

Ursa Valley Project Mitigation Monitoring and Reporting Program

Major Use Permit - UP 20-86; Initial Study - IS 20-102

Potential Impact	Mitigation Measure	Implementation Responsibility	Monitoring & Reporting Responsibility	Timing	Date Implemented
AESTHETICS					
The proposed project has the potential to generate a new source of light and glare from exterior and interior lighting.	AES-1: All outdoor lighting shall be directed downwards and shielded onto the project site and not onto adjacent properties. All lighting shall comply and adhere to all federal, state and local agency requirements, including all requirements of darkskies.org.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to operation	
AIR QUALITY					
Potential to impact air quality temporarily during construction activities and permanently throughout operation.	AQ-1: Prior to cultivation, the applicant shall submit an Odor Control Plan to the Lake County Community Development Department for review and acceptance or revision at the discretion of the Department Director.	Applicant	Applicant	Prior to operation	
	AQ-2: All Mobile diesel equipment used for construction and/or maintenance shall be in compliance with State registration requirements. Portable and stationary diesel-powered equipment must meet the requirements of the State Air Toxic Control Measures for CI engines as well as Lake County Noise Emission Standards.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During construction and operation	
	AQ-3: Construction and/or work practices that involve masonry, gravel, grading activities, vehicular and fugitive dust shall be managed by use of water or other acceptable dust palliatives to mitigate dust generation during and after site development.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During construction and operation	
	AQ-4: The applicant shall maintain records of all hazardous or toxic materials used, including a Material Safety Data Sheet (MSDS) for all volatile organic compounds utilized, including cleaning materials to the Lake County Air Quality Management District.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	AQ-5: All vegetation during site development shall be chipped and spread for ground cover and/or erosion control. The burning of vegetation, construction debris, including waste material is prohibited.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During construction and operation	
	AQ-6: The applicant shall have the primary access and parking areas surfaced with chip seal, asphalt or an equivalent all-weather surfacing to reduce fugitive dust generation. The use of white rock as a road base or surface material for travel routes and/or parking areas is prohibited.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During construction and operation	
	AQ-7: All areas subject to infrequent use of driveways, over flow parking, etc., shall be surfaced with gravel. Applicant shall regularly use and/or maintain graveled area to reduce fugitive dust generations.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During construction and operation	

BIOLOGICAL RESOURCES					
Potential to impact species identified as a candidate, sensitive, or special status species.	<p>BIO-1 (Nesting Birds): Prior to the commencement of vegetation clearing and/or tree falling during the Nesting Bird Breeding season(s), a survey for nesting birds shall be conducted by a qualified biologist.</p> <ul style="list-style-type: none"> <i>If active nests are present in the Study Area during construction of the project, CDFW shall be consulted to develop measures to avoid "take" of active nests prior to the initiation of any construction activities. Avoidance measures may include but are not limited to the establishment of a buffer zone using construction fencing or the postponement of vegetation removal until after the nesting season, or until after a qualified biologist has determined the young have fledged and are independent of the nest site.</i> 	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to Site Development	
	<p>BIO-2 (Erosion Control): All work in or near any waterways shall incorporate extensive Erosion and Sediment Control Plans/Measure consistent with all Federal, State and local agency requirements to avoid erosion and the potential for transport of sediment into the waterways. Additionally, coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharge associated with a Construction Activity (General Permit) and a Storm Water Pollution Prevention Plan (SWPPP may be required).</p>	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to and during site development and construction	
	<p>BIO-3 (Creek Buffers): The applicant shall maintain a minimum of a one-hundred (100) foot setbacks from the top of bank of any creek (perennial and intermittent), edge of lake, delineated wetland and/or vernal pool on the lot of record of land, for the use and storage of fertilizers and pesticides.</p>	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	<p>BIO-4 (Staging Areas): The applicant shall ensure to use only previously disturbed areas for staging/storage of materials and/or equipment that is used to maintain the ongoing use. No areas shall be newly developed for the purpose of staging.</p>	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	<p>BIO-5: The applicant shall preserve and/or avoid existing vegetation not otherwise specified for removal, including native tree species.</p>	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	<p>BIO-6: The use of water provided by a public water supply, unlawful water diversions, transported by a water hauler, bottled water, a water vending machine, or a retail water facility is prohibited. The utilization of water that has been or is illegally diverted from any lake, springs, wetland, stream, creek, vernal pool, and/or river is prohibited. The</p>	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	

