656	488,390	3,626,462	0.601	0.00376	Worker
R3657	488,415	3,626,462	0.617	0.00387	Worker
R3658	488,440	3,626,462	0.639	0.00400	Worker
R3659	488,465	3,626,462	0.657	0.00411	Worker
R3660	488,490	3,626,462	0.671	0.00421	Worker
R3661	488,515	3,626,462	0.690	0.00433	Worker
R3662	488,540	3,626,462	0.705	0.00442	Worker
R3663	488,565	3,626,462	0.720	0.00451	Worker
R3664	488,590	3,626,462	0.734	0.00460	Worker
R3665	488,615	3,626,462	0.746	0.00467	Worker
R3666	488,640	3,626,462	0.756	0.00474	Worker
R3667	488,665	3,626,462	0.760	0.00476	Worker
R3668	488,690	3,626,462	0.769	0.00482	Worker
R3669	488,715	3,626,462	0.729	0.00457	Worker
R3670	488,740	3,626,462	0.725	0.00454	Worker
R3671	488,765	3,626,462	0.719	0.00451	Worker
R3672	488,790	3,626,462	0.719	0.00451	Worker
R3673	488,815	3,626,462	0.682	0.00427	Worker
R3674	488,840	3,626,462	0.624	0.00391	Worker
R3675	488,865	3,626,462	0.570	0.00357	Worker
R3676	488,890	3,626,462	4.231	0.00336	Resident
R3677	488,915	3,626,462	3.994	0.00317	Resident
R3678	488,940	3,626,462	3.925	0.00311	Resident
R3679	487,565	3,626,437	1.398	0.00111	Resident
R3680	487,590	3,626,437	1.432	0.00114	Resident
R3681	487,615	3,626,437	1.468	0.00116	Resident
R3682	487,640	3,626,437	1.503	0.00119	Resident
R3683	487,665	3,626,437	0.194	0.00121	Worker
R3684	487,690	3,626,437	0.198	0.00124	Worker
R3685	487,715	3,626,437	0.203	0.00127	Worker
R3686	487,740	3,626,437	0.209	0.00131	Worker
R3687	487,765	3,626,437	0.214	0.00134	Worker
R3688	487,790	3,626,437	0.220	0.00138	Worker
R3689	487,815	3,626,437	0.226	0.00142	Worker
R3690	487,840	3,626,437	0.233	0.00146	Worker
R3691	487,865	3,626,437	0.239	0.00150	Worker
R3692	487,890	3,626,437	0.246	0.00154	Worker
R3693	487,915	3,626,437	0.253	0.00158	Worker
R3694	487,940	3,626,437	0.259	0.00162	Worker
R3695	487,965	3,626,437	0.267	0.00167	Worker
R3696	487,990	3,626,437	0.275	0.00172	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3697	488,015	3,626,437	0.285	0.00178	Worker
R3698	488,040	3,626,437	0.297	0.00186	Worker
R3699	488,065	3,626,437	0.309	0.00194	Worker
R3700	488,090	3,626,437	0.329	0.00206	Worker
R3701	488,115	3,626,437	0.345	0.00216	Worker
R3702	488,140	3,626,437	0.362	0.00227	Worker
R3703	488,165	3,626,437	0.379	0.00237	Worker
R3704	488,190	3,626,437	0.398	0.00249	Worker
R3705	488,215	3,626,437	0.417	0.00261	Worker
R3706	488,240	3,626,437	0.444	0.00278	Worker
R3707	488,265	3,626,437	0.473	0.00296	Worker
R3708	488,290	3,626,437	0.491	0.00307	Worker
R3709	488,315	3,626,437	0.502	0.00314	Worker
R3710	488,340	3,626,437	0.516	0.00323	Worker
R3711	488,365	3,626,437	0.531	0.00332	Worker
R3712	488,390	3,626,437	0.546	0.00342	Worker
R3713	488,415	3,626,437	0.567	0.00355	Worker
R3714	488,440	3,626,437	0.583	0.00365	Worker
R3715	488,465	3,626,437	0.599	0.00375	Worker
R3716	488,490	3,626,437	0.617	0.00386	Worker
R3717	488,515	3,626,437	0.631	0.00395	Worker
R3718	488,540	3,626,437	0.650	0.00407	Worker
R3719	488,565	3,626,437	0.662	0.00415	Worker
R3720	488,590	3,626,437	0.675	0.00423	Worker
R3721	488,615	3,626,437	0.683	0.00428	Worker
R3722	488,640	3,626,437	0.693	0.00434	Worker
R3723	488,665	3,626,437	0.664	0.00416	Worker
R3724	488,690	3,626,437	0.648	0.00406	Worker
R3725	488,715	3,626,437	0.652	0.00408	Worker
R3726	488,740	3,626,437	0.648	0.00406	Worker
R3727	488,765	3,626,437	0.634	0.00397	Worker
R3728	488,790	3,626,437	0.606	0.00380	Worker
R3729	488,815	3,626,437	4.261	0.00338	Resident
R3730	488,840	3,626,437	3.750	0.00297	Resident
R3731	488,865	3,626,437	3.552	0.00282	Resident
R3732	487,565	3,626,412	1.363	0.00108	Resident
R3733	487,590	3,626,412	0.176	0.00110	Worker
R3734	487,615	3,626,412	0.179	0.00112	Worker
R3735	487,640	3,626,412	0.183	0.00115	Worker
R3736	487,665	3,626,412	0.187	0.00117	Worker
R3737	487,690	3,626,412	0.192	0.00120	Worker
R3738	487,715	3,626,412	0.197	0.00123	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3739	487,740	3,626,412	0.202	0.00126	Worker
R3740	487,765	3,626,412	0.206	0.00129	Worker
R3741	487,790	3,626,412	0.211	0.00132	Worker
R3742	487,815	3,626,412	0.217	0.00136	Worker
R3743	487,840	3,626,412	0.222	0.00139	Worker
R3744	487,865	3,626,412	0.227	0.00142	Worker
R3745	487,890	3,626,412	0.233	0.00146	Worker
R3746	487,915	3,626,412	0.238	0.00149	Worker
R3747	487,940	3,626,412	0.245	0.00153	Worker
R3748	487,965	3,626,412	0.251	0.00157	Worker
R3749	487,990	3,626,412	0.259	0.00162	Worker
R3750	488,015	3,626,412	0.269	0.00168	Worker
R3751	488,040	3,626,412	0.280	0.00176	Worker
R3752	488,065	3,626,412	0.291	0.00182	Worker
R3753	488,090	3,626,412	0.303	0.00190	Worker
R3754	488,115	3,626,412	0.316	0.00198	Worker
R3755	488,140	3,626,412	0.330	0.00207	Worker
R3756	488,165	3,626,412	0.345	0.00216	Worker
R3757	488,190	3,626,412	0.361	0.00226	Worker
R3758	488,215	3,626,412	0.378	0.00237	Worker
R3759	488,240	3,626,412	0.396	0.00248	Worker
R3760	488,265	3,626,412	0.421	0.00263	Worker
R3761	488,290	3,626,412	0.445	0.00279	Worker
R3762	488,315	3,626,412	0.458	0.00287	Worker
R3763	488,340	3,626,412	0.469	0.00294	Worker
R3764	488,365	3,626,412	0.484	0.00303	Worker
R3765	488,390	3,626,412	0.500	0.00313	Worker
R3766	488,415	3,626,412	0.516	0.00323	Worker
R3767	488,440	3,626,412	0.533	0.00334	Worker
R3768	488,465	3,626,412	0.548	0.00343	Worker
R3769	488,490	3,626,412	0.566	0.00355	Worker
R3770	488,515	3,626,412	0.583	0.00365	Worker
R3771	488,540	3,626,412	0.596	0.00374	Worker
