
Appendix C2

Health Risk Assessment Data

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**123 Independence Drive Project
San Mateo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	336.00	Space	0.00	128,880.00	0
Enclosed Parking with Elevator	180.00	Space	0.00	50,893.00	0
Other Asphalt Surfaces	61.24	1000sqft	1.41	61,240.00	0
Other Non-Asphalt Surfaces	295.47	1000sqft	6.78	295,470.00	0
Apartments Mid Rise	316.00	Dwelling Unit	8.32	289,223.00	904
Condo/Townhouse	116.00	Dwelling Unit	7.25	187,739.00	332

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	12	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 123 Independence Drive Project. 123 Independence Drive Project. Adjusted CO2 intensity per Pennensula Clean Energy report: 12 lb of CO2e per MWh.
 Land Use - Project includes 316 Apartments and 116 Townhomes on a 8.15 acre site. 516 spaces in two parking garages (128880 SF and 50893 SF). 295469 SF of impervious area and 61220 of asphalt.
 Construction Phase - Project would begin construction Sep 2023 and would be completed by Feb 2028.

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - Updated equipment per applicant. Other equipment includes stucco rigs (4) and paint sprayers (6).

Off-road Equipment - Updated equipment per applicant.

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Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Updated trips per applicant. Assume distance of 0.19 mi for trucks.

Demolition -

Grading - 5260 CY imported and 32000 CY exported.

Architectural Coating - Low VOC coatings applied per applicant.

Vehicle Trips - Updated weekday trip generation rates per transportation analysis.

Construction Off-road Equipment Mitigation - Use of Tier 4 Final engines for equipment greater than 75 hp.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	10.00	6.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	370.00	956.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	415.00
tblConstructionPhase	PhaseEndDate	9/28/2023	12/1/2023
tblGrading	AcresOfGrading	3.00	9.00
tblLandUse	LandUseSquareFeet	134,400.00	128,880.00
tblLandUse	LandUseSquareFeet	72,000.00	50,893.00
tblLandUse	LandUseSquareFeet	316,000.00	289,223.00
tblLandUse	LandUseSquareFeet	116,000.00	187,739.00
tblLandUse	LotAcreage	3.02	0.00
tblLandUse	LotAcreage	1.62	0.00
tblOffRoadEquipment	HorsePower	172.00	7.00
tblOffRoadEquipment	HorsePower	172.00	1.00
tblOffRoadEquipment	LoadFactor	0.20	0.20

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	48.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	12
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripNumber	0.00	200.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,700.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,500.00
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	VendorTripNumber	134.00	20.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	536.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

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	tons/yr										MT/yr					
2023	0.0651	0.6584	0.8120	1.5400e-003	0.0765	0.0265	0.1029	8.2800e-003	0.0244	0.0326	0.0000	134.9748	134.9748	0.0430	3.3000e-004	136.1474
2024	0.1493	1.4085	1.8319	3.3000e-003	0.0720	0.0615	0.1335	7.8500e-003	0.0566	0.0645	0.0000	290.6714	290.6714	0.0923	8.8000e-004	293.2411
2025	0.1952	1.8409	3.2313	4.6700e-003	6.0000e-004	0.0814	0.0820	1.8000e-004	0.0749	0.0750	0.0000	411.3334	411.3334	0.1315	9.4000e-004	414.8992
2026	1.4598	6.9493	11.2305	0.0177	6.0000e-004	0.3139	0.3145	1.8000e-004	0.3062	0.3064	0.0000	1,530.5286	1,530.5286	0.2035	9.2000e-004	1,535.8908
2027	2.6963	11.9469	19.0571	0.0304	6.0000e-004	0.5414	0.5420	1.8000e-004	0.5325	0.5327	0.0000	2,625.5773	2,625.5773	0.2743	9.1000e-004	2,632.7051
2028	0.2750	1.4569	2.3964	3.7100e-003	2.0000e-004	0.0655	0.0657	6.0000e-005	0.0632	0.0632	0.0000	321.7674	321.7674	0.0553	2.9000e-004	323.2363
Maximum	2.6963	11.9469	19.0571	0.0304	0.0765	0.5414	0.5420	8.2800e-003	0.5325	0.5327	0.0000	2,625.5773	2,625.5773	0.2743	9.4000e-004	2,632.7051

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	9/1/2023	12/1/2023	5	66	
2	Site Preparation	Site Preparation	12/1/2023	12/10/2023	5	6	
3	Grading	Grading	12/11/2023	2/11/2024	5	45	
4	Building Construction	Building Construction	9/1/2024	5/1/2028	5	956	
5	Paving	Paving	11/1/2024	1/1/2025	5	44	
6	Architectural Coating	Architectural Coating	7/1/2026	2/1/2028	5	415	

Acres of Grading (Site Preparation Phase): 9**Acres of Grading (Grading Phase): 135****Acres of Paving: 8.19****Residential Indoor: 965,848; Residential Outdoor: 321,949; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 32,189**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Excavators	2	8.00	158	0.38
Architectural Coating	Air Compressors	48	8.00	78	0.48
Architectural Coating	Forklifts	4	8.00	89	0.20
Building Construction	Forklifts	4	8.00	89	0.20
Architectural Coating	Other Construction Equipment	4	8.00	7	0.42
Architectural Coating	Other Construction Equipment	6	8.00	1	0.42
Grading	Graders	2	8.00	187	0.41
Paving	Pavers	5	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Building Construction	Excavators	2	8.00	158	0.38
Grading	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Tractors/Loaders/Backhoes	6	8.00	97	0.37
Grading	Plate Compactors	2	8.00	8	0.43
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Skid Steer Loaders	4	8.00	65	0.37
Site Preparation	Plate Compactors	1	8.00	8	0.43
Grading	Scrapers	2	8.00	367	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	9	0.00	0.00	200.00	10.80	7.30	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	3,700.00	10.80	7.30	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	12	0.00	20.00	3,500.00	10.80	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	62	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 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	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0359	0.3673	0.6172	9.2000e-004		0.0163	0.0163		0.0150	0.0150	0.0000	80.8292	80.8292	0.0261	0.0000	81.4827
Total	0.0359	0.3673	0.6172	9.2000e-004	0.0000	0.0163	0.0163	0.0000	0.0150	0.0150	0.0000	80.8292	80.8292	0.0261	0.0000	81.4827

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	tons/yr										MT/yr					
Hauling	8.0000e-005	1.9100e-003	1.2100e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2865	0.2865	2.0000e-005	5.0000e-005	0.3006
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	8.0000e-005	1.9100e-003	1.2100e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2865	0.2865	2.0000e-005	5.0000e-005	0.3006

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.4 Grading - 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	tons/yr										MT/yr					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0258	0.2520	0.1706	5.3000e-004		9.2400e-003	9.2400e-003		8.5100e-003	8.5100e-003	0.0000	46.7709	46.7709	0.0150	0.0000	47.1465
Total	0.0258	0.2520	0.1706	5.3000e-004	0.0716	9.2400e-003	0.0808	7.7300e-003	8.5100e-003	0.0162	0.0000	46.7709	46.7709	0.0150	0.0000	47.1465

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	tons/yr										MT/yr					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Hauling	5.0000e-004	0.0118	7.4800e-003	2.0000e-005	1.1000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.7670	1.7670	1.0000e-004	2.8000e-004	1.8538
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	5.0000e-004	0.0118	7.4800e-003	2.0000e-005	1.1000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.7670	1.7670	1.0000e-004	2.8000e-004	1.8538

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	tons/yr										MT/yr					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0600e-003	0.0318	0.2400	5.3000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	46.7708	46.7708	0.0150	0.0000	47.1464
Total	7.0600e-003	0.0318	0.2400	5.3000e-004	0.0716	1.0100e-003	0.0726	7.7300e-003	1.0100e-003	8.7400e-003	0.0000	46.7708	46.7708	0.0150	0.0000	47.1464

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	tons/yr										MT/yr					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Hauling	5.0000e-004	0.0118	7.4800e-003	2.0000e-005	1.1000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.7670	1.7670	1.0000e-004	2.8000e-004	1.8538
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	5.0000e-004	0.0118	7.4800e-003	2.0000e-005	1.1000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.7670	1.7670	1.0000e-004	2.8000e-004	1.8538

3.4 Grading - 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	tons/yr										MT/yr					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0497	0.4642	0.3338	1.0700e-003		0.0171	0.0171		0.0158	0.0158	0.0000	93.5167	93.5167	0.0300	0.0000	94.2677
Total	0.0497	0.4642	0.3338	1.0700e-003	0.0716	0.0171	0.0887	7.7300e-003	0.0158	0.0235	0.0000	93.5167	93.5167	0.0300	0.0000	94.2677

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
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123 Independence Drive Project - Construction HRA - San Mateo County, Annual

CalEEMod Version: CalEEMod.2020.4.0

Date: 4/17/2022 4:47 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	tons/yr										MT/yr					
	Hauling	1.0000e-003	0.0234	0.0151	3.0000e-005	2.2000e-004	3.0000e-005	2.5000e-004	6.0000e-005	3.0000e-005	9.0000e-005	0.0000	3.4874	3.4874	2.0000e-004	5.6000e-004
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	1.0000e-003	0.0234	0.0151	3.0000e-005	2.2000e-004	3.0000e-005	2.5000e-004	6.0000e-005	3.0000e-005	9.0000e-005	0.0000	3.4874	3.4874	2.0000e-004	5.6000e-004	3.6590

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	tons/yr										MT/yr					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0635	0.4801	1.0700e-003		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	93.5166	93.5166	0.0300	0.0000	94.2676
Total	0.0141	0.0635	0.4801	1.0700e-003	0.0716	2.0200e-003	0.0736	7.7300e-003	2.0200e-003	9.7500e-003	0.0000	93.5166	93.5166	0.0300	0.0000	94.2676

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
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	tons/yr										MT/yr					
	Hauling	1.0000e-003	0.0234	0.0151	3.0000e-005	2.2000e-004	3.0000e-005	2.5000e-004	6.0000e-005	3.0000e-005	9.0000e-005	0.0000	3.4874	3.4874	2.0000e-004	5.6000e-004
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	1.0000e-003	0.0234	0.0151	3.0000e-005	2.2000e-004	3.0000e-005	2.5000e-004	6.0000e-005	3.0000e-005	9.0000e-005	0.0000	3.4874	3.4874	2.0000e-004	5.6000e-004	3.6590

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.0698	0.6552	1.0682	1.5300e-003		0.0323	0.0323		0.0297	0.0297	0.0000	134.6153	134.6153	0.0435	0.0000	135.7037
Total	0.0698	0.6552	1.0682	1.5300e-003		0.0323	0.0323		0.0297	0.0297	0.0000	134.6153	134.6153	0.0435	0.0000	135.7037

Unmitigated Construction Off-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.0200e-003	1.9500e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.4503	0.4503	3.0000e-005	7.0000e-005	0.4725
Vendor	4.5000e-004	0.0105	6.8300e-003	2.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.5624	1.5624	8.0000e-005	2.5000e-004	1.6376
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	5.8000e-004	0.0136	8.7800e-003	2.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0127	2.0127	1.1000e-004	3.2000e-004	2.1101

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	tons/yr										MT/yr					
Off-Road	0.0188	0.0813	1.1570	1.5300e-003		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	134.6151	134.6151	0.0435	0.0000	135.7036
Total	0.0188	0.0813	1.1570	1.5300e-003		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	134.6151	134.6151	0.0435	0.0000	135.7036

Mitigated Construction Off-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.0200e-003	1.9500e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.4503	0.4503	3.0000e-005	7.0000e-005	0.4725
Vendor	4.5000e-004	0.0105	6.8300e-003	2.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.5624	1.5624	8.0000e-005	2.5000e-004	1.6376
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	5.8000e-004	0.0136	8.7800e-003	2.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0127	2.0127	1.1000e-004	3.2000e-004	2.1101

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356
Total	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356

Unmitigated Construction Off-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	8.9800e-003	5.9000e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	4.0000e-005	0.0000	1.3298	1.3298	8.0000e-005	2.1000e-004	1.3953
Vendor	1.3200e-003	0.0314	0.0204	5.0000e-005	5.1000e-004	4.0000e-005	5.5000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.6091	4.6091	2.6000e-004	7.3000e-004	4.8315
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	1.7100e-003	0.0403	0.0263	6.0000e-005	6.0000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.3000e-004	0.0000	5.9388	5.9388	3.4000e-004	9.4000e-004	6.2268