	applicant shall not engage in any unlawful or unpermitted drawing of surface water.				
	BIO-7: A formal delineation of jurisdictional waters shall be performed before construction work, or ground disturbance is performed within 50 feet of any wetland or channel.				
CULTURAL RESOURCES/TRIBAL CULTURAL RESOURCES					
Disturb an archaeological resource or human remains during construction activities.	CUL-1: Should any archaeological, paleontological, or cultural materials be discovered during site development, all activity shall be halted in the vicinity of the find(s), the applicant shall notify the local overseeing Tribe, and a qualified archaeologist to evaluate the find(s) and recommend mitigation procedures, if necessary, subject to the approval of the Community Development Director. Should any human remains be encountered, the applicant shall notify the Sheriff's Department, the local overseeing Tribe, and a qualified archaeologist for proper internment and Tribal rituals per Public Resources Code Section 5097.98 and Health and Safety Code 7050.5.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	CUL-2: All employees shall be trained in recognizing potentially significant artifacts that may be discovered during ground disturbance. If any artifacts or remains are found, the local overseeing Tribe shall immediately be notified; a licensed archaeologist shall be notified, and the Lake County Community Development Director shall be notified of such finds.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	CULT 3: In the event of an unanticipated discovery of cultural resources during the implantation of the project, all work must be halted within 100 feet (30 meters) of the find and qualified archaeologist (36 CFR Part 61) notified so that its potential significance can be assessed.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
GEOLOGY AND SOILS					
The proposed project will not cause potential subtidal adverse effects. However, minor ground disturbance is proposed for site preparation.	<p>GEO-1: Prior to any ground disturbance and/or operation, the applicant shall submit Erosion Control and Sediment Plans to the Community Development Department for review and approval.</p> <ul style="list-style-type: none"> Said Erosion Control and Sediment Plans shall protect the local watershed from runoff pollution through the implementation of appropriate Best Management Practices (BMPs) in accordance with Chapters 29 and 30 of the Lake County Code. Typical BMPs include the placement of straw, mulch, seeding, straw wattles, silt fencing and the planting of native vegetation on all disturbed areas. No silt, sediment or other materials exceeding natural background levels shall be allowed to flow from the project area. All BMP's shall be maintained for life of the project. 	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to site development and construction	

	GEO-2: Prior to any ground disturbance, (if applicable), the applicant shall submit and obtain a Grading Permit from the Community Development in accordance with Chapters 29 and 30 of the Lake County Code.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to site development and construction	
	GEO-3: Excavation, filling, vegetation clearing or other disturbance of the soil shall not occur between October 15 and April 15 unless authorized by the Community Development Director. The actual dates of this defined grading period may be adjusted according to weather and soil conditions at the discretion of the Community Development Director.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	During site development and construction	
	GEO-4: The applicant shall monitor the site during the rainy season including post-installation, application of BMPs, erosion control maintenance, and other improvements as needed. Said measures shall be maintained for life of the project and replace/repared when necessary.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
HAZARDS AND HAZARDOUS MATERIALS					
The proposed project has the potential to create a hazard to the environment through routine transport, use or disposal of hazardous materials.	HAZ-1: All hazardous waste shall not be disposed of on-site without review or permits from Environmental Health Department, the California Regional Water Control Board, and/or the Air Quality Board. Collected hazardous or toxic waste materials shall be recycled or disposed of through a registered waste hauler to an approved site legally authorized to accept such material.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	HAZ-2: The storage of potentially hazardous materials shall be located at least 100 feet from any existing water well. These materials shall not be allowed to leak into the ground or contaminate surface waters. Collected hazardous or toxic materials shall be recycled or disposed of through a registered waste hauler to an approved site legally authorized to accept such materials.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	HAZ-3: Any spills of oils, fluids, fuel, concrete, or other hazardous construction material shall be immediately cleaned up. All equipment and materials shall be stored in the staging areas away from all known waterways.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	HAZ- 4: The storage of hazardous materials equal to or greater than fifty-five (55) gallons of a liquid, 500 pounds of a solid, or 200 cubic feet of compressed gas, then a Hazardous Materials Inventory Disclosure Statement/Business Plan shall be submitted and maintained in compliance with requirements of Lake County Environmental Health Division. Industrial waste shall not be disposed of on site without review or permit from Lake County Environmental Health Division or the California Regional Water Quality Control Board. The permit holder shall comply with petroleum fuel storage tank regulations if fuel is to be stored on site.	Applicant/ Contractor(s)	Applicant; Lake County Air Quality Management; Environmental Health	Life of the Project	