R3772	488,565	3,626,412	0.609	0.00382	Worker
R3773	488,590	3,626,412	0.619	0.00388	Worker
R3774	488,615	3,626,412	0.629	0.00394	Worker
R3775	488,640	3,626,412	0.639	0.00400	Worker
R3776	488,665	3,626,412	0.592	0.00371	Worker
R3777	488,690	3,626,412	0.581	0.00364	Worker
R3778	488,715	3,626,412	0.581	0.00364	Worker
R3779	488,740	3,626,412	0.558	0.00349	Worker
R3780	488,765	3,626,412	0.517	0.00324	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3781	488,790	3,626,412	0.516	0.00323	Worker
R3782	488,815	3,626,412	3.490	0.00277	Resident
R3783	487,590	3,626,387	0.170	0.00106	Worker
R3784	487,615	3,626,387	0.174	0.00109	Worker
R3785	487,640	3,626,387	0.178	0.00111	Worker
R3786	487,665	3,626,387	0.182	0.00114	Worker
R3787	487,690	3,626,387	0.186	0.00116	Worker
R3788	487,715	3,626,387	0.190	0.00119	Worker
R3789	487,740	3,626,387	0.194	0.00122	Worker
R3790	487,765	3,626,387	0.198	0.00124	Worker
R3791	487,790	3,626,387	0.203	0.00127	Worker
R3792	487,815	3,626,387	0.208	0.00130	Worker
R3793	487,840	3,626,387	0.212	0.00133	Worker
R3794	487,865	3,626,387	0.216	0.00136	Worker
R3795	487,890	3,626,387	0.221	0.00139	Worker
R3796	487,915	3,626,387	0.226	0.00142	Worker
R3797	487,940	3,626,387	0.232	0.00145	Worker
R3798	487,965	3,626,387	0.237	0.00148	Worker
R3799	487,990	3,626,387	0.245	0.00153	Worker
R3800	488,015	3,626,387	0.254	0.00159	Worker
R3801	488,040	3,626,387	0.262	0.00164	Worker
R3802	488,065	3,626,387	0.271	0.00170	Worker
R3803	488,090	3,626,387	0.282	0.00177	Worker
R3804	488,115	3,626,387	0.293	0.00183	Worker
R3805	488,140	3,626,387	0.305	0.00191	Worker
R3806	488,165	3,626,387	0.318	0.00199	Worker
R3807	488,190	3,626,387	0.331	0.00207	Worker
R3808	488,215	3,626,387	0.345	0.00216	Worker
R3809	488,240	3,626,387	0.361	0.00226	Worker
R3810	488,265	3,626,387	0.379	0.00237	Worker
R3811	488,290	3,626,387	0.404	0.00253	Worker
R3812	488,315	3,626,387	0.419	0.00263	Worker
R3813	488,340	3,626,387	0.426	0.00267	Worker
R3814	488,365	3,626,387	0.441	0.00276	Worker
R3815	488,390	3,626,387	0.457	0.00286	Worker
R3816	488,415	3,626,387	0.472	0.00296	Worker
R3817	488,440	3,626,387	0.487	0.00305	Worker
R3818	488,465	3,626,387	0.508	0.00318	Worker
R3819	488,490	3,626,387	0.523	0.00328	Worker
R3820	488,515	3,626,387	0.535	0.00335	Worker
R3821	488,540	3,626,387	0.548	0.00343	Worker
R3822	488,565	3,626,387	0.559	0.00350	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3823	488,590	3,626,387	0.568	0.00356	Worker
R3824	488,615	3,626,387	0.530	0.00332	Worker
R3825	488,640	3,626,387	0.521	0.00326	Worker
R3826	488,665	3,626,387	0.522	0.00327	Worker
R3827	488,690	3,626,387	0.493	0.00309	Worker
R3828	488,715	3,626,387	0.461	0.00289	Worker
R3829	488,740	3,626,387	0.437	0.00274	Worker
R3830	487,615	3,626,362	0.169	0.00106	Worker
R3831	487,640	3,626,362	0.172	0.00108	Worker
R3832	487,665	3,626,362	0.176	0.00110	Worker
R3833	487,690	3,626,362	0.180	0.00113	Worker
R3834	487,715	3,626,362	0.183	0.00115	Worker
R3835	487,740	3,626,362	0.187	0.00117	Worker
R3836	487,765	3,626,362	0.191	0.00120	Worker
R3837	487,790	3,626,362	0.195	0.00122	Worker
R3838	487,815	3,626,362	0.199	0.00125	Worker
R3839	487,840	3,626,362	0.203	0.00127	Worker
R3840	487,865	3,626,362	0.207	0.00130	Worker
R3841	487,890	3,626,362	0.211	0.00132	Worker
R3842	487,915	3,626,362	0.215	0.00135	Worker
R3843	487,940	3,626,362	0.220	0.00138	Worker
R3844	487,965	3,626,362	0.225	0.00141	Worker
R3845	487,990	3,626,362	0.233	0.00146	Worker
R3846	488,015	3,626,362	0.239	0.00150	Worker
R3847	488,040	3,626,362	0.246	0.00154	Worker
R3848	488,065	3,626,362	0.255	0.00160	Worker
R3849	488,090	3,626,362	0.264	0.00166	Worker
R3850	488,115	3,626,362	0.274	0.00172	Worker
R3851	488,140	3,626,362	0.285	0.00179	Worker
R3852	488,165	3,626,362	0.297	0.00186	Worker
R3853	488,190	3,626,362	0.308	0.00193	Worker
R3854	488,215	3,626,362	0.319	0.00200	Worker
R3855	488,240	3,626,362	0.334	0.00209	Worker
R3856	488,265	3,626,362	0.346	0.00217	Worker
R3857	488,290	3,626,362	0.361	0.00226	Worker
R3858	488,315	3,626,362	0.375	0.00235	Worker
R3859	488,340	3,626,362	0.390	0.00244	Worker
R3860	488,365	3,626,362	0.404	0.00253	Worker
R3861	488,390	3,626,362	0.419	0.00262	Worker
R3862	488,415	3,626,362	0.435	0.00272	Worker
R3863	488,440	3,626,362	0.454	0.00284	Worker
R3864	488,465	3,626,362	0.469	0.00294	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3865	488,490	3,626,362	0.480	0.00300	Worker
R3866	488,515	3,626,362	0.492	0.00308	Worker
R3867	488,540	3,626,362	0.504	0.00316	Worker
R3868	488,565	3,626,362	0.515	0.00323	Worker
R3869	488,590	3,626,362	0.468	0.00293	Worker
R3870	488,615	3,626,362	0.462	0.00289	Worker
R3871	488,640	3,626,362	0.436	0.00273	Worker
R3872	488,665	3,626,362	0.403	0.00252	Worker
R3873	488,690	3,626,362	0.381	0.00239	Worker
R3874	487,615	3,626,337	0.164	0.00103	Worker
R3875	487,640	3,626,337	0.167	0.00105	Worker
R3876	487,665	3,626,337	0.171	0.00107	Worker
R3877	487,690	3,626,337	0.174	0.00109	Worker
R3878	487,715	3,626,337	0.177	0.00111	Worker
R3879	487,740	3,626,337	0.181	0.00113	Worker
R3880	487,765	3,626,337	0.184	0.00115	Worker
R3881	487,790	3,626,337	0.187	0.00117	Worker
R3882	487,815	3,626,337	0.191	0.00119	Worker
R3883	487,840	3,626,337	0.194	0.00122	Worker
R3884	487,865	3,626,337	0.198	0.00124	Worker
R3885	487,890	3,626,337	0.201	0.00126	Worker
R3886	487,915	3,626,337	0.205	0.00128	Worker
R3887	487,940	3,626,337	0.209	0.00131	Worker