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	tons/yr										MT/yr					
Off-Road	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352
Total	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	tons/yr										MT/yr					
Hauling	3.9000e-004	8.9800e-003	5.9000e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	4.0000e-005	0.0000	1.3298	1.3298	8.0000e-005	2.1000e-004	1.3953
Vendor	1.3200e-003	0.0314	0.0204	5.0000e-005	5.1000e-004	4.0000e-005	5.5000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.6091	4.6091	2.6000e-004	7.3000e-004	4.8315
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	1.7100e-003	0.0403	0.0263	6.0000e-005	6.0000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.3000e-004	0.0000	5.9388	5.9388	3.4000e-004	9.4000e-004	6.2268

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356
Total	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	tons/yr										MT/yr					
Hauling	3.9000e-004	8.9000e-003	5.9500e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.3079	1.3079	8.0000e-005	2.1000e-004	1.3725
Vendor	1.3100e-003	0.0311	0.0204	4.0000e-005	5.1000e-004	4.0000e-005	5.5000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.5308	4.5308	2.6000e-004	7.1000e-004	4.7499
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	1.7000e-003	0.0400	0.0263	5.0000e-005	6.0000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.2000e-004	0.0000	5.8387	5.8387	3.4000e-004	9.2000e-004	6.1223

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	tons/yr										MT/yr					
Off-Road	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352
Total	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	tons/yr										MT/yr					
Hauling	3.9000e-004	8.9000e-003	5.9500e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.3079	1.3079	8.0000e-005	2.1000e-004	1.3725
Vendor	1.3100e-003	0.0311	0.0204	4.0000e-005	5.1000e-004	4.0000e-005	5.5000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.5308	4.5308	2.6000e-004	7.1000e-004	4.7499
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	1.7000e-003	0.0400	0.0263	5.0000e-005	6.0000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.2000e-004	0.0000	5.8387	5.8387	3.4000e-004	9.2000e-004	6.1223

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356
Total	0.1929	1.7952	3.1956	4.6000e-003		0.0811	0.0811		0.0746	0.0746	0.0000	404.0685	404.0685	0.1307	0.0000	407.3356

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	tons/yr										MT/yr					
Hauling	3.9000e-004	8.8300e-003	6.0000e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.2851	1.2851	8.0000e-005	2.1000e-004	1.3487
Vendor	1.3000e-003	0.0309	0.0204	4.0000e-005	5.1000e-004	3.0000e-005	5.4000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.4494	4.4494	2.6000e-004	7.0000e-004	4.6650
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	1.6900e-003	0.0397	0.0264	5.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	4.0000e-005	2.2000e-004	0.0000	5.7345	5.7345	3.4000e-004	9.1000e-004	6.0137

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	tons/yr										MT/yr					
Off-Road	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352
Total	0.0563	0.2439	3.4709	4.6000e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	404.0681	404.0681	0.1307	0.0000	407.3352

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	tons/yr										MT/yr					
Hauling	3.9000e-004	8.8300e-003	6.0000e-003	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.2851	1.2851	8.0000e-005	2.1000e-004	1.3487
Vendor	1.3000e-003	0.0309	0.0204	4.0000e-005	5.1000e-004	3.0000e-005	5.4000e-004	1.5000e-004	3.0000e-005	1.9000e-004	0.0000	4.4494	4.4494	2.6000e-004	7.0000e-004	4.6650
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	1.6900e-003	0.0397	0.0264	5.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	4.0000e-005	2.2000e-004	0.0000	5.7345	5.7345	3.4000e-004	9.1000e-004	6.0137

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.0636	0.5915	1.0529	1.5200e-003		0.0267	0.0267		0.0246	0.0246	0.0000	133.1414	133.1414	0.0431	0.0000	134.2179

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0636	0.5915	1.0529	1.5200e-003		0.0267	0.0267		0.0246	0.0246	0.0000	133.1414	133.1414	0.0431	0.0000	134.2179
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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	tons/yr										MT/yr					
Hauling	1.3000e-004	2.8900e-003	1.9900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.4159	0.4159	3.0000e-005	7.0000e-005	0.4365
Vendor	4.3000e-004	0.0101	6.7200e-003	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.4399	1.4399	9.0000e-005	2.3000e-004	1.5098
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	5.6000e-004	0.0130	8.7100e-003	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.8558	1.8558	1.2000e-004	3.0000e-004	1.9463

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	tons/yr										MT/yr					
Off-Road	0.0186	0.0804	1.1437	1.5200e-003		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	133.1412	133.1412	0.0431	0.0000	134.2177

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0186	0.0804	1.1437	1.5200e-003		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	133.1412	133.1412	0.0431	0.0000	134.2177
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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	tons/yr										MT/yr					
Hauling	1.3000e-004	2.8900e-003	1.9900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.4159	0.4159	3.0000e-005	7.0000e-005	0.4365
Vendor	4.3000e-004	0.0101	6.7200e-003	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	1.4399	1.4399	9.0000e-005	2.3000e-004	1.5098
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	5.6000e-004	0.0130	8.7100e-003	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.8558	1.8558	1.2000e-004	3.0000e-004	1.9463

3.6 Paving - 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	tons/yr										MT/yr					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-Road	0.0264	0.2522	0.4060	6.5000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	57.0393	57.0393	0.0185	0.0000	57.5005
Paving	1.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0282	0.2522	0.4060	6.5000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	57.0393	57.0393	0.0185	0.0000	57.5005

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	tons/yr										MT/yr					
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

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	tons/yr										MT/yr					

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-Road	7.9800e-003	0.0346	0.4924	6.5000e-004		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	57.0393	57.0393	0.0185	0.0000	57.5004
Paving	1.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.7900e-003	0.0346	0.4924	6.5000e-004		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	57.0393	57.0393	0.0185	0.0000	57.5004

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	tons/yr										MT/yr					
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

3.6 Paving - 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
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	tons/yr									MT/yr						
	Off-Road	5.8000e-004	5.3100e-003	9.4400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	1.3260	1.3260	4.3000e-004	0.0000
Paving	4.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.2000e-004	5.3100e-003	9.4400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	1.3260	1.3260	4.3000e-004	0.0000	1.3367

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	tons/yr										MT/yr					
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

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
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category	tons/yr										MT/yr					
	Off-Road	1.9000e-004	8.0000e-004	0.0115	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.3260	1.3260	4.3000e-004	0.0000
Paving	4.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-004	8.0000e-004	0.0115	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.3260	1.3260	4.3000e-004	0.0000	1.3367

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	tons/yr										MT/yr					
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

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7550	5.1141	8.0086	0.0130		0.2328	0.2328		0.2316	0.2316	0.0000	1,120.6215	1,120.6215	0.0725	0.0000	1,122.4328
Total	1.2653	5.1141	8.0086	0.0130		0.2328	0.2328		0.2316	0.2316	0.0000	1,120.6215	1,120.6215	0.0725	0.0000	1,122.4328

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	tons/yr										MT/yr					
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

Mitigated Construction On-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7370	4.9186	8.0160	0.0130		0.2219	0.2219		0.2216	0.2216	0.0000	1,120.6201	1,120.6201	0.0725	0.0000	1,122.4315
Total	1.2472	4.9186	8.0160	0.0130		0.2219	0.2219		0.2216	0.2216	0.0000	1,120.6201	1,120.6201	0.0725	0.0000	1,122.4315

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	tons/yr										MT/yr					
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

3.7 Architectural Coating - 2027

123 Independence Drive Project

Construction HRA

Project Construction Emissions

Year	Unmitigated	Mitigated
	DPM tons/year	DPM tons/year
2023	0.0265	0.0061
2024	0.0615	0.0056
2025	0.0814	0.0076
2026	0.3139	0.2294
2027	0.5414	0.4462
2028	0.0655	0.0395
Total	1.090	0.734
Total Lbs	2180.400	1468.740
Lbs/year	532.896	358.964
Lbs/hour	0.25	0.1713

Start	End	Days
9/1/2023	2/11/2024	116
9/1/2024	5/1/2028	956
Total Days		1072
		2.9369863 years

Conversions:
1 ton =

2,000 lb

Construction =

8 hours/day
2096 hours/year
262 days/year
12 months

Project Construction: 1072 days
4.09 years

AERMOD Assumptions

Source Name	Description	No. of Vol. Sources	Emission Rate g/s	Release Height m	Plume Height m	Plume Width m
PAREA1	Construction	40	1.00	5.00	2.33	11.63

Receptor Grid

Name	Grid Size	Spacing
UCART1	1 km x 1 km	20 m

Meteorological Data

Station Name	Years	Lat	Long	Elev (m)
San Carlos Airport	2011-2015	37.52	-122.25	1

Source: BAAQMD Public Records Request... OR
Source: <https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files>

Population

County	2020 Population
Sonoma	764,442

Source: <https://www.census.gov/quickfacts/sanmateocountycalifornia>

Other Model Assumption

Terrain Data	NED 1/3
Lakes Version	9.9.0
AERMOD Version	19191

Unmitigated

Receptor	RecID - 218
Cancer	1.3669E+01
Chronic	3.8601E-02
PM2.5	1.9301E-01

Mitigated

Receptor	RecID - 218
Cancer	9.21E+00
Chronic	2.60E-02
PM2.5	1.30E-01

*HARP - HRACalc v21081 4/17/2022 4:56:42 PM - Cancer Risk - Inq

REC	GRP	NETID	X	Y	RISK_SUM
	218 ALL		573017.8	4148732	1.37E-05
	224 ALL		573022.8	4148737	1.34E-05
	210 ALL		573017.8	4148727	1.34E-05
	185 ALL		573012.8	4148717	1.33E-05
	149 ALL		573007.8	4148707	1.32E-05
	219 ALL		573022.8	4148732	1.32E-05
	199 ALL		573017.8	4148722	1.31E-05
	168 ALL		573012.8	4148712	1.30E-05
	112 ALL		573002.8	4148697	1.29E-05
	211 ALL		573022.8	4148727	1.29E-05
	225 ALL		573027.8	4148737	1.29E-05
	186 ALL		573017.8	4148717	1.29E-05
	131 ALL		573007.8	4148702	1.28E-05
	150 ALL		573012.8	4148707	1.27E-05
	220 ALL		573027.8	4148732	1.27E-05
	200 ALL		573022.8	4148722	1.27E-05
	93 ALL		573002.8	4148692	1.26E-05
	169 ALL		573017.8	4148712	1.26E-05
	113 ALL		573007.8	4148697	1.25E-05
	212 ALL		573027.8	4148727	1.25E-05
	132 ALL		573012.8	4148702	1.24E-05
	187 ALL		573022.8	4148717	1.24E-05
	151 ALL		573017.8	4148707	1.23E-05
	75 ALL		573002.8	4148687	1.23E-05
	221 ALL		573032.8	4148732	1.22E-05
	201 ALL		573027.8	4148722	1.22E-05
	94 ALL		573007.8	4148692	1.22E-05
	170 ALL		573022.8	4148712	1.22E-05
	114 ALL		573012.8	4148697	1.21E-05
	213 ALL		573032.8	4148727	1.20E-05
	133 ALL		573017.8	4148702	1.20E-05
	188 ALL		573027.8	4148717	1.20E-05
	57 ALL		573002.8	4148682	1.19E-05
	152 ALL		573022.8	4148707	1.19E-05
	76 ALL		573007.8	4148687	1.19E-05
	222 ALL		573037.8	4148732	1.18E-05
	95 ALL		573012.8	4148692	1.18E-05
	202 ALL		573032.8	4148722	1.18E-05
	171 ALL		573027.8	4148712	1.18E-05
	115 ALL		573017.8	4148697	1.17E-05
	134 ALL		573022.8	4148702	1.16E-05
	214 ALL		573037.8	4148727	1.16E-05
	189 ALL		573032.8	4148717	1.16E-05
	58 ALL		573007.8	4148682	1.16E-05
	77 ALL		573012.8	4148687	1.15E-05