	HAZ-5: The project design shall incorporate appropriate BMPs consistent with County and State Storm Water Drainage regulations to prevent or reduce discharge of all construction or post-construction pollutants and hazardous materials offsite or into the creek. The site shall be monitored during the rainy season (October 15-April 15) and erosion controls maintained.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
	HAZ - 6: The project shall comply with Section 41.7 of the Lake County Zoning Ordinance that specifies that all uses involving the use or storage of combustible, explosive, caustic or otherwise hazardous materials shall comply with all applicable local, state and federal safety standards and shall be provided with adequate safety devices against the hazard of fire and explosion, and adequate firefighting and fire suppression equipment.	Applicant/ Contractor(s)	Applicant; Lake County Air Quality Management; Environmental Health	Life of the Project	
	HAZ - 7: All equipment shall be maintained and operated in a manner that minimizes any spill or leak of hazardous materials. Hazardous materials and contaminated soil shall be stored, transported, and disposed of consistent with applicable local, state and federal regulations.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Life of the Project	
HYDROLOGY AND WATER QUALITY					
The proposed project has potential to affect water quality of creeks that flow through the property.	<u>HYD-1:</u> The project design shall incorporate appropriate BMPs consistent with County and State storm water drainage regulations to prevent or reduce discharge of all construction or post-construction pollutants and hazardous materials offsite or all surface water.	Applicant/ Contractor(s)	Applicant/ Contractor(s)	Prior to and during site development and construction	
	<u>HYD-2:</u> The applicant shall prepare a groundwater management plan to ensure that the groundwater resources of the County are protected and managed in a sustainable manner. The plan would support the Integrated Regional Water Management Plan and include an inventory of groundwater resources in the County and a management strategy to maintain the resource for the reasonable and beneficial use of the people and agencies of the County.	Applicant/ Contractor(s)	Applicant; Community Development Department; Department of Water Resources	Prior to site development and construction	
	<u>HYD-3:</u> The production well shall have a meter to measure the amount of water pumped. The production wells shall have continuous water level monitors. The methodology of the monitoring program shall be described. A monitoring well of equal depth within the cone of influence of the production well may be substituted for the water level monitoring of the production well. The monitoring wells shall be constructed and monitoring begun at least three months prior to the use of the supply well. An applicant shall maintain a record of all data collected and shall provide a report of the data collected to the County annually.	Applicant/ Contractor(s)	Applicant; Community Development Department; Department of Water Resources	Life of the Project	
NOISE					

<p>The proposed project will not have any adverse effect on the noise. However, the future project may create short-term increases in ambient noise levels to uncomfortable levels during project preparation, construction, and operations.</p>	<p><u>NOI-1:</u> All construction activities including engine warm-up shall be limited Monday Through Friday, between the hours of 7:00am and 7:00pm to minimize noise impacts on nearby residents. Back-up beepers shall be adjusted to the lowest allowable levels. This mitigation does not apply to night work.</p>	<p>Applicant/ Contractor(s)</p>	<p>Applicant/ Contractor(s)</p>	<p>During site development and operation</p>	
	<p><u>NOI-2:</u> Maximum non-construction related sound levels shall not exceed levels of 55 dBA between the hours of 7:00AM to 7:00PM and 45 dBA between the hours of 10:00PM to 7:00AM within residential areas as specified within Zoning Ordinance Section 21-41.11 (Table 11.1) at the property lines.</p>	<p>Applicant/ Contractor(s)</p>	<p>Applicant/ Contractor(s)</p>	<p>During site development and operation</p>	
	<p><u>NOI-3:</u> The operation of the Air Filtration System shall not exceed levels of 57 dBA between the hours of 7:00AM to 10:00PM and 50 dBA from 10:00PM to 7:00AM within residential areas as specified within Zoning Ordinance Section 21-41.11 (Table 11.2) measured at the property lines.</p>	<p>Applicant/ Contractor(s)</p>	<p>Applicant/ Contractor(s)</p>	<p>During site development and operation</p>	