R3888	487,965	3,626,337	0.214	0.00134	Worker
R3889	487,990	3,626,337	0.220	0.00138	Worker
R3890	488,015	3,626,337	0.226	0.00141	Worker
R3891	488,040	3,626,337	0.232	0.00145	Worker
R3892	488,065	3,626,337	0.240	0.00151	Worker
R3893	488,090	3,626,337	0.248	0.00155	Worker
R3894	488,115	3,626,337	0.256	0.00161	Worker
R3895	488,140	3,626,337	0.266	0.00166	Worker
R3896	488,165	3,626,337	0.276	0.00173	Worker
R3897	488,190	3,626,337	0.286	0.00179	Worker
R3898	488,215	3,626,337	0.297	0.00186	Worker
R3899	488,240	3,626,337	0.306	0.00192	Worker
R3900	488,265	3,626,337	0.320	0.00200	Worker
R3901	488,290	3,626,337	0.333	0.00208	Worker
R3902	488,315	3,626,337	0.346	0.00217	Worker
R3903	488,340	3,626,337	0.359	0.00225	Worker
R3904	488,365	3,626,337	0.372	0.00233	Worker
R3905	488,390	3,626,337	0.386	0.00242	Worker
R3906	488,415	3,626,337	0.406	0.00254	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project
 San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3907	488,440	3,626,337	0.420	0.00263	Worker
R3908	488,465	3,626,337	0.430	0.00269	Worker
R3909	488,490	3,626,337	0.441	0.00276	Worker
R3910	488,515	3,626,337	0.454	0.00284	Worker
R3911	488,540	3,626,337	0.430	0.00269	Worker
R3912	488,565	3,626,337	0.404	0.00253	Worker
R3913	488,590	3,626,337	0.380	0.00238	Worker
R3914	488,615	3,626,337	0.351	0.00220	Worker
R3915	488,640	3,626,337	0.322	0.00202	Worker
R3916	487,640	3,626,312	0.162	0.00102	Worker
R3917	487,665	3,626,312	0.165	0.00103	Worker
R3918	487,690	3,626,312	0.168	0.00105	Worker
R3919	487,715	3,626,312	0.171	0.00107	Worker
R3920	487,740	3,626,312	0.174	0.00109	Worker
R3921	487,765	3,626,312	0.177	0.00111	Worker
R3922	487,790	3,626,312	0.180	0.00113	Worker
R3923	487,815	3,626,312	0.183	0.00114	Worker
R3924	487,840	3,626,312	0.186	0.00116	Worker
R3925	487,865	3,626,312	0.189	0.00118	Worker
R3926	487,890	3,626,312	0.192	0.00120	Worker
R3927	487,915	3,626,312	0.195	0.00122	Worker
R3928	487,940	3,626,312	0.199	0.00125	Worker
R3929	487,965	3,626,312	0.205	0.00128	Worker
R3930	487,990	3,626,312	0.209	0.00131	Worker
R3931	488,015	3,626,312	0.213	0.00134	Worker
R3932	488,040	3,626,312	0.219	0.00137	Worker
R3933	488,065	3,626,312	0.227	0.00142	Worker
R3934	488,090	3,626,312	0.233	0.00146	Worker
R3935	488,115	3,626,312	0.239	0.00150	Worker
R3936	488,140	3,626,312	0.247	0.00155	Worker
R3937	488,165	3,626,312	0.256	0.00161	Worker
R3938	488,190	3,626,312	0.265	0.00166	Worker
R3939	488,215	3,626,312	0.274	0.00172	Worker
R3940	488,240	3,626,312	0.286	0.00179	Worker
R3941	488,265	3,626,312	0.297	0.00186	Worker
R3942	488,290	3,626,312	0.309	0.00193	Worker
R3943	488,315	3,626,312	0.320	0.00201	Worker
R3944	488,340	3,626,312	0.334	0.00209	Worker
R3945	488,365	3,626,312	0.351	0.00220	Worker
R3946	488,390	3,626,312	0.362	0.00227	Worker
R3947	488,415	3,626,312	0.376	0.00235	Worker
R3948	488,440	3,626,312	0.388	0.00243	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3949	488,465	3,626,312	0.362	0.00227	Worker
R3950	488,490	3,626,312	0.373	0.00233	Worker
R3951	488,515	3,626,312	0.374	0.00234	Worker
R3952	488,540	3,626,312	0.337	0.00211	Worker
R3953	488,565	3,626,312	0.311	0.00195	Worker
R3954	487,665	3,626,287	0.160	0.00100	Worker
R3955	487,690	3,626,287	0.162	0.00102	Worker
R3956	487,715	3,626,287	0.165	0.00103	Worker
R3957	487,740	3,626,287	0.167	0.00105	Worker
R3958	487,765	3,626,287	0.170	0.00107	Worker
R3959	487,790	3,626,287	0.173	0.00108	Worker
R3960	487,815	3,626,287	0.175	0.00110	Worker
R3961	487,840	3,626,287	0.178	0.00111	Worker
R3962	487,865	3,626,287	0.181	0.00113	Worker
R3963	487,890	3,626,287	0.184	0.00115	Worker
R3964	487,915	3,626,287	0.187	0.00117	Worker
R3965	487,940	3,626,287	0.191	0.00120	Worker
R3966	487,965	3,626,287	0.195	0.00122	Worker
R3967	487,990	3,626,287	0.198	0.00124	Worker
R3968	488,015	3,626,287	0.203	0.00127	Worker
R3969	488,040	3,626,287	0.208	0.00130	Worker
R3970	488,065	3,626,287	0.215	0.00134	Worker
R3971	488,090	3,626,287	0.220	0.00138	Worker
R3972	488,115	3,626,287	0.226	0.00142	Worker
R3973	488,140	3,626,287	0.232	0.00146	Worker
R3974	488,165	3,626,287	0.239	0.00150	Worker
R3975	488,190	3,626,287	0.249	0.00156	Worker
R3976	488,215	3,626,287	0.258	0.00162	Worker
R3977	488,240	3,626,287	0.268	0.00168	Worker
R3978	488,265	3,626,287	0.277	0.00174	Worker
R3979	488,290	3,626,287	0.287	0.00180	Worker
R3980	488,315	3,626,287	0.299	0.00187	Worker
R3981	488,340	3,626,287	0.311	0.00195	Worker
R3982	488,365	3,626,287	0.326	0.00204	Worker
R3983	488,390	3,626,287	0.337	0.00211	Worker
R3984	488,415	3,626,287	0.351	0.00220	Worker
R3985	488,440	3,626,287	0.360	0.00225	Worker
R3986	488,465	3,626,287	0.325	0.00204	Worker
R3987	488,490	3,626,287	0.336	0.00211	Worker
R3988	488,515	3,626,287	0.317	0.00199	Worker
R3989	487,690	3,626,262	0.157	0.00098	Worker
R3990	487,715	3,626,262	0.159	0.00100	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled ReceptorsSDSU Mission Valley Campus Master Plan Project
San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R3991	487,740	3,626,262	0.161	0.00101	Worker
R3992	487,765	3,626,262	0.164	0.00102	Worker
R3993	487,790	3,626,262	0.166	0.00104	Worker
R3994	487,815	3,626,262	0.169	0.00106	Worker
R3995	487,840	3,626,262	0.171	0.00107	Worker
R3996	487,865	3,626,262	0.174	0.00109	Worker
R3997	487,890	3,626,262	0.177	0.00111	Worker
R3998	487,915	3,626,262	0.180	0.00113	Worker
R3999	487,940	3,626,262	0.183	0.00115	Worker