153 ALL	573027.8	4148707	1.15E-05
96 ALL	573017.8	4148692	1.15E-05
223 ALL	573042.8	4148732	1.14E-05
203 ALL	573037.8	4148722	1.14E-05
172 ALL	573032.8	4148712	1.14E-05
116 ALL	573022.8	4148697	1.14E-05
135 ALL	573027.8	4148702	1.13E-05
215 ALL	573042.8	4148727	1.12E-05
59 ALL	573012.8	4148682	1.12E-05
190 ALL	573037.8	4148717	1.12E-05
78 ALL	573017.8	4148687	1.12E-05
154 ALL	573032.8	4148707	1.11E-05
97 ALL	573022.8	4148692	1.11E-05
204 ALL	573042.8	4148722	1.11E-05
117 ALL	573027.8	4148697	1.10E-05
173 ALL	573037.8	4148712	1.10E-05
41 ALL	573012.8	4148677	1.10E-05
136 ALL	573032.8	4148702	1.09E-05
60 ALL	573017.8	4148682	1.09E-05
216 ALL	573047.8	4148727	1.09E-05
191 ALL	573042.8	4148717	1.09E-05
79 ALL	573022.8	4148687	1.09E-05
155 ALL	573037.8	4148707	1.08E-05
98 ALL	573027.8	4148692	1.08E-05
205 ALL	573047.8	4148722	1.07E-05
118 ALL	573032.8	4148697	1.07E-05
174 ALL	573042.8	4148712	1.07E-05
42 ALL	573017.8	4148677	1.06E-05
61 ALL	573022.8	4148682	1.06E-05
137 ALL	573037.8	4148702	1.06E-05
80 ALL	573027.8	4148687	1.05E-05
217 ALL	573052.8	4148727	1.05E-05
192 ALL	573047.8	4148717	1.05E-05
156 ALL	573042.8	4148707	1.05E-05
99 ALL	573032.8	4148692	1.05E-05
119 ALL	573037.8	4148697	1.04E-05
206 ALL	573052.8	4148722	1.04E-05
43 ALL	573022.8	4148677	1.03E-05
175 ALL	573047.8	4148712	1.03E-05
62 ALL	573027.8	4148682	1.03E-05
138 ALL	573042.8	4148702	1.03E-05
81 ALL	573032.8	4148687	1.02E-05
193 ALL	573052.8	4148717	1.02E-05
100 ALL	573037.8	4148692	1.02E-05
157 ALL	573047.8	4148707	1.02E-05
28 ALL	573022.8	4148672	1.01E-05
120 ALL	573042.8	4148697	1.01E-05

44 ALL	573027.8	4148677	1.01E-05
207 ALL	573057.8	4148722	1.01E-05
176 ALL	573052.8	4148712	1.00E-05
63 ALL	573032.8	4148682	1.00E-05
139 ALL	573047.8	4148702	9.97E-06
82 ALL	573037.8	4148687	9.95E-06
194 ALL	573057.8	4148717	9.90E-06
101 ALL	573042.8	4148692	9.87E-06
158 ALL	573052.8	4148707	9.86E-06
29 ALL	573027.8	4148672	9.83E-06
45 ALL	573032.8	4148677	9.79E-06
121 ALL	573047.8	4148697	9.79E-06
208 ALL	573062.8	4148722	9.76E-06
64 ALL	573037.8	4148682	9.74E-06
177 ALL	573057.8	4148712	9.74E-06
140 ALL	573052.8	4148702	9.69E-06
83 ALL	573042.8	4148687	9.68E-06
195 ALL	573062.8	4148717	9.61E-06
102 ALL	573047.8	4148692	9.60E-06
159 ALL	573057.8	4148707	9.58E-06
30 ALL	573032.8	4148672	9.57E-06
46 ALL	573037.8	4148677	9.53E-06
122 ALL	573052.8	4148697	9.51E-06
65 ALL	573042.8	4148682	9.48E-06
209 ALL	573067.8	4148722	9.47E-06
178 ALL	573062.8	4148712	9.46E-06
141 ALL	573057.8	4148702	9.41E-06
84 ALL	573047.8	4148687	9.41E-06
18 ALL	573032.8	4148667	9.36E-06
103 ALL	573052.8	4148692	9.33E-06
196 ALL	573067.8	4148717	9.33E-06
31 ALL	573037.8	4148672	9.33E-06
160 ALL	573062.8	4148707	9.30E-06
47 ALL	573042.8	4148677	9.28E-06
123 ALL	573057.8	4148697	9.25E-06
66 ALL	573047.8	4148682	9.22E-06
179 ALL	573067.8	4148712	9.19E-06
85 ALL	573052.8	4148687	9.16E-06
142 ALL	573062.8	4148702	9.15E-06
19 ALLtd>	573037.8	4148667	9.12E-06
32 ALL	573042.8	4148672	9.09E-06
104 ALL	573057.8	4148692	9.08E-06
197 ALL	573072.8	4148717	9.06E-06
161 ALL	573067.8	4148707	9.04E-06
48 ALL	573047.8	4148677	9.04E-06
124 ALL	573062.8	4148697	8.99E-06
67 ALL	573052.8	4148682	8.98E-06

180 ALL	573072.8	4148712	8.93E-06
86 ALL	573057.8	4148687	8.91E-06
143 ALL	573067.8	4148702	8.90E-06
20 ALL	573042.8	4148667	8.89E-06
33 ALL	573047.8	4148672	8.85E-06
105 ALL	573062.8	4148692	8.84E-06
198 ALL	573077.8	4148717	8.81E-06
49 ALL	573052.8	4148677	8.81E-06
162 ALL	573072.8	4148707	8.80E-06
125 ALL	573067.8	4148697	8.75E-06
68 ALL	573057.8	4148682	8.75E-06
11 ALL	573042.8	4148662	8.70E-06
181 ALL	573077.8	4148712	8.69E-06
87 ALL	573062.8	4148687	8.68E-06
21 ALL	573047.8	4148667	8.67E-06
144 ALL	573072.8	4148702	8.66E-06
34 ALL	573052.8	4148672	8.63E-06
106 ALL	573067.8	4148692	8.60E-06
50 ALL	573057.8	4148677	8.58E-06
163 ALL	573077.8	4148707	8.56E-06
69 ALL	573062.8	4148682	8.52E-06
126 ALL	573072.8	4148697	8.52E-06
12 ALL	573047.8	4148662	8.49E-06
22 ALL	573052.8	4148667	8.46E-06
88 ALL	573067.8	4148687	8.46E-06
182 ALL	573082.8	4148712	8.45E-06
145 ALL	573077.8	4148702	8.43E-06
35 ALL	573057.8	4148672	8.42E-06
107 ALL	573072.8	4148692	8.38E-06
51 ALL	573062.8	4148677	8.37E-06
164 ALL	573082.8	4148707	8.33E-06
70 ALL	573067.8	4148682	8.31E-06
127 ALL	573077.8	4148697	8.30E-06
13 ALL	573052.8	4148662	8.29E-06
23 ALL	573057.8	4148667	8.25E-06
89 ALL	573072.8	4148687	8.24E-06
183 ALL	573087.8	4148712	8.22E-06
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146 ALL	573082.8	4148702	8.21E-06
108 ALL	573077.8	4148692	8.17E-06
52 ALL	573067.8	4148677	8.16E-06
5 ALL	573052.8	4148657	8.12E-06
165 ALL	573087.8	4148707	8.11E-06
71 ALL	573072.8	4148682	8.10E-06
14 ALL	573057.8	4148662	8.09E-06
128 ALL	573082.8	4148697	8.08E-06
24 ALL	573062.8	4148667	8.06E-06

90 ALL	573077.8	4148687	8.03E-06
37 ALL	573067.8	4148672	8.01E-06
184 ALL	573092.8	4148712	8.01E-06
147 ALL	573087.8	4148702	8.00E-06
53 ALL	573072.8	4148677	7.96E-06
109 ALL	573082.8	4148692	7.96E-06
6 ALL	573057.8	4148657	7.93E-06
15 ALL	573062.8	4148662	7.90E-06
166 ALL	573092.8	4148707	7.90E-06
72 ALL	573077.8	4148682	7.90E-06
129 ALL	573087.8	4148697	7.88E-06
25 ALL	573067.8	4148667	7.86E-06
91 ALL	573082.8	4148687	7.83E-06
38 ALL	573072.8	4148672	7.82E-06
148 ALL	573092.8	4148702	7.79E-06
54 ALL	573077.8	4148677	7.77E-06
110 ALL	573087.8	4148692	7.76E-06
7 ALL	573062.8	4148657	7.75E-06
16 ALL	573067.8	4148662	7.72E-06
73 ALL	573082.8	4148682	7.71E-06
167 ALL	573097.8	4148707	7.70E-06
130 ALL	573092.8	4148697	7.68E-06
26 ALL	573072.8	4148667	7.68E-06
92 ALL	573087.8	4148687	7.64E-06
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1 ALL	573062.8	4148652	7.60E-06
55 ALL	573082.8	4148677	7.58E-06
8 ALL	573067.8	4148657	7.57E-06
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17 ALL	573072.8	4148662	7.54E-06
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9 ALL	573072.8	4148657	7.40E-06
56 ALL	573087.8	4148677	7.40E-06
3 ALL	573072.8	4148652	7.27E-06
10 ALL	573077.8	4148657	7.24E-06
4 ALL	573077.8	4148652	7.11E-06
544 ALL	572300.4	4149120	2.43E-06
504 ALL	572295.4	4149110	2.42E-06
681 ALL	572315.4	4149155	2.42E-06
641 ALL	572310.4	4149145	2.42E-06
406 ALL	572285.4	4149085	2.42E-06
602 ALL	572305.4	4149135	2.42E-06
465 ALL	572290.4	4149100	2.42E-06
564 ALL	572300.4	4149125	2.41E-06

306 ALL	572275.4	4149060	2.41E-06
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524 ALL	572295.4	4149115	2.41E-06
426 ALL	572285.4	4149090	2.41E-06
701 ALL	572315.4	4149160	2.41E-06
661 ALL	572310.4	4149150	2.41E-06
740 ALL	572320.4	4149170	2.41E-06
621 ALL	572305.4	4149140	2.40E-06
776 ALL	572325.4	4149180	2.40E-06
484 ALL	572290.4	4149105	2.40E-06
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326 ALL	572275.4	4149065	2.40E-06
386 ALL	572280.4	4149080	2.40E-06
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680 ALL	572310.4	4149155	2.39E-06
503 ALL	572290.4	4149110	2.39E-06
759 ALL	572320.4	4149175	2.39E-06
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239 ALL	572265.4	4149040	2.38E-06
464 ALL	572285.4	4149100	2.38E-06
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365 ALL	572275.4	4149075	2.38E-06
305 ALL	572270.4	4149060	2.38E-06
523 ALL	572290.4	4149115	2.38E-06
911 ALL	572345.4	4149220	2.38E-06
700 ALL	572310.4	4149160	2.37E-06
858 ALL	572335.4	4149205	2.37E-06
739 ALL	572315.4	4149170	2.37E-06
425 ALL	572280.4	4149090	2.37E-06
251 ALL	572265.4	4149045	2.37E-06
660 ALL	572305.4	4149150	2.37E-06
775 ALL	572320.4	4149180	2.37E-06
620 ALL	572300.4	4149140	2.37E-06
483 ALL	572285.4	4149105	2.37E-06
808 ALL	572325.4	4149190	2.37E-06
582 ALL	572295.4	4149130	2.37E-06
892 ALL	572340.4	4149215	2.37E-06