R4000	487,965	3,626,262	0.186	0.00116	Worker
R4001	487,990	3,626,262	0.189	0.00119	Worker
R4002	488,015	3,626,262	0.193	0.00121	Worker
R4003	488,040	3,626,262	0.198	0.00124	Worker
R4004	488,065	3,626,262	0.202	0.00126	Worker
R4005	488,090	3,626,262	0.207	0.00130	Worker
R4006	488,115	3,626,262	0.212	0.00133	Worker
R4007	488,140	3,626,262	0.220	0.00138	Worker
R4008	488,165	3,626,262	0.227	0.00142	Worker
R4009	488,190	3,626,262	0.235	0.00147	Worker
R4010	488,215	3,626,262	0.243	0.00152	Worker
R4011	488,240	3,626,262	0.251	0.00157	Worker
R4012	488,265	3,626,262	0.259	0.00162	Worker
R4013	488,290	3,626,262	0.270	0.00169	Worker
R4014	488,315	3,626,262	0.281	0.00176	Worker
R4015	488,340	3,626,262	0.291	0.00182	Worker
R4016	488,365	3,626,262	0.304	0.00190	Worker
R4017	488,390	3,626,262	0.315	0.00197	Worker
R4018	488,415	3,626,262	0.327	0.00205	Worker
R4019	488,440	3,626,262	0.302	0.00189	Worker
R4020	488,465	3,626,262	0.302	0.00189	Worker
R4021	487,715	3,626,237	0.155	0.00097	Worker
R4022	487,740	3,626,237	0.157	0.00098	Worker
R4023	487,765	3,626,237	0.159	0.00100	Worker
R4024	487,790	3,626,237	0.161	0.00101	Worker
R4025	487,815	3,626,237	0.163	0.00102	Worker
R4026	487,840	3,626,237	0.165	0.00103	Worker
R4027	487,865	3,626,237	0.167	0.00105	Worker
R4028	487,890	3,626,237	0.169	0.00106	Worker
R4029	487,915	3,626,237	0.172	0.00108	Worker
R4030	487,940	3,626,237	0.175	0.00109	Worker
R4031	487,965	3,626,237	0.177	0.00111	Worker
R4032	487,990	3,626,237	0.181	0.00113	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4033	488,015	3,626,237	0.184	0.00115	Worker
R4034	488,040	3,626,237	0.188	0.00117	Worker
R4035	488,065	3,626,237	0.192	0.00120	Worker
R4036	488,090	3,626,237	0.197	0.00123	Worker
R4037	488,115	3,626,237	0.203	0.00127	Worker
R4038	488,140	3,626,237	0.209	0.00131	Worker
R4039	488,165	3,626,237	0.215	0.00135	Worker
R4040	488,190	3,626,237	0.221	0.00139	Worker
R4041	488,215	3,626,237	0.228	0.00143	Worker
R4042	488,240	3,626,237	0.237	0.00148	Worker
R4043	488,265	3,626,237	0.246	0.00154	Worker
R4044	488,290	3,626,237	0.255	0.00160	Worker
R4045	488,315	3,626,237	0.263	0.00165	Worker
R4046	488,340	3,626,237	0.274	0.00172	Worker
R4047	488,365	3,626,237	2.252	0.00179	Resident
R4048	488,390	3,626,237	2.339	0.00186	Resident
R4049	487,765	3,626,212	0.152	0.00095	Worker
R4050	487,790	3,626,212	0.154	0.00096	Worker
R4051	487,815	3,626,212	0.155	0.00097	Worker
R4052	487,840	3,626,212	0.157	0.00099	Worker
R4053	487,865	3,626,212	0.160	0.00100	Worker
R4054	487,890	3,626,212	0.162	0.00102	Worker
R4055	487,915	3,626,212	0.165	0.00103	Worker
R4056	487,940	3,626,212	0.167	0.00105	Worker
R4057	487,965	3,626,212	0.170	0.00106	Worker
R4058	487,990	3,626,212	0.172	0.00108	Worker
R4059	488,015	3,626,212	0.175	0.00110	Worker
R4060	488,040	3,626,212	0.179	0.00112	Worker
R4061	488,065	3,626,212	0.183	0.00115	Worker
R4062	488,090	3,626,212	0.188	0.00118	Worker
R4063	488,115	3,626,212	0.193	0.00121	Worker
R4064	488,140	3,626,212	0.198	0.00124	Worker
R4065	488,165	3,626,212	0.203	0.00127	Worker
R4066	488,190	3,626,212	0.209	0.00131	Worker
R4067	488,215	3,626,212	0.217	0.00136	Worker
R4068	488,240	3,626,212	0.224	0.00141	Worker
R4069	488,265	3,626,212	0.232	0.00145	Worker
R4070	488,290	3,626,212	0.240	0.00151	Worker
R4071	488,315	3,626,212	0.250	0.00156	Worker
R4072	488,340	3,626,212	2.047	0.00162	Resident
R4073	487,790	3,626,187	0.148	0.00093	Worker
R4074	487,815	3,626,187	0.150	0.00094	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4075	487,840	3,626,187	0.151	0.00095	Worker
R4076	487,865	3,626,187	0.154	0.00096	Worker
R4077	487,890	3,626,187	0.156	0.00098	Worker
R4078	487,915	3,626,187	0.158	0.00099	Worker
R4079	487,940	3,626,187	0.160	0.00100	Worker
R4080	487,965	3,626,187	0.162	0.00102	Worker
R4081	487,990	3,626,187	0.165	0.00103	Worker
R4082	488,015	3,626,187	0.168	0.00105	Worker
R4083	488,040	3,626,187	0.172	0.00108	Worker
R4084	488,065	3,626,187	0.175	0.00110	Worker
R4085	488,090	3,626,187	0.179	0.00112	Worker
R4086	488,115	3,626,187	0.183	0.00115	Worker
R4087	488,140	3,626,187	0.188	0.00118	Worker
R4088	488,165	3,626,187	0.193	0.00121	Worker
R4089	488,190	3,626,187	0.200	0.00125	Worker
R4090	488,215	3,626,187	0.206	0.00129	Worker
R4091	488,240	3,626,187	0.213	0.00134	Worker
R4092	488,265	3,626,187	0.221	0.00138	Worker
R4093	487,840	3,626,162	0.146	0.00092	Worker
R4094	487,865	3,626,162	0.148	0.00093	Worker
R4095	487,890	3,626,162	0.149	0.00094	Worker
R4096	487,915	3,626,162	0.152	0.00095	Worker
R4097	487,940	3,626,162	0.154	0.00097	Worker
R4098	487,965	3,626,162	0.157	0.00098	Worker
R4099	487,990	3,626,162	0.159	0.00100	Worker
R4100	488,015	3,626,162	0.161	0.00101	Worker
R4101	488,040	3,626,162	0.164	0.00103	Worker
R4102	488,065	3,626,162	0.168	0.00105	Worker
R4103	488,090	3,626,162	0.171	0.00107	Worker
R4104	488,115	3,626,162	0.175	0.00110	Worker
R4105	488,140	3,626,162	0.179	0.00112	Worker
R4106	488,165	3,626,162	0.185	0.00116	Worker
R4107	488,190	3,626,162	0.190	0.00119	Worker
R4108	488,215	3,626,162	0.196	0.00123	Worker
R4109	487,940	3,626,137	0.148	0.00093	Worker
R4110	487,965	3,626,137	0.150	0.00094	Worker
R4111	487,990	3,626,137	0.152	0.00095	Worker
R4112	488,015	3,626,137	0.155	0.00097	Worker
R4113	488,040	3,626,137	0.157	0.00099	Worker
R4114	488,065	3,626,137	0.160	0.00100	Worker
R4115	488,090	3,626,137	0.163	0.00102	Worker
R4116	488,115	3,626,137	0.167	0.00105	Worker