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266 ALL	572265.4	4149050	2.36E-06
542 ALL	572290.4	4149120	2.36E-06
444 ALL	572280.4	4149095	2.36E-06
230 ALL	572260.4	4149035	2.36E-06
719 ALL	572310.4	4149165	2.36E-06
679 ALL	572305.4	4149155	2.36E-06
758 ALL	572315.4	4149175	2.36E-06
639 ALL	572300.4	4149145	2.36E-06
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928 ALL	572345.4	4149225	2.36E-06
875 ALL	572335.4	4149210	2.36E-06
791 ALL	572320.4	4149185	2.35E-06
345 ALL	572270.4	4149070	2.35E-06
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404 ALL	572275.4	4149085	2.35E-06
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238 ALL	572260.4	4149040	2.35E-06
463 ALL	572280.4	4149100	2.35E-06
562 ALL	572290.4	4149125	2.35E-06
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857 ALL	572330.4	4149205	2.34E-06
699 ALL	572305.4	4149160	2.34E-06
738 ALL	572310.4	4149170	2.34E-06
522 ALL	572285.4	4149115	2.34E-06
364 ALL	572270.4	4149075	2.34E-06
304 ALL	572265.4	4149060	2.34E-06
659 ALL	572300.4	4149150	2.34E-06
774 ALL	572315.4	4149180	2.34E-06
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250 ALL	572260.4	4149045	2.34E-06
619 ALL	572295.4	4149140	2.34E-06
807 ALL	572320.4	4149190	2.34E-06
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482 ALL	572280.4	4149105	2.34E-06
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927 ALL	572340.4	4149225	2.33E-06
718 ALL	572305.4	4149165	2.33E-06

757 ALL	572310.4	4149175	2.33E-06
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678 ALL	572300.4	4149155	2.33E-06
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638 ALL	572295.4	4149145	2.32E-06
501 ALL	572280.4	4149110	2.32E-06
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599 ALL	572290.4	4149135	2.32E-06
344 ALL	572265.4	4149070	2.32E-06
403 ALL	572270.4	4149085	2.32E-06
909 ALL	572335.4	4149220	2.32E-06
284 ALL	572260.4	4149055	2.32E-06
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856 ALL	572325.4	4149205	2.32E-06
462 ALL	572275.4	4149100	2.31E-06
237 ALL	572255.4	4149040	2.31E-06
737 ALL	572305.4	4149170	2.31E-06
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618 ALL	572290.4	4149140	2.31E-06
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580 ALL	572285.4	4149130	2.30E-06
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717 ALL	572300.4	4149165	2.30E-06
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228 ALL	572250.4	4149035	2.29E-06

500 ALL	572275.4	4149110	2.29E-06
908 ALL	572330.4	4149220	2.29E-06
598 ALL	572285.4	4149135	2.29E-06
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402 ALL	572265.4	4149085	2.29E-06
283 ALL	572255.4	4149055	2.28E-06
560 ALL	572280.4	4149125	2.28E-06
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736 ALL	572300.4	4149170	2.28E-06
236 ALL	572250.4	4149040	2.28E-06
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697 ALL	572295.4	4149160	2.28E-06
889 ALL	572325.4	4149215	2.28E-06
805 ALL	572310.4	4149190	2.28E-06
657 ALL	572290.4	4149150	2.28E-06
520 ALL	572275.4	4149115	2.28E-06
362 ALL	572260.4	4149075	2.28E-06
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838 ALL	572315.4	4149200	2.28E-06
302 ALL	572255.4	4149060	2.27E-06
422 ALL	572265.4	4149090	2.27E-06
925 ALL	572330.4	4149225	2.27E-06
248 ALL	572250.4	4149045	2.27E-06
579 ALL	572280.4	4149130	2.27E-06
480 ALL	572270.4	4149105	2.27E-06
872 ALL	572320.4	4149210	2.27E-06
755 ALL	572300.4	4149175	2.27E-06
716 ALL	572295.4	4149165	2.27E-06
539 ALL	572275.4	4149120	2.27E-06
788 ALL	572305.4	4149185	2.26E-06
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676 ALL	572290.4	4149155	2.26E-06
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907 ALL	572325.4	4149220	2.26E-06
821 ALL	572310.4	4149195	2.26E-06
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263 ALL	572250.4	4149050	2.26E-06
636 ALL	572285.4	4149145	2.26E-06
499 ALL	572270.4	4149110	2.26E-06
854 ALL	572315.4	4149205	2.26E-06
597 ALL	572280.4	4149135	2.26E-06
227 ALL	572245.4	4149035	2.26E-06
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342 ALL	572255.4	4149070	2.25E-06
401 ALL	572260.4	4149085	2.25E-06

888 ALL	572320.4	4149215	2.25E-06
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282 ALL	572250.4	4149055	2.25E-06
735 ALL	572295.4	4149170	2.25E-06
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804 ALL	572305.4	4149190	2.25E-06
235 ALL	572245.4	4149040	2.25E-06
656 ALL	572285.4	4149150	2.25E-06
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519 ALL	572270.4	4149115	2.25E-06
924 ALL	572325.4	4149225	2.25E-06
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871 ALL	572315.4	4149210	2.24E-06
578 ALL	572275.4	4149130	2.24E-06
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715 ALL	572290.4	4149165	2.24E-06
787 ALL	572300.4	4149185	2.24E-06
906 ALL	572320.4	4149220	2.24E-06
675 ALL	572285.4	4149155	2.23E-06
538 ALL	572270.4	4149120	2.23E-06
820 ALL	572305.4	4149195	2.23E-06
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321 ALL	572250.4	4149065	2.23E-06
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440 ALL	572260.4	4149095	2.23E-06
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262 ALL	572245.4	4149050	2.23E-06
941 ALL	572325.4	4149230	2.23E-06
498 ALL	572265.4	4149110	2.23E-06
596 ALL	572275.4	4149135	2.23E-06
887 ALL	572315.4	4149215	2.23E-06
226 ALL	572240.4	4149035	2.23E-06
341 ALL	572250.4	4149070	2.22E-06
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770 ALL	572295.4	4149180	2.22E-06
400 ALL	572255.4	4149085	2.22E-06
558 ALL	572270.4	4149125	2.22E-06
803 ALL	572300.4	4149190	2.22E-06
695 ALL	572285.4	4149160	2.22E-06
281 ALL	572245.4	4149055	2.22E-06

459 ALL	572260.4	4149100	2.22E-06
836 ALL	572305.4	4149200	2.22E-06
923 ALL	572320.4	4149225	2.22E-06
655 ALL	572280.4	4149150	2.22E-06
234 ALL	572240.4	4149040	2.22E-06
518 ALL	572265.4	4149115	2.22E-06
615 ALL	572275.4	4149140	2.21E-06
870 ALL	572310.4	4149210	2.21E-06
360 ALL	572250.4	4149075	2.21E-06
420 ALL	572255.4	4149090	2.21E-06
300 ALL	572245.4	4149060	2.21E-06
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905 ALL	572315.4	4149220	2.21E-06
478 ALL	572260.4	4149105	2.21E-06
753 ALL	572290.4	4149175	2.21E-06
786 ALL	572295.4	4149185	2.21E-06
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714 ALL	572285.4	4149165	2.21E-06
819 ALL	572300.4	4149195	2.21E-06
674 ALL	572280.4	4149155	2.20E-06
537 ALL	572265.4	4149120	2.20E-06
852 ALL	572305.4	4149205	2.20E-06
634 ALL	572275.4	4149145	2.20E-06
380 ALL	572250.4	4149080	2.20E-06
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439 ALL	572255.4	4149095	2.20E-06
886 ALL	572310.4	4149215	2.20E-06
261 ALL	572240.4	4149050	2.20E-06
595 ALL	572270.4	4149135	2.20E-06
497 ALL	572260.4	4149110	2.20E-06
769 ALL	572290.4	4149180	2.19E-06
733 ALL	572285.4	4149170	2.19E-06
802 ALL	572295.4	4149190	2.19E-06
922 ALL	572315.4	4149225	2.19E-06
557 ALL	572265.4	4149125	2.19E-06
694 ALL	572280.4	4149160	2.19E-06
399 ALL	572250.4	4149085	2.19E-06
340 ALL	572245.4	4149070	2.19E-06
835 ALL	572300.4	4149200	2.19E-06
458 ALL	572255.4	4149100	2.19E-06
280 ALL	572240.4	4149055	2.19E-06
654 ALL	572275.4	4149150	2.19E-06
869 ALL	572305.4	4149210	2.19E-06
517 ALL	572260.4	4149115	2.19E-06
233 ALL	572235.4	4149040	2.19E-06

614 ALL	572270.4	4149140	2.19E-06
955 ALL	572320.4	4149235	2.18E-06
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576 ALL	572265.4	4149130	2.18E-06
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477 ALL	572255.4	4149105	2.18E-06
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613 ALL	572265.4	4149140	2.16E-06
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575 ALL	572260.4	4149130	2.15E-06

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817 ALL	572290.4	4149195	2.15E-06
712 ALL	572275.4	4149165	2.15E-06
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710 ALL	572265.4	4149165	2.10E-06
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630 ALL	572255.4	4149145	2.09E-06

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513 ALL	572240.4	4149115	2.07E-06
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830 ALL	572275.4	4149200	2.06E-06
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728 ALL	572260.4	4149170	2.06E-06

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649 ALL	572250.4	4149150	2.05E-06
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609 ALL	572245.4	4149140	2.05E-06
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668 ALL	572250.4	4149155	2.04E-06
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354 ALL	572220.4	4149075	2.04E-06
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472 ALL	572230.4	4149105	2.04E-06
628 ALL	572245.4	4149145	2.04E-06
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796 ALL	572265.4	4149190	2.03E-06
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763 ALL	572260.4	4149180	2.03E-06
863 ALL	572275.4	4149210	2.03E-06
971 ALL	572295.4	4149245	2.03E-06
240 ALL	572210.4	4149045	2.03E-06
727 ALL	572255.4	4149170	2.03E-06
898 ALL	572280.4	4149220	2.03E-06
589 ALL	572240.4	4149135	2.03E-06
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374 ALL	572220.4	4149080	2.03E-06
688 ALL	572250.4	4149160	2.03E-06

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812 ALL	572265.4	4149195	2.02E-06
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779 ALL	572260.4	4149185	2.02E-06
393 ALL	572220.4	4149085	2.02E-06
879 ALL	572275.4	4149215	2.02E-06
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762 ALL	572255.4	4149180	2.01E-06
897 ALL	572275.4	4149220	2.01E-06
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490 ALL	572225.4	4149110	2.00E-06
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778 ALL	572255.4	4149185	2.00E-06
878 ALL	572270.4	4149215	2.00E-06
745 ALL	572250.4	4149175	1.99E-06
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569 ALL	572230.4	4149130	1.99E-06
666 ALL	572240.4	4149155	1.99E-06
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930 ALL	572270.4	4149230	1.96E-06
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291 ALL	572200.4	4149060	1.96E-06
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488 ALL	572215.4	4149110	1.95E-06
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809 ALL	572250.4	4149195	1.95E-06
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912 ALL	572265.4	4149225	1.95E-06
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945 ALL	572270.4	4149235	1.95E-06
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704 ALL	572235.4	4149165	1.94E-06
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390 ALL	572205.4	4149085	1.94E-06
967 ALL	572275.4	4149245	1.94E-06
508 ALL	572215.4	4149115	1.94E-06
331 ALL	572200.4	4149070	1.94E-06
664 ALL	572230.4	4149155	1.94E-06

567 ALL	572220.4	4149130	1.94E-06
859 ALL	572255.4	4149210	1.94E-06
894 ALL	572260.4	4149220	1.94E-06
271 ALL	572195.4	4149055	1.94E-06
929 ALL	572265.4	4149230	1.94E-06
624 ALL	572225.4	4149145	1.94E-06
410 ALL	572205.4	4149090	1.93E-06
468 ALL	572210.4	4149105	1.93E-06
350 ALL	572200.4	4149075	1.93E-06
723 ALL	572235.4	4149170	1.93E-06
957 ALL	572270.4	4149240	1.93E-06
527 ALL	572215.4	4149120	1.93E-06
290 ALL	572195.4	4149060	1.93E-06
585 ALL	572220.4	4149135	1.93E-06
684 ALL	572230.4	4149160	1.93E-06
429 ALL	572205.4	4149095	1.93E-06
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370 ALL	572200.4	4149080	1.93E-06
644 ALL	572225.4	4149150	1.93E-06
547 ALL	572215.4	4149125	1.92E-06
310 ALL	572195.4	4149065	1.92E-06
742 ALL	572235.4	4149175	1.92E-06
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389 ALL	572200.4	4149085	1.92E-06
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387 ALL	572190.4	4149085	1.87E-06
328 ALL	572185.4	4149070	1.87E-06
268 ALL	572180.4	4149055	1.86E-06
407 ALL	572190.4	4149090	1.86E-06
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307 ALL	572180.4	4149065	1.85E-06
327 ALL	572180.4	4149070	1.84E-06

out File: C:\Users\jmcintire\Desktop\HARP2\123_INDEPENDENCE_CON_UNMIT\hra\Unmit_Con_123_Indep

SCENARIO	INH_RISK
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.34E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.34E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.33E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.32E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.32E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.31E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.30E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.29E-05
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.29E-05
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.21E-05
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	1.15E-05

endence_HRAInput.hra

*HARP - HRACalc v21081 4/17/2022 4:56:42 PM - Chronic Risk - Input File: C:\Users\imcintire\Desktop\HARP2\1:

REC	GRP	NETID	X	Y	SCENARIO
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	224 ALL		573022.8	4148737	NonCancerChronicDerived_InhSoilDermMMilk
	210 ALL		573017.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	185 ALL		573012.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	149 ALL		573007.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	219 ALL		573022.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	199 ALL		573017.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	168 ALL		573012.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	112 ALL		573002.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	211 ALL		573022.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	225 ALL		573027.8	4148737	NonCancerChronicDerived_InhSoilDermMMilk
	186 ALL		573017.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	131 ALL		573007.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	150 ALL		573012.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	220 ALL		573027.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	200 ALL		573022.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	93 ALL		573002.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	169 ALL		573017.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	113 ALL		573007.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	212 ALL		573027.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	132 ALL		573012.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	187 ALL		573022.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	151 ALL		573017.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	75 ALL		573002.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
	221 ALL		573032.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	201 ALL		573027.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	94 ALL		573007.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	170 ALL		573022.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	114 ALL		573012.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
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	188 ALL		573027.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	57 ALL		573002.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
	152 ALL		573022.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
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	95 ALL		573012.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	202 ALL		573032.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
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	115 ALL		573017.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	134 ALL		573022.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	214 ALL		573037.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	189 ALL		573032.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
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	77 ALL		573012.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk

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67 ALL	573052.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk

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163 ALL	573077.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
69 ALL	573062.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
126 ALL	573072.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
12 ALL	573047.8	4148662	NonCancerChronicDerived_InhSoilDermMMilk
22 ALL	573052.8	4148667	NonCancerChronicDerived_InhSoilDermMMilk
88 ALL	573067.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
182 ALL	573082.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
145 ALL	573077.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
35 ALL	573057.8	4148672	NonCancerChronicDerived_InhSoilDermMMilk
107 ALL	573072.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
51 ALL	573062.8	4148677	NonCancerChronicDerived_InhSoilDermMMilk
164 ALL	573082.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
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127 ALL	573077.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
13 ALL	573052.8	4148662	NonCancerChronicDerived_InhSoilDermMMilk
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108 ALL	573077.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
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342 ALL	572255.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
401 ALL	572260.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk

888 ALL	572320.4	4149215	NonCancerChronicDerived_InhSoilDermMMilk
559 ALL	572275.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk
282 ALL	572250.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
735 ALL	572295.4	4149170	NonCancerChronicDerived_InhSoilDermMMilk
771 ALL	572300.4	4149180	NonCancerChronicDerived_InhSoilDermMMilk
460 ALL	572265.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
696 ALL	572290.4	4149160	NonCancerChronicDerived_InhSoilDermMMilk
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787 ALL	572300.4	4149185	NonCancerChronicDerived_InhSoilDermMMilk
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847 ALL	572280.4	4149205	NonCancerChronicDerived_InhSoilDermMMilk
276 ALL	572220.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
748 ALL	572265.4	4149175	NonCancerChronicDerived_InhSoilDermMMilk
963 ALL	572300.4	4149240	NonCancerChronicDerived_InhSoilDermMMilk
881 ALL	572285.4	4149215	NonCancerChronicDerived_InhSoilDermMMilk
709 ALL	572260.4	4149165	NonCancerChronicDerived_InhSoilDermMMilk
572 ALL	572245.4	4149130	NonCancerChronicDerived_InhSoilDermMMilk
669 ALL	572255.4	4149155	NonCancerChronicDerived_InhSoilDermMMilk
917 ALL	572290.4	4149225	NonCancerChronicDerived_InhSoilDermMMilk
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629 ALL	572250.4	4149145	NonCancerChronicDerived_InhSoilDermMMilk
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388 ALL	572195.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
506 ALL	572205.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
662 ALL	572220.4	4149155	NonCancerChronicDerived_InhSoilDermMMilk
329 ALL	572190.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
565 ALL	572210.4	4149130	NonCancerChronicDerived_InhSoilDermMMilk
269 ALL	572185.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
622 ALL	572215.4	4149145	NonCancerChronicDerived_InhSoilDermMMilk
721 ALL	572225.4	4149170	NonCancerChronicDerived_InhSoilDermMMilk
466 ALL	572200.4	4149105	NonCancerChronicDerived_InhSoilDermMMilk
408 ALL	572195.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
525 ALL	572205.4	4149120	NonCancerChronicDerived_InhSoilDermMMilk
348 ALL	572190.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
682 ALL	572220.4	4149160	NonCancerChronicDerived_InhSoilDermMMilk
288 ALL	572185.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
642 ALL	572215.4	4149150	NonCancerChronicDerived_InhSoilDermMMilk
427 ALL	572195.4	4149095	NonCancerChronicDerived_InhSoilDermMMilk
485 ALL	572200.4	4149110	NonCancerChronicDerived_InhSoilDermMMilk
368 ALL	572190.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
545 ALL	572205.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk
308 ALL	572185.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
446 ALL	572195.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
505 ALL	572200.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
387 ALL	572190.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
328 ALL	572185.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
268 ALL	572180.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
407 ALL	572190.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
347 ALL	572185.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
287 ALL	572180.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
367 ALL	572185.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
307 ALL	572180.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
327 ALL	572180.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk

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218	ALL		573017.8	4148732	9.21E-06
224	ALL		573022.8	4148737	9.03E-06
210	ALL		573017.8	4148727	9.03E-06
185	ALL		573012.8	4148717	8.97E-06
149	ALL		573007.8	4148707	8.87E-06
219	ALL		573022.8	4148732	8.87E-06
199	ALL		573017.8	4148722	8.84E-06
168	ALL		573012.8	4148712	8.77E-06
112	ALL		573002.8	4148697	8.72E-06
211	ALL		573022.8	4148727	8.70E-06
225	ALL		573027.8	4148737	8.70E-06
186	ALL		573017.8	4148717	8.66E-06
131	ALL		573007.8	4148702	8.65E-06
150	ALL		573012.8	4148707	8.57E-06
220	ALL		573027.8	4148732	8.55E-06
200	ALL		573022.8	4148722	8.53E-06
93	ALL		573002.8	4148692	8.49E-06
169	ALL		573017.8	4148712	8.47E-06
113	ALL		573007.8	4148697	8.43E-06
212	ALL		573027.8	4148727	8.40E-06
132	ALL		573012.8	4148702	8.36E-06
187	ALL		573022.8	4148717	8.36E-06
151	ALL		573017.8	4148707	8.28E-06
75	ALL		573002.8	4148687	8.26E-06
221	ALL		573032.8	4148732	8.25E-06
201	ALL		573027.8	4148722	8.24E-06
94	ALL		573007.8	4148692	8.22E-06
170	ALL		573022.8	4148712	8.19E-06
114	ALL		573012.8	4148697	8.16E-06
213	ALL		573032.8	4148727	8.11E-06
133	ALL		573017.8	4148702	8.09E-06
188	ALL		573027.8	4148717	8.08E-06
57	ALL		573002.8	4148682	8.04E-06
152	ALL		573022.8	4148707	8.01E-06
76	ALL		573007.8	4148687	8.01E-06
222	ALL		573037.8	4148732	7.97E-06
95	ALL		573012.8	4148692	7.96E-06
202	ALL		573032.8	4148722	7.96E-06
171	ALL		573027.8	4148712	7.92E-06
115	ALL		573017.8	4148697	7.91E-06
134	ALL		573022.8	4148702	7.83E-06
214	ALL		573037.8	4148727	7.83E-06
189	ALL		573032.8	4148717	7.81E-06
58	ALL		573007.8	4148682	7.80E-06
77	ALL		573012.8	4148687	7.76E-06

153 ALL	573027.8	4148707	7.75E-06
96 ALL	573017.8	4148692	7.72E-06
223 ALL	573042.8	4148732	7.70E-06
203 ALL	573037.8	4148722	7.70E-06
172 ALL	573032.8	4148712	7.66E-06
116 ALL	573022.8	4148697	7.66E-06
135 ALL	573027.8	4148702	7.59E-06
215 ALL	573042.8	4148727	7.58E-06
59 ALL	573012.8	4148682	7.57E-06
190 ALL	573037.8	4148717	7.56E-06
78 ALL	573017.8	4148687	7.53E-06
154 ALL	573032.8	4148707	7.51E-06
97 ALL	573022.8	4148692	7.49E-06
204 ALL	573042.8	4148722	7.45E-06
117 ALL	573027.8	4148697	7.43E-06
173 ALL	573037.8	4148712	7.42E-06
41 ALL	573012.8	4148677	7.38E-06
136 ALL	573032.8	4148702	7.36E-06
60 ALL	573017.8	4148682	7.35E-06
216 ALL	573047.8	4148727	7.33E-06
191 ALL	573042.8	4148717	7.32E-06
79 ALL	573022.8	4148687	7.31E-06
155 ALL	573037.8	4148707	7.28E-06
98 ALL	573027.8	4148692	7.26E-06
205 ALL	573047.8	4148722	7.21E-06
118 ALL	573032.8	4148697	7.20E-06
174 ALL	573042.8	4148712	7.19E-06
42 ALL	573017.8	4148677	7.17E-06
61 ALL	573022.8	4148682	7.14E-06
137 ALL	573037.8	4148702	7.13E-06
80 ALL	573027.8	4148687	7.10E-06
217 ALL	573052.8	4148727	7.10E-06
192 ALL	573047.8	4148717	7.09E-06
156 ALL	573042.8	4148707	7.05E-06
99 ALL	573032.8	4148692	7.05E-06
119 ALL	573037.8	4148697	6.99E-06
206 ALL	573052.8	4148722	6.99E-06
43 ALL	573022.8	4148677	6.97E-06
175 ALL	573047.8	4148712	6.97E-06
62 ALL	573027.8	4148682	6.94E-06
138 ALL	573042.8	4148702	6.92E-06
81 ALL	573032.8	4148687	6.90E-06
193 ALL	573052.8	4148717	6.88E-06
100 ALL	573037.8	4148692	6.85E-06
157 ALL	573047.8	4148707	6.84E-06
28 ALL	573022.8	4148672	6.80E-06
120 ALL	573042.8	4148697	6.79E-06

44 ALL	573027.8	4148677	6.78E-06
207 ALL	573057.8	4148722	6.78E-06
176 ALL	573052.8	4148712	6.76E-06
63 ALL	573032.8	4148682	6.75E-06
139 ALL	573047.8	4148702	6.72E-06
82 ALL	573037.8	4148687	6.70E-06
194 ALL	573057.8	4148717	6.67E-06
101 ALL	573042.8	4148692	6.65E-06
158 ALL	573052.8	4148707	6.64E-06
29 ALL	573027.8	4148672	6.62E-06
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121 ALL	573047.8	4148697	6.59E-06
208 ALL	573062.8	4148722	6.57E-06
64 ALL	573037.8	4148682	6.56E-06
177 ALL	573057.8	4148712	6.56E-06
140 ALL	573052.8	4148702	6.52E-06
83 ALL	573042.8	4148687	6.52E-06
195 ALL	573062.8	4148717	6.47E-06
102 ALL	573047.8	4148692	6.47E-06
159 ALL	573057.8	4148707	6.45E-06
30 ALL	573032.8	4148672	6.45E-06
46 ALL	573037.8	4148677	6.42E-06
122 ALL	573052.8	4148697	6.41E-06
65 ALL	573042.8	4148682	6.38E-06
209 ALL	573067.8	4148722	6.38E-06
178 ALL	573062.8	4148712	6.37E-06
141 ALL	573057.8	4148702	6.34E-06
84 ALL	573047.8	4148687	6.34E-06
18 ALL	573032.8	4148667	6.30E-06
103 ALL	573052.8	4148692	6.29E-06
196 ALL	573067.8	4148717	6.28E-06
31 ALL	573037.8	4148672	6.28E-06
160 ALL	573062.8	4148707	6.27E-06
47 ALL	573042.8	4148677	6.25E-06
123 ALL	573057.8	4148697	6.23E-06
66 ALL	573047.8	4148682	6.21E-06
179 ALL	573067.8	4148712	6.19E-06
85 ALL	573052.8	4148687	6.17E-06
142 ALL	573062.8	4148702	6.16E-06
19 ALLtd>	573037.8	4148667	6.14E-06
32 ALL	573042.8	4148672	6.12E-06
104 ALL	573057.8	4148692	6.12E-06
197 ALL	573072.8	4148717	6.11E-06
161 ALL	573067.8	4148707	6.09E-06
48 ALL	573047.8	4148677	6.09E-06
124 ALL	573062.8	4148697	6.06E-06
67 ALL	573052.8	4148682	6.05E-06