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4117	490,204	3,626,639	5.258	0.00417	Resident
R4118	487,345	3,628,021	0.461	0.00037	Resident
R4119	488,162	3,628,917	0.360	0.00029	Resident
R4120	488,196	3,628,754	0.418	0.00033	Resident
R4121	488,127	3,628,903	0.360	0.00029	Resident
R4122	488,032	3,628,022	0.854	0.00068	Resident
R4123	486,874	3,625,476	0.465	0.00037	Resident
R4124	486,905	3,625,506	0.474	0.00038	Resident
R4125	490,012	3,627,705	2.184	0.00173	Resident
R4126	491,055	3,627,964	0.790	0.00063	Resident
R4127	488,067	3,628,927	0.347	0.00028	Resident
R4128	486,418	3,628,085	0.239	0.00019	Resident
R4129	491,130	3,627,486	1.167	0.00093	Resident
R4130	491,069	3,627,486	1.249	0.00099	Resident
R4131	490,657	3,627,888	1.246	0.00099	Resident
R4132	490,813	3,627,391	1.885	0.00149	Resident
R4133	490,962	3,627,560	22.347	0.07089	Resident
R4134	487,412	3,628,335	0.426	0.00034	Resident
R4135	487,379	3,628,950	0.297	0.00024	Resident
R4136	488,925	3,624,863	1.395	0.00221	Resident
R4137	486,647	3,625,557	1.867	0.00296	Resident
R4138	488,234	3,628,435	0.594	0.00047	Resident
R4139	487,367	3,624,825	0.151	0.00012	Resident
R4140	490,073	3,625,213	0.803	0.00064	Resident
R4141	490,875	3,628,484	0.722	0.00057	Resident
R4142	489,586	3,625,075	2.331	0.00370	Resident
R4143	489,972	3,627,483	16.131	0.02558	Resident
R4144	488,891	3,624,982	0.371	0.00029	Resident
R4145	489,430	3,624,791	1.738	0.00276	Resident
R4146	488,613	3,624,907	0.286	0.00023	Resident
R4147	488,294	3,628,226	3.214	0.00510	Resident
R4148	486,647	3,625,557	1.867	0.00296	Resident
R4149	489,586	3,625,075	2.331	0.00370	Resident
R4150	486,483	3,627,634	2.392	0.00569	Resident
R4151	490,962	3,627,560	22.347	0.07089	Resident
R4152	489,430	3,624,791	1.738	0.00276	Resident
R4153	488,850	3,624,977	1.436	0.00228	Resident
R4154	486,483	3,627,634	2.392	0.00569	Resident
R4155	487,160	3,625,638	2.181	0.00346	Resident
R4156	487,160	3,625,638	2.181	0.00346	Resident
R4157	488,925	3,624,863	1.395	0.00221	Resident
R4158	488,147	3,629,281	0.282	0.00022	Resident