180 ALL	573072.8	4148712	6.02E-06
86 ALL	573057.8	4148687	6.00E-06
143 ALL	573067.8	4148702	5.99E-06
20 ALL	573042.8	4148667	5.99E-06
33 ALL	573047.8	4148672	5.96E-06
105 ALL	573062.8	4148692	5.95E-06
198 ALL	573077.8	4148717	5.94E-06
49 ALL	573052.8	4148677	5.93E-06
162 ALL	573072.8	4148707	5.92E-06
125 ALL	573067.8	4148697	5.90E-06
68 ALL	573057.8	4148682	5.89E-06
11 ALL	573042.8	4148662	5.86E-06
181 ALL	573077.8	4148712	5.85E-06
87 ALL	573062.8	4148687	5.85E-06
21 ALL	573047.8	4148667	5.84E-06
144 ALL	573072.8	4148702	5.83E-06
34 ALL	573052.8	4148672	5.81E-06
106 ALL	573067.8	4148692	5.80E-06
50 ALL	573057.8	4148677	5.78E-06
163 ALL	573077.8	4148707	5.76E-06
69 ALL	573062.8	4148682	5.74E-06
126 ALL	573072.8	4148697	5.74E-06
12 ALL	573047.8	4148662	5.72E-06
22 ALL	573052.8	4148667	5.70E-06
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182 ALL	573082.8	4148712	5.69E-06
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35 ALL	573057.8	4148672	5.67E-06
107 ALL	573072.8	4148692	5.65E-06
51 ALL	573062.8	4148677	5.64E-06
164 ALL	573082.8	4148707	5.61E-06
70 ALL	573067.8	4148682	5.60E-06
127 ALL	573077.8	4148697	5.59E-06
13 ALL	573052.8	4148662	5.58E-06
23 ALL	573057.8	4148667	5.56E-06
89 ALL	573072.8	4148687	5.55E-06
183 ALL	573087.8	4148712	5.54E-06
36 ALL	573062.8	4148672	5.53E-06
146 ALL	573082.8	4148702	5.53E-06
108 ALL	573077.8	4148692	5.50E-06
52 ALL	573067.8	4148677	5.50E-06
5 ALL	573052.8	4148657	5.47E-06
165 ALL	573087.8	4148707	5.46E-06
71 ALL	573072.8	4148682	5.46E-06
14 ALL	573057.8	4148662	5.45E-06
128 ALL	573082.8	4148697	5.45E-06
24 ALL	573062.8	4148667	5.43E-06

90 ALL	573077.8	4148687	5.41E-06
37 ALL	573067.8	4148672	5.40E-06
184 ALL	573092.8	4148712	5.39E-06
147 ALL	573087.8	4148702	5.39E-06
53 ALL	573072.8	4148677	5.36E-06
109 ALL	573082.8	4148692	5.36E-06
6 ALL	573057.8	4148657	5.34E-06
15 ALL	573062.8	4148662	5.32E-06
166 ALL	573092.8	4148707	5.32E-06
72 ALL	573077.8	4148682	5.32E-06
129 ALL	573087.8	4148697	5.31E-06
25 ALL	573067.8	4148667	5.30E-06
91 ALL	573082.8	4148687	5.28E-06
38 ALL	573072.8	4148672	5.27E-06
148 ALL	573092.8	4148702	5.25E-06
54 ALL	573077.8	4148677	5.23E-06
110 ALL	573087.8	4148692	5.23E-06
7 ALL	573062.8	4148657	5.22E-06
16 ALL	573067.8	4148662	5.20E-06
73 ALL	573082.8	4148682	5.19E-06
167 ALL	573097.8	4148707	5.19E-06
130 ALL	573092.8	4148697	5.17E-06
26 ALL	573072.8	4148667	5.17E-06
92 ALL	573087.8	4148687	5.15E-06
39 ALL	573077.8	4148672	5.14E-06
1 ALL	573062.8	4148652	5.12E-06
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8 ALL	573067.8	4148657	5.10E-06
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17 ALL	573072.8	4148662	5.08E-06
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2 ALL	573067.8	4148652	5.01E-06
9 ALL	573072.8	4148657	4.99E-06
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3 ALL	573072.8	4148652	4.89E-06
10 ALL	573077.8	4148657	4.88E-06
4 ALL	573077.8	4148652	4.79E-06
544 ALL	572300.4	4149120	1.64E-06
504 ALL	572295.4	4149110	1.63E-06
681 ALL	572315.4	4149155	1.63E-06
641 ALL	572310.4	4149145	1.63E-06
406 ALL	572285.4	4149085	1.63E-06
602 ALL	572305.4	4149135	1.63E-06
465 ALL	572290.4	4149100	1.63E-06
564 ALL	572300.4	4149125	1.63E-06

306 ALL	572275.4	4149060	1.62E-06
366 ALL	572280.4	4149075	1.62E-06
524 ALL	572295.4	4149115	1.62E-06
426 ALL	572285.4	4149090	1.62E-06
701 ALL	572315.4	4149160	1.62E-06
661 ALL	572310.4	4149150	1.62E-06
740 ALL	572320.4	4149170	1.62E-06
621 ALL	572305.4	4149140	1.62E-06
776 ALL	572325.4	4149180	1.62E-06
484 ALL	572290.4	4149105	1.62E-06
583 ALL	572300.4	4149130	1.62E-06
326 ALL	572275.4	4149065	1.62E-06
386 ALL	572280.4	4149080	1.62E-06
267 ALL	572270.4	4149050	1.62E-06
543 ALL	572295.4	4149120	1.61E-06
445 ALL	572285.4	4149095	1.61E-06
893 ALL	572345.4	4149215	1.61E-06
680 ALL	572310.4	4149155	1.61E-06
720 ALL	572315.4	4149165	1.61E-06
503 ALL	572290.4	4149110	1.61E-06
759 ALL	572320.4	4149175	1.61E-06
640 ALL	572305.4	4149145	1.61E-06
346 ALL	572275.4	4149070	1.61E-06
286 ALL	572270.4	4149055	1.61E-06
405 ALL	572280.4	4149085	1.61E-06
792 ALL	572325.4	4149185	1.61E-06
601 ALL	572300.4	4149135	1.61E-06
239 ALL	572265.4	4149040	1.61E-06
464 ALL	572285.4	4149100	1.60E-06
563 ALL	572295.4	4149125	1.60E-06
825 ALL	572330.4	4149195	1.60E-06
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305 ALL	572270.4	4149060	1.60E-06
523 ALL	572290.4	4149115	1.60E-06
911 ALL	572345.4	4149220	1.60E-06
700 ALL	572310.4	4149160	1.60E-06
858 ALL	572335.4	4149205	1.60E-06
739 ALL	572315.4	4149170	1.60E-06
425 ALL	572280.4	4149090	1.60E-06
251 ALL	572265.4	4149045	1.60E-06
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775 ALL	572320.4	4149180	1.60E-06
620 ALL	572300.4	4149140	1.60E-06
483 ALL	572285.4	4149105	1.60E-06
808 ALL	572325.4	4149190	1.60E-06
582 ALL	572295.4	4149130	1.59E-06
892 ALL	572340.4	4149215	1.59E-06

325 ALL	572270.4	4149065	1.59E-06
385 ALL	572275.4	4149080	1.59E-06
841 ALL	572330.4	4149200	1.59E-06
266 ALL	572265.4	4149050	1.59E-06
542 ALL	572290.4	4149120	1.59E-06
444 ALL	572280.4	4149095	1.59E-06
230 ALL	572260.4	4149035	1.59E-06
719 ALL	572310.4	4149165	1.59E-06
679 ALL	572305.4	4149155	1.59E-06
758 ALL	572315.4	4149175	1.59E-06
639 ALL	572300.4	4149145	1.59E-06
502 ALL	572285.4	4149110	1.59E-06
875 ALL	572335.4	4149210	1.59E-06
928 ALL	572345.4	4149225	1.59E-06
791 ALL	572320.4	4149185	1.59E-06
345 ALL	572270.4	4149070	1.58E-06
600 ALL	572295.4	4149135	1.58E-06
285 ALL	572265.4	4149055	1.58E-06
404 ALL	572275.4	4149085	1.58E-06
824 ALL	572325.4	4149195	1.58E-06
238 ALL	572260.4	4149040	1.58E-06
463 ALL	572280.4	4149100	1.58E-06
562 ALL	572290.4	4149125	1.58E-06
910 ALL	572340.4	4149220	1.58E-06
857 ALL	572330.4	4149205	1.58E-06
699 ALL	572305.4	4149160	1.58E-06
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522 ALL	572285.4	4149115	1.58E-06
364 ALL	572270.4	4149075	1.58E-06
304 ALL	572265.4	4149060	1.58E-06
659 ALL	572300.4	4149150	1.58E-06
774 ALL	572315.4	4149180	1.58E-06
424 ALL	572275.4	4149090	1.58E-06
250 ALL	572260.4	4149045	1.58E-06
619 ALL	572295.4	4149140	1.58E-06
807 ALL	572320.4	4149190	1.57E-06
891 ALL	572335.4	4149215	1.57E-06
482 ALL	572280.4	4149105	1.57E-06
581 ALL	572290.4	4149130	1.57E-06
840 ALL	572325.4	4149200	1.57E-06
324 ALL	572265.4	4149065	1.57E-06
384 ALL	572270.4	4149080	1.57E-06
541 ALL	572285.4	4149120	1.57E-06
265 ALL	572260.4	4149050	1.57E-06
443 ALL	572275.4	4149095	1.57E-06
927 ALL	572340.4	4149225	1.57E-06
718 ALL	572305.4	4149165	1.57E-06

757 ALL	572310.4	4149175	1.57E-06
874 ALL	572330.4	4149210	1.57E-06
678 ALL	572300.4	4149155	1.57E-06
790 ALL	572315.4	4149185	1.57E-06
229 ALL	572255.4	4149035	1.57E-06
638 ALL	572295.4	4149145	1.57E-06
501 ALL	572280.4	4149110	1.56E-06
823 ALL	572320.4	4149195	1.56E-06
599 ALL	572290.4	4149135	1.56E-06
344 ALL	572265.4	4149070	1.56E-06
403 ALL	572270.4	4149085	1.56E-06
909 ALL	572335.4	4149220	1.56E-06
284 ALL	572260.4	4149055	1.56E-06
561 ALL	572285.4	4149125	1.56E-06
856 ALL	572325.4	4149205	1.56E-06
462 ALL	572275.4	4149100	1.56E-06
237 ALL	572255.4	4149040	1.56E-06
737 ALL	572305.4	4149170	1.56E-06
698 ALL	572300.4	4149160	1.56E-06
773 ALL	572310.4	4149180	1.56E-06
521 ALL	572280.4	4149115	1.56E-06
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423 ALL	572270.4	4149090	1.55E-06
618 ALL	572290.4	4149140	1.55E-06
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839 ALL	572320.4	4149200	1.55E-06
481 ALL	572275.4	4149105	1.55E-06
580 ALL	572285.4	4149130	1.55E-06
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873 ALL	572325.4	4149210	1.55E-06
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383 ALL	572265.4	4149080	1.55E-06
540 ALL	572280.4	4149120	1.55E-06
717 ALL	572300.4	4149165	1.55E-06
756 ALL	572305.4	4149175	1.55E-06
677 ALL	572295.4	4149155	1.55E-06
264 ALL	572255.4	4149050	1.55E-06
442 ALL	572270.4	4149095	1.55E-06
789 ALL	572310.4	4149185	1.55E-06
637 ALL	572290.4	4149145	1.54E-06
822 ALL	572315.4	4149195	1.54E-06
228 ALL	572250.4	4149035	1.54E-06

500 ALL	572275.4	4149110	1.54E-06
908 ALL	572330.4	4149220	1.54E-06
598 ALL	572285.4	4149135	1.54E-06
855 ALL	572320.4	4149205	1.54E-06
343 ALL	572260.4	4149070	1.54E-06
402 ALL	572265.4	4149085	1.54E-06
283 ALL	572255.4	4149055	1.54E-06
560 ALL	572280.4	4149125	1.54E-06
461 ALL	572270.4	4149100	1.54E-06
736 ALL	572300.4	4149170	1.54E-06
236 ALL	572250.4	4149040	1.54E-06
943 ALL	572335.4	4149230	1.54E-06
697 ALL	572295.4	4149160	1.54E-06
772 ALL	572305.4	4149180	1.54E-06
889 ALL	572325.4	4149215	1.54E-06
805 ALL	572310.4	4149190	1.53E-06
657 ALL	572290.4	4149150	1.53E-06
520 ALL	572275.4	4149115	1.53E-06
362 ALL	572260.4	4149075	1.53E-06
617 ALL	572285.4	4149140	1.53E-06
838 ALL	572315.4	4149200	1.53E-06
302 ALL	572255.4	4149060	1.53E-06
422 ALL	572265.4	4149090	1.53E-06
925 ALL	572330.4	4149225	1.53E-06
248 ALL	572250.4	4149045	1.53E-06
480 ALL	572270.4	4149105	1.53E-06
579 ALL	572280.4	4149130	1.53E-06
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755 ALL	572300.4	4149175	1.53E-06
716 ALL	572295.4	4149165	1.53E-06
539 ALL	572275.4	4149120	1.53E-06
788 ALL	572305.4	4149185	1.53E-06
676 ALL	572290.4	4149155	1.53E-06
382 ALL	572260.4	4149080	1.53E-06
322 ALL	572255.4	4149065	1.53E-06
907 ALL	572325.4	4149220	1.52E-06
441 ALL	572265.4	4149095	1.52E-06
821 ALL	572310.4	4149195	1.52E-06
263 ALL	572250.4	4149050	1.52E-06
636 ALL	572285.4	4149145	1.52E-06
499 ALL	572270.4	4149110	1.52E-06
854 ALL	572315.4	4149205	1.52E-06
597 ALL	572280.4	4149135	1.52E-06
227 ALL	572245.4	4149035	1.52E-06
942 ALL	572330.4	4149230	1.52E-06
342 ALL	572255.4	4149070	1.52E-06
401 ALL	572260.4	4149085	1.52E-06

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559 ALL	572275.4	4149125	1.52E-06
282 ALL	572250.4	4149055	1.52E-06
735 ALL	572295.4	4149170	1.52E-06
771 ALL	572300.4	4149180	1.52E-06
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696 ALL	572290.4	4149160	1.52E-06
804 ALL	572305.4	4149190	1.52E-06
235 ALL	572245.4	4149040	1.51E-06
656 ALL	572285.4	4149150	1.51E-06
837 ALL	572310.4	4149200	1.51E-06
519 ALL	572270.4	4149115	1.51E-06
924 ALL	572325.4	4149225	1.51E-06
616 ALL	572280.4	4149140	1.51E-06
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578 ALL	572275.4	4149130	1.51E-06
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754 ALL	572295.4	4149175	1.51E-06
715 ALL	572290.4	4149165	1.51E-06
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906 ALL	572320.4	4149220	1.51E-06
675 ALL	572285.4	4149155	1.51E-06
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820 ALL	572305.4	4149195	1.50E-06
381 ALL	572255.4	4149080	1.50E-06
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262 ALL	572245.4	4149050	1.50E-06
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941 ALL	572325.4	4149230	1.50E-06
596 ALL	572275.4	4149135	1.50E-06
887 ALL	572315.4	4149215	1.50E-06
226 ALL	572240.4	4149035	1.50E-06
770 ALL	572295.4	4149180	1.50E-06
341 ALL	572250.4	4149070	1.50E-06
558 ALL	572270.4	4149125	1.50E-06
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400 ALL	572255.4	4149085	1.50E-06
803 ALL	572300.4	4149190	1.50E-06
695 ALL	572285.4	4149160	1.50E-06
281 ALL	572245.4	4149055	1.50E-06

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615 ALL	572275.4	4149140	1.49E-06
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711 ALL	572270.4	4149165	1.43E-06
357 ALL	572235.4	4149075	1.43E-06
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782 ALL	572275.4	4149185	1.41E-06
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670 ALL	572260.4	4149155	1.41E-06
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630 ALL	572255.4	4149145	1.41E-06

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688 ALL	572250.4	4149160	1.37E-06

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948 ALL	572285.4	4149235	1.36E-06
667 ALL	572245.4	4149155	1.36E-06
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647 ALL	572240.4	4149150	1.35E-06
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811 ALL	572260.4	4149195	1.35E-06

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451 ALL	572220.4	4149100	1.34E-06
333 ALL	572210.4	4149070	1.34E-06
706 ALL	572245.4	4149165	1.34E-06
510 ALL	572225.4	4149115	1.34E-06
947 ALL	572280.4	4149235	1.34E-06
273 ALL	572205.4	4149055	1.34E-06
569 ALL	572230.4	4149130	1.34E-06
666 ALL	572240.4	4149155	1.34E-06
969 ALL	572285.4	4149245	1.34E-06
827 ALL	572260.4	4149200	1.34E-06
412 ALL	572215.4	4149090	1.34E-06
861 ALL	572265.4	4149210	1.34E-06
794 ALL	572255.4	4149190	1.34E-06
470 ALL	572220.4	4149105	1.34E-06
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896 ALL	572270.4	4149220	1.34E-06
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431 ALL	572215.4	4149095	1.33E-06
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683 ALL	572225.4	4149160	1.28E-06
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643 ALL	572220.4	4149150	1.28E-06
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721 ALL	572225.4	4149170	1.27E-06
466 ALL	572200.4	4149105	1.27E-06
408 ALL	572195.4	4149090	1.27E-06
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348 ALL	572190.4	4149075	1.27E-06
682 ALL	572220.4	4149160	1.27E-06
288 ALL	572185.4	4149060	1.27E-06
642 ALL	572215.4	4149150	1.27E-06
427 ALL	572195.4	4149095	1.26E-06
485 ALL	572200.4	4149110	1.26E-06
368 ALL	572190.4	4149080	1.26E-06
545 ALL	572205.4	4149125	1.26E-06
308 ALL	572185.4	4149065	1.26E-06
446 ALL	572195.4	4149100	1.26E-06
505 ALL	572200.4	4149115	1.26E-06
387 ALL	572190.4	4149085	1.26E-06
328 ALL	572185.4	4149070	1.26E-06
268 ALL	572180.4	4149055	1.26E-06
407 ALL	572190.4	4149090	1.25E-06
347 ALL	572185.4	4149075	1.25E-06
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367 ALL	572185.4	4149080	1.25E-06
307 ALL	572180.4	4149065	1.25E-06
327 ALL	572180.4	4149070	1.24E-06

out File: C:\Users\jmcintire\Desktop\HARP2\123_INDEPENDENCE_CON_UNMIT\hra\Mit_Con_123_Inde

SCENARIO	INH_RISK
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.03E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	9.03E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.97E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.87E-06
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.84E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.77E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	8.72E-06
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2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	7.81E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	7.80E-06
2.94YrCancerDerived_InhSoilDermMMilk_FAH16to70	7.76E-06

pendence_HRAInput.hra

*HARP - HRACalc v21081 4/17/2022 4:59:26 PM - Chronic Risk - Input File: C:\Users\imcintire\Desktop\HARP2

REC	GRP	NETID	X	Y	SCENARIO
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	224 ALL		573022.8	4148737	NonCancerChronicDerived_InhSoilDermMMilk
	210 ALL		573017.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	185 ALL		573012.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	149 ALL		573007.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	219 ALL		573022.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	199 ALL		573017.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	168 ALL		573012.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	112 ALL		573002.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	211 ALL		573022.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	225 ALL		573027.8	4148737	NonCancerChronicDerived_InhSoilDermMMilk
	186 ALL		573017.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	131 ALL		573007.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	150 ALL		573012.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	220 ALL		573027.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	200 ALL		573022.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	93 ALL		573002.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	169 ALL		573017.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	113 ALL		573007.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	212 ALL		573027.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	132 ALL		573012.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	187 ALL		573022.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	151 ALL		573017.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
	75 ALL		573002.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
	221 ALL		573032.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
	201 ALL		573027.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	94 ALL		573007.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	170 ALL		573022.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	114 ALL		573012.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	213 ALL		573032.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	133 ALL		573017.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	188 ALL		573027.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	57 ALL		573002.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
	152 ALL		573022.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
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	95 ALL		573012.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
	202 ALL		573032.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
	171 ALL		573027.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
	115 ALL		573017.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
	134 ALL		573022.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
	214 ALL		573037.8	4148727	NonCancerChronicDerived_InhSoilDermMMilk
	189 ALL		573032.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
	58 ALL		573007.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
	77 ALL		573012.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk

153 ALL	573027.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
96 ALL	573017.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
223 ALL	573042.8	4148732	NonCancerChronicDerived_InhSoilDermMMilk
203 ALL	573037.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
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59 ALL	573012.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
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61 ALL	573022.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
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43 ALL	573022.8	4148677	NonCancerChronicDerived_InhSoilDermMMilk
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138 ALL	573042.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
81 ALL	573032.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
193 ALL	573052.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
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157 ALL	573047.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
28 ALL	573022.8	4148672	NonCancerChronicDerived_InhSoilDermMMilk
120 ALL	573042.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk

44 ALL	573027.8	4148677	NonCancerChronicDerived_InhSoilDermMMilk
207 ALL	573057.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
176 ALL	573052.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
63 ALL	573032.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
139 ALL	573047.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
82 ALL	573037.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
194 ALL	573057.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
101 ALL	573042.8	4148692	NonCancerChronicDerived_InhSoilDermMMilk
158 ALL	573052.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
29 ALL	573027.8	4148672	NonCancerChronicDerived_InhSoilDermMMilk
45 ALL	573032.8	4148677	NonCancerChronicDerived_InhSoilDermMMilk
121 ALL	573047.8	4148697	NonCancerChronicDerived_InhSoilDermMMilk
208 ALL	573062.8	4148722	NonCancerChronicDerived_InhSoilDermMMilk
64 ALL	573037.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
177 ALL	573057.8	4148712	NonCancerChronicDerived_InhSoilDermMMilk
140 ALL	573052.8	4148702	NonCancerChronicDerived_InhSoilDermMMilk
83 ALL	573042.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
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65 ALL	573042.8	4148682	NonCancerChronicDerived_InhSoilDermMMilk
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196 ALL	573067.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
31 ALL	573037.8	4148672	NonCancerChronicDerived_InhSoilDermMMilk
160 ALL	573062.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
47 ALL	573042.8	4148677	NonCancerChronicDerived_InhSoilDermMMilk
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85 ALL	573052.8	4148687	NonCancerChronicDerived_InhSoilDermMMilk
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197 ALL	573072.8	4148717	NonCancerChronicDerived_InhSoilDermMMilk
161 ALL	573067.8	4148707	NonCancerChronicDerived_InhSoilDermMMilk
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564 ALL	572300.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk

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926 ALL	572335.4	4149225	NonCancerChronicDerived_InhSoilDermMMilk
873 ALL	572325.4	4149210	NonCancerChronicDerived_InhSoilDermMMilk
323 ALL	572260.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
383 ALL	572265.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
540 ALL	572280.4	4149120	NonCancerChronicDerived_InhSoilDermMMilk
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945 ALL	572270.4	4149235	NonCancerChronicDerived_InhSoilDermMMilk
252 ALL	572195.4	4149050	NonCancerChronicDerived_InhSoilDermMMilk
605 ALL	572225.4	4149140	NonCancerChronicDerived_InhSoilDermMMilk
704 ALL	572235.4	4149165	NonCancerChronicDerived_InhSoilDermMMilk
449 ALL	572210.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
390 ALL	572205.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
967 ALL	572275.4	4149245	NonCancerChronicDerived_InhSoilDermMMilk
508 ALL	572215.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
331 ALL	572200.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
664 ALL	572230.4	4149155	NonCancerChronicDerived_InhSoilDermMMilk