Table E-2. Mitigated Cancer Risk and Chronic Hazard Index at Modeled Receptors

SDSU Mission Valley Campus Master Plan Project

San Diego, California

Receptor ID	UTM Coordinates ¹ (m)		Cancer Risk (in a million) ²	Chronic Hazard Index ³	Receptor Type
	X Coordinate	Y Coordinate			
R4159	486,754	3,628,646	0.253	0.00020	Resident
R4160	488,294	3,628,226	3.214	0.00510	Resident
R4161	487,790	3,629,243	0.263	0.00021	Resident
R4162	487,299	3,625,240	0.205	0.00016	Resident
R4163	489,973	3,626,649	6.171	0.00489	Resident
R4164	486,800	3,625,574	0.489	0.00039	Resident
R4165	489,972	3,627,483	16.131	0.02558	Resident
R4166	490,962	3,627,560	22.347	0.07089	Resident
R4167	490,962	3,627,560	22.347	0.07089	Resident
R4168	488,685	3,624,881	0.298	0.00024	Resident
R4169	486,739	3,625,591	0.487	0.00039	Resident
R4170	486,483	3,627,634	2.392	0.00569	Resident
R4171	488,850	3,624,977	1.436	0.00228	Resident
R4172	491,068	3,628,189	0.703	0.00056	Resident
R4173	487,118	3,625,553	2.024	0.00321	Resident
R4174	490,456	3,627,560	2.144	0.00170	Resident
R4175	487,290	3,625,564	0.489	0.00039	Resident
R4176	488,316	3,626,243	2.116	0.00168	Resident
R4177	488,097	3,627,346	4.614	0.00366	Resident
R4178	488,923	3,626,578	9.148	0.00725	Resident
R4179	486,602	3,625,836	0.529	0.00042	Resident
R4180	488,265	3,627,333	12.016	0.00953	Resident
R4181	487,118	3,625,553	2.024	0.00321	Resident
R4182	489,083	3,626,832	19.025	0.01509	Resident
R4183	487,342	3,625,696	0.590	0.00047	Resident

Notes:¹ The projection datum is NAD-83.² Maximum incremental cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.³ The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration to the non-cancer chronic reference exposure level for each chemical.**Abbreviations:**

m - meter

NAD - North American Datum

UTM - Universal Transverse Mercator

SDSU - San Diego State University

APPENDIX F CO HOTSPOT ANALYSIS CALCULATIONS

List of Intersections

- 11. Stadium Way & Friars Rd
- 14. Street D & Street 4
- 17. I-15 SB Ramps & Friars Rd

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 11. Stadium Way/Friars Rd

Background Information

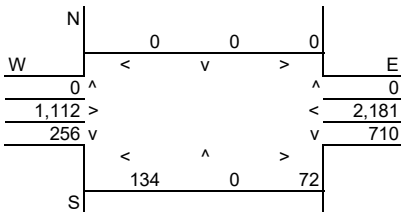
Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 1110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2018

Roadway Data

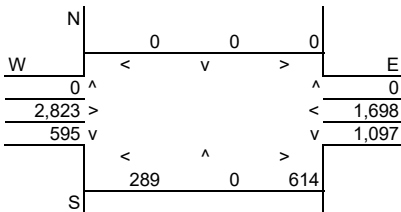
Intersection: 11. Stadium Way/Friars Rd
 Analysis Condition: Existing (2018) Plus Project Traffic Conditions

Roadway Type	No. of Lanes	Average Speed	
		A.M.	P.M.
North-South Roadway: Stadium Way	At Grade	2	5
East-West Roadway: Friars Rd	At Grade	6	5

A.M. Peak Hour Traffic Volumes



P.M. Peak Hour Traffic Volumes



Highest Traffic Volumes (Vehicles per Hour)

N-S Road: 1,172	N-S Road: 2,595
E-W Road: 4,075	E-W Road: 6,232

Roadway CO Contributions and Concentrations

Emissions = (A x B x C) / 100,000¹

Roadway	Reference CO Concentrations				Traffic Volume	Emission Factors ²	Estimated CO Concentrations			
	E.O.R.	25 Feet	50 Feet	100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	1,172	2.47	0.11	0.08	0.06	0.05
East-West Road	9.5	6.1	4.9	3.5	4,075	2.47	0.96	0.61	0.49	0.35
P.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	2,595	2.47	0.24	0.17	0.14	0.11
East-West Road	9.5	6.1	4.9	3.5	6,232	2.47	1.46	0.94	0.75	0.54

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

Peak Hour Emissions = North-South Concentration + East-West Concentration + Background 1-hour Concentration¹

8-Hour Emissions = ((Highest Peak Hour Concentration - Background 1-hour Concentration) x Persistence Factor) + Background 8-hour Concentration¹

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	3.7	4.3	3.1
25 Feet from Roadway Edge	3.3	3.7	2.7
50 Feet from Roadway Edge	3.2	3.5	2.5
100 Feet from Roadway Edge	3.0	3.2	2.4

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 11. Stadium Way/Friars Rd

Background Information

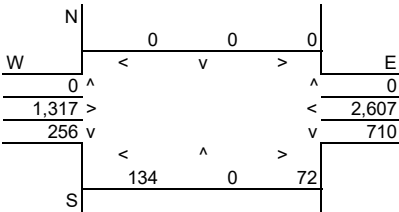
Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 1110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2035

Roadway Data

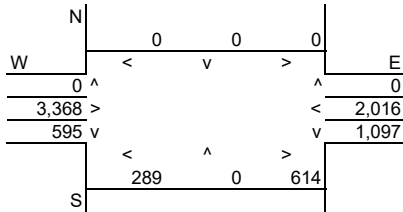
Intersection: 11. Stadium Way/Friars Rd
 Analysis Condition: Future (2037) Plus Project Traffic Conditions

	Roadway Type	No. of Lanes	Average Speed	
			A.M.	P.M.
North-South Roadway: Stadium Way	At Grade	2	5	5
East-West Roadway: Friars Rd	At Grade	6	5	5

A.M. Peak Hour Traffic Volumes



P.M. Peak Hour Traffic Volumes



Highest Traffic Volumes (Vehicles per Hour)

N-S Road: 1,172	N-S Road: 2,595
E-W Road: 4,706	E-W Road: 7,095

Roadway CO Contributions and Concentrations

Emissions = $(A \times B \times C) / 100,000^1$

Roadway	Reference CO Concentrations				Traffic Volume	Emission Factors ²	Estimated CO Concentrations			
	E.O.R.	25 Feet	50 Feet	100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	1,172	1.17	0.05	0.04	0.03	0.02
East-West Road	9.5	6.1	4.9	3.5	4,706	1.17	0.52	0.34	0.27	0.19
P.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	2,595	1.17	0.11	0.08	0.07	0.05
East-West Road	9.5	6.1	4.9	3.5	7,095	1.17	0.79	0.51	0.41	0.29

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

Peak Hour Emissions = North-South Concentration + East-West Concentration + Background 1-hour Concentration²

8-Hour Emissions = ((Highest Peak Hour Concentration - Background 1-hour Concentration) x Persistence Factor) + Background 8-hour Concentration²

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	3.2	3.5	2.5
25 Feet from Roadway Edge	3.0	3.2	2.3
50 Feet from Roadway Edge	2.9	3.1	2.2
100 Feet from Roadway Edge	2.8	2.9	2.1

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 14. Street D & Street 4

Background Information

Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2018

Roadway Data

Intersection: 14. Street D & Street 4
Analysis Condition: Existing (2018) Plus Project Traffic Conditions

	Roadway Type	No. of Lanes	Average Speed	
			A.M.	P.M.
North-South Roadway:	Promenade 1/Street 2	4	5	5
East-West Roadway:	Street D/Mission Village Dr	2	5	5

A.M. Peak Hour Traffic Volumes

N	47	942	192	E
W	<	v	>	
	32			885
	4			11
	4			246
S	8	814	22	

P.M. Peak Hour Traffic Volumes

N	133	1,151	910	E
W	<	v	>	
	126			212
	27			46
	4			491
S	8	1,562	189	

Highest Traffic Volumes (Vehicles per Hour)

N-S Road:	2,912	N-S Road:	4,094
E-W Road:	1,360	E-W Road:	1,875

Roadway CO Contributions and Concentrations

$$\text{Emissions} = (A \times B \times C) / 100,000^1$$

Roadway	Reference CO Concentrations				Traffic Volume	Emission Factors ²	Estimated CO Concentrations			
	E.O.R.	25 Feet	50 Feet	100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	11.9	7.0	5.4	3.8	2,912	2.47	0.86	0.50	0.39	0.27
East-West Road	3.7	2.7	2.2	1.7	1,360	2.47	0.12	0.09	0.07	0.06
P.M. Peak Traffic Hour										
North-South Road	11.9	7.0	5.4	3.8	4,094	2.47	1.20	0.71	0.55	0.38
East-West Road	3.7	2.7	2.2	1.7	1,875	2.47	0.17	0.13	0.10	0.08

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

$$\text{Peak Hour Emissions} = \text{North-South Concentration} + \text{East-West Concentration} + \text{Background 1-hour Concentration}^2$$

$$\text{8-Hour Emissions} = ((\text{Highest Peak Hour Concentration} - \text{Background 1-hour Concentration}) \times \text{Persistence Factor}) + \text{Background 8-hour Concentration}^2$$

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	3.6	4.0	2.9
25 Feet from Roadway Edge	3.2	3.4	2.5
50 Feet from Roadway Edge	3.1	3.2	2.4
100 Feet from Roadway Edge	2.9	3.1	2.2

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 14. Street D & Street 4

Background Information

Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2035

Roadway Data

Intersection: 14. Street D & Street 4
Analysis Condition: Future (2037) Plus Project Traffic Conditions

	Roadway Type	No. of Lanes	Average Speed	
			A.M.	P.M.
North-South Roadway:	Street D/Mission Village Dr	4	5	5
East-West Roadway:	Promenade 1/ Street 2	2	5	5

A.M. Peak Hour Traffic Volumes

N	47	973	239	E
W	<	v	>	
	32 ^		1,072	
	4 >		11	
	4 v		249	
S	<	8	821	29

P.M. Peak Hour Traffic Volumes

N	133	1,167	1,111	E
W	<	v	>	
	126 ^		259	
	27 >		46	
	4 v		499	
S	<	8	1,579	193

Highest Traffic Volumes (Vehicles per Hour)

N-S Road:	3,184	N-S Road:	4,375
E-W Road:	1,604	E-W Road:	2,135

Roadway CO Contributions and Concentrations

$$\text{Emissions} = (A \times B \times C) / 100,000^1$$

Roadway	Reference CO Concentrations				Traffic Volume	C Emission Factors ²	Estimated CO Concentrations			
	A ₁ E.O.R.	A ₂ 25 Feet	A ₃ 50 Feet	A ₄ 100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	11.9	7.0	5.4	3.8	3,184	1.17	0.44	0.26	0.20	0.14
East-West Road	3.7	2.7	2.2	1.7	1,604	1.17	0.07	0.05	0.04	0.03
P.M. Peak Traffic Hour										
North-South Road	11.9	7.0	5.4	3.8	4,375	1.17	0.61	0.36	0.28	0.19
East-West Road	3.7	2.7	2.2	1.7	2,135	1.17	0.09	0.07	0.05	0.04

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

$$\text{Peak Hour Emissions} = \text{North-South Concentration} + \text{East-West Concentration} + \text{Background 1-hour Concentration}^2$$

$$\text{8-Hour Emissions} = ((\text{Highest Peak Hour Concentration} - \text{Background 1-hour Concentration}) \times \text{Persistence Factor}) + \text{Background 8-hour Concentration}^2$$

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	3.1	3.3	2.4
25 Feet from Roadway Edge	2.9	3.0	2.2
50 Feet from Roadway Edge	2.8	2.9	2.1
100 Feet from Roadway Edge	2.8	2.8	2.1

² Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 17. I-15 SB Ramps & Friars Rd

Background Information

Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2018

Roadway Data

Intersection: 17. I-15 SB Ramps & Friars Rd
 Analysis Condition: Existing (2018) Plus Project Traffic Conditions

Roadway Type	No. of Lanes	Average Speed	
		A.M.	P.M.
North-South Roadway: I-15 SB Ramps	At Grade	2	5
East-West Roadway: Friars Rd	At Grade	6	5

A.M. Peak Hour Traffic Volumes

N	1,085	2	664	E
W	<	v	>	
	364 ^		427	
	988 >		2,069	
	488 v		274	
S	<	0	>	

P.M. Peak Hour Traffic Volumes

N	1,094	0	1,001	E
W	<	v	>	
	501 ^		329	
	2,436 >		1,913	
	1,052 v		257	
S	<	0	>	

Highest Traffic Volumes (Vehicles per Hour)

N-S Road:	2,542	N-S Road:	2,925
E-W Road:	4,994	E-W Road:	6,996

Roadway CO Contributions and Concentrations

Emissions = (A x B x C) / 100,000¹

Roadway	Reference CO Concentrations				Traffic Volume	Emission Factors ²	Estimated CO Concentrations			
	E.O.R.	25 Feet	50 Feet	100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	2,542	2.47	0.23	0.17	0.14	0.11
East-West Road	9.5	6.1	4.9	3.5	4,994	2.47	1.17	0.75	0.61	0.43
P.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	2,925	2.47	0.27	0.20	0.16	0.12
East-West Road	9.5	6.1	4.9	3.5	6,996	2.47	1.64	1.06	0.85	0.61

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

Peak Hour Emissions = North-South Concentration + East-West Concentration + Background 1-hour Concentration²

8-Hour Emissions = ((Highest Peak Hour Concentration - Background 1-hour Concentration) x Persistence Factor) + Background 8-hour Concentration²

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	4.0	4.5	3.2
25 Feet from Roadway Edge	3.5	3.9	2.8
50 Feet from Roadway Edge	3.3	3.6	2.6
100 Feet from Roadway Edge	3.1	3.3	2.4

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

SIMPLIFIED CALINE4 CARBON MONOXIDE ANALYSIS

Project Title: SDSU
Intersection: 17. I-15 SB Ramps & Friars Rd

Background Information

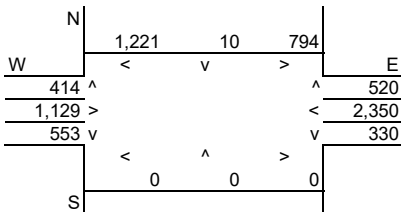
Nearest Air Monitoring Station measuring CO: 533 First Street, El Cajon, CA 110 Beardsley Street, San Diego, CA
 Background 1-hour CO Concentration (ppm): 2.6
 Background 8-hour CO Concentration (ppm): 1.9
 Persistence Factor: 0.7
 Analysis Year: 2035

Roadway Data

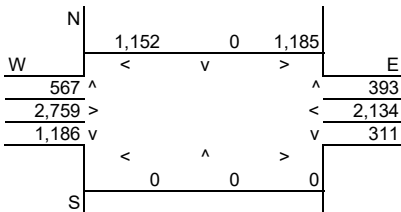
Intersection: 17. I-15 SB Ramps & Friars Rd
 Analysis Condition: Future (2037) Plus Project Traffic Conditions

Roadway Type	No. of Lanes	Average Speed	
		A.M.	P.M.
North-South Roadway: I-15 SB Ramps	At Grade	2	5
East-West Roadway: Friars Rd	At Grade	6	5

A.M. Peak Hour Traffic Volumes



P.M. Peak Hour Traffic Volumes



Highest Traffic Volumes (Vehicles per Hour)

N-S Road: 2,959
 E-W Road: 5,667

N-S Road: 3,297
 E-W Road: 7,798

Roadway CO Contributions and Concentrations

Emissions = (A x B x C) / 100,000¹

Roadway	Reference CO Concentrations				Traffic Volume	Emission Factors ²	Estimated CO Concentrations			
	E.O.R.	25 Feet	50 Feet	100 Feet			E.O.R.	25 Feet	50 Feet	100 Feet
A.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	2,959	1.17	0.13	0.09	0.08	0.06
East-West Road	9.5	6.1	4.9	3.5	5,667	1.17	0.63	0.40	0.32	0.23
P.M. Peak Traffic Hour										
North-South Road	3.7	2.7	2.2	1.7	3,297	1.17	0.14	0.10	0.08	0.07
East-West Road	9.5	6.1	4.9	3.5	7,798	1.17	0.87	0.56	0.45	0.32

¹ Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).

² Emission factors from EMFAC2014.

Total Roadway CO Concentrations

Peak Hour Emissions = North-South Concentration + East-West Concentration + Background 1-hour Concentration²

8-Hour Emissions = ((Highest Peak Hour Concentration - Background 1-hour Concentration) x Persistence Factor) + Background 8-hour Concentration²

	A.M. Peak Hour	P.M. Peak Hour	8-Hour
Roadway Edge	3.4	3.6	2.6
25 Feet from Roadway Edge	3.1	3.3	2.4
50 Feet from Roadway Edge	3.0	3.1	2.3
100 Feet from Roadway Edge	2.9	3.0	2.2

² Methodology from Bay Area Air Quality Management District *BAAQMD CEQA Guidelines* (1999).