567 ALL	572220.4	4149130	NonCancerChronicDerived_InhSoilDermMMilk
859 ALL	572255.4	4149210	NonCancerChronicDerived_InhSoilDermMMilk
894 ALL	572260.4	4149220	NonCancerChronicDerived_InhSoilDermMMilk
271 ALL	572195.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
929 ALL	572265.4	4149230	NonCancerChronicDerived_InhSoilDermMMilk
624 ALL	572225.4	4149145	NonCancerChronicDerived_InhSoilDermMMilk
410 ALL	572205.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
468 ALL	572210.4	4149105	NonCancerChronicDerived_InhSoilDermMMilk
350 ALL	572200.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
957 ALL	572270.4	4149240	NonCancerChronicDerived_InhSoilDermMMilk
723 ALL	572235.4	4149170	NonCancerChronicDerived_InhSoilDermMMilk
527 ALL	572215.4	4149120	NonCancerChronicDerived_InhSoilDermMMilk
290 ALL	572195.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
585 ALL	572220.4	4149135	NonCancerChronicDerived_InhSoilDermMMilk
684 ALL	572230.4	4149160	NonCancerChronicDerived_InhSoilDermMMilk
429 ALL	572205.4	4149095	NonCancerChronicDerived_InhSoilDermMMilk
487 ALL	572210.4	4149110	NonCancerChronicDerived_InhSoilDermMMilk
370 ALL	572200.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
644 ALL	572225.4	4149150	NonCancerChronicDerived_InhSoilDermMMilk
547 ALL	572215.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk
310 ALL	572195.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
742 ALL	572235.4	4149175	NonCancerChronicDerived_InhSoilDermMMilk
604 ALL	572220.4	4149140	NonCancerChronicDerived_InhSoilDermMMilk
703 ALL	572230.4	4149165	NonCancerChronicDerived_InhSoilDermMMilk
448 ALL	572205.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
389 ALL	572200.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
507 ALL	572210.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
330 ALL	572195.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
663 ALL	572225.4	4149155	NonCancerChronicDerived_InhSoilDermMMilk
566 ALL	572215.4	4149130	NonCancerChronicDerived_InhSoilDermMMilk
270 ALL	572190.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
623 ALL	572220.4	4149145	NonCancerChronicDerived_InhSoilDermMMilk
409 ALL	572200.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
467 ALL	572205.4	4149105	NonCancerChronicDerived_InhSoilDermMMilk
722 ALL	572230.4	4149170	NonCancerChronicDerived_InhSoilDermMMilk
349 ALL	572195.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
526 ALL	572210.4	4149120	NonCancerChronicDerived_InhSoilDermMMilk
683 ALL	572225.4	4149160	NonCancerChronicDerived_InhSoilDermMMilk
584 ALL	572215.4	4149135	NonCancerChronicDerived_InhSoilDermMMilk
289 ALL	572190.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
428 ALL	572200.4	4149095	NonCancerChronicDerived_InhSoilDermMMilk
643 ALL	572220.4	4149150	NonCancerChronicDerived_InhSoilDermMMilk
486 ALL	572205.4	4149110	NonCancerChronicDerived_InhSoilDermMMilk
369 ALL	572195.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
546 ALL	572210.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk
741 ALL	572230.4	4149175	NonCancerChronicDerived_InhSoilDermMMilk
309 ALL	572190.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk

603 ALL	572215.4	4149140	NonCancerChronicDerived_InhSoilDermMMilk
702 ALL	572225.4	4149165	NonCancerChronicDerived_InhSoilDermMMilk
447 ALL	572200.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
388 ALL	572195.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
506 ALL	572205.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
662 ALL	572220.4	4149155	NonCancerChronicDerived_InhSoilDermMMilk
329 ALL	572190.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
565 ALL	572210.4	4149130	NonCancerChronicDerived_InhSoilDermMMilk
269 ALL	572185.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
622 ALL	572215.4	4149145	NonCancerChronicDerived_InhSoilDermMMilk
721 ALL	572225.4	4149170	NonCancerChronicDerived_InhSoilDermMMilk
466 ALL	572200.4	4149105	NonCancerChronicDerived_InhSoilDermMMilk
408 ALL	572195.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
525 ALL	572205.4	4149120	NonCancerChronicDerived_InhSoilDermMMilk
348 ALL	572190.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
682 ALL	572220.4	4149160	NonCancerChronicDerived_InhSoilDermMMilk
288 ALL	572185.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
642 ALL	572215.4	4149150	NonCancerChronicDerived_InhSoilDermMMilk
427 ALL	572195.4	4149095	NonCancerChronicDerived_InhSoilDermMMilk
485 ALL	572200.4	4149110	NonCancerChronicDerived_InhSoilDermMMilk
368 ALL	572190.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
545 ALL	572205.4	4149125	NonCancerChronicDerived_InhSoilDermMMilk
308 ALL	572185.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
446 ALL	572195.4	4149100	NonCancerChronicDerived_InhSoilDermMMilk
505 ALL	572200.4	4149115	NonCancerChronicDerived_InhSoilDermMMilk
387 ALL	572190.4	4149085	NonCancerChronicDerived_InhSoilDermMMilk
328 ALL	572185.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk
268 ALL	572180.4	4149055	NonCancerChronicDerived_InhSoilDermMMilk
407 ALL	572190.4	4149090	NonCancerChronicDerived_InhSoilDermMMilk
347 ALL	572185.4	4149075	NonCancerChronicDerived_InhSoilDermMMilk
287 ALL	572180.4	4149060	NonCancerChronicDerived_InhSoilDermMMilk
367 ALL	572185.4	4149080	NonCancerChronicDerived_InhSoilDermMMilk
307 ALL	572180.4	4149065	NonCancerChronicDerived_InhSoilDermMMilk
327 ALL	572180.4	4149070	NonCancerChronicDerived_InhSoilDermMMilk

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123 Independence Drive Project - Roadway HRA
Land Use Compatibility Health Risk Assessment

BAYFRONT EXPRESSWAY - TRUCK1
MARSH ROAD - TRUCK2
BAYSHORE FREEWAY - TRUCK3
CHRYSLER DRIVE - TRUCK4

Operational Health Risk - Roadway Emission Inventory

Vehicle Class	Fuel Type	Existing (2019) AADT ¹	Annual Traffic Growth % ²	Future (2029) Vehicle Volume ^{1,2}	Modeled Distance (meter) ³	Modeled Distance (miles)	Daily VMT	DPM (PM2.5 - Exhaust as Surrogate)					PM2.5 - Total					TOG - Tailpipe					TOG - Evaporative				
								EF (g/mile)	Emission (g/day)	Emission (lb/hr) ⁴	Emission (lb/yr) ⁴	Emission (ton/yr) ⁴	EF (g/mile)	Emission (g/day)	Emission (lb/hr) ⁴	Emission (lb/yr) ⁴	Emission (ton/yr) ⁴	EF Running (g/mile)	Emission (g/day)	Emission (lb/hr)	Emission (lb/yr)	Emission (ton/yr)	EF RunLoss (g/mi)	Emission (g/day)	Emission (lb/hr)	Emission (lb/yr)	Emission (ton/yr)
Bayfront Expressway (Highway 84), south of Highway 101 off-ramp (TRUCK1)																											
Non-Trucks	DSL	430	1.00%	469	1,060	0.66	309	3.21E-03	9.92E-01	2.77E-05	0.24	0.00	2.03E-02	6.29	1.76E-04	1.54	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Trucks	DSL	949	1.00%	1,035	1,060	0.66	682	1.12E-02	7.66E+00	2.14E-04	1.87	0.00	4.03E-02	27.50	7.68E-04	6.73	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Non-Trucks	GAS	39,841	1.00%	43,427	1,060	0.66	28,609	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	5.25E-03	150.28	4.20E-03	36.76	0.02	1.35E-02	3.85E+02	3.54E-02	309.84	0.15	3.47E-02	9.93E+02	9.13E-02	799.43	0.40
Trucks	GAS	596	1.00%	650	1,060	0.66	428	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	2.92E-02	12.51	3.49E-04	3.06	0.00	6.28E-03	2.69E+00	2.47E-04	2.16	0.00	6.94E-02	2.97E+01	2.73E-03	23.90	0.01
								Trucks Only					Non-Trucks Only					Total									
								2.14E-04					2.77E-05					2.42E-04									
								1.87					0.24					2.12									
								0.00					0.00					0.00									
								--					--					--									
								1.12E-03					4.37E-03					3.54E-02									
								9.76					38.30					309.84									
								0.00					0.02					0.15									
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								1.27E-03					5.49E-03					3.56E-02									
								2.16					312.00					0.16									
								--					--					--									
								2.73E-03					9.13E-02					2.73E-03									
								23.90					799.43					23.90									
								0.01					0.40					0.01									
Marsh Rd, south of Hwy 101 NB off-ramp (TRUCK2)																											
Non-Trucks	DSL	509	1.00%	555	690	0.43	238	3.21E-03	7.64E-01	2.13E-05	0.19	0.00	2.03E-02	4.84	1.35E-04	1.18	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Trucks	DSL	1,124	1.00%	1,225	690	0.43	525	1.12E-02	5.90E+00	1.65E-04	1.44	0.00	4.03E-02	21.18	5.92E-04	5.18	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Non-Trucks	GAS	47,149	1.00%	51,393	1,700	1.06	54,300	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	5.25E-03	285.24	7.97E-03	69.77	0.03	1.35E-02	7.31E+02	6.71E-02	588.07	0.29	3.47E-02	1.89E+03	1.73E-01	1,517.30	0.76
Trucks	GAS	705	1.00%	769	1,700	1.06	812	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	2.92E-02	23.74	6.63E-04	5.81	0.00	6.28E-03	5.11E+00	4.69E-04	4.11	0.00	6.94E-02	5.64E+01	5.18E-03	45.36	0.02
								Trucks Only					Non-Trucks Only					Total									
								1.65E-04					2.13E-05					1.86E-04									
								1.44					0.19					1.63									
								0.00					0.00					0.00									
								--					--					--									
								1.25E-03					8.10E-03					6.71E-02									
								10.99					70.96					588.07									
								0.01					0.04					0.29									
								--					--					--									
								4.69E-04					6.71E-02					6.76E-02									
								4.11					592.18					0.30									
								--					--					--									
								5.18E-03					1.78E-01					1.78E-01									
								45.36					1,517.30					45.36									
								0.02					0.76					0.02									
Bayshore Freeway (Highway 101), north of Marsh Rd (TRUCK3)																											
Non-Trucks	DSL	2,098	1.00%	2,287	1,700	1.06	2,417	3.21E-03	7.76E+00	2.17E-04	1.90	0.00	2.03E-02	49.16	1.37E-03	12.03	0.01	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Trucks	DSL	4,630	1.00%	5,047	1,700	1.06	5,332	1.12E-02	5.99E+01	1.67E-03	14.65	0.01	4.03E-02	215.09	6.01E-03	52.62	0.03	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00
Non-Trucks	GAS	194,302	1.00%	211,789	1,700	1.06	223,768	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	5.25E-03	1175.45	3.28E-02	287.54	0.14	1.35E-02	3.01E+03	2.77E-01	2,423.43	1.21	3.47E-02	7.77E+03	7.14E-01	6,252.76	3.13
Trucks	GAS	2,907	1.00%	3,169	1,700	1.06	3,348	0.00E+00	0.00E+00	0.00E+00	0.00	0.00	2.92E-02	97.81	2.73E-03	23.93	0.01	6.28E-03	2.10E+01	1.93E-03	16.93	0.01	6.94E-02	2.32E+02	2.13E-02	186.93	0.09
								Trucks Only					Non-Trucks Only					Total									
								1.67E-03					2.17E-04					1.89E-03									
								14.65					1.90					1.65									
								0.01					0.01					0.01									
								--					--					--									
								8.74E-03					3.42E-02					6.71E-01									
								76.54					299.57					2,440.36									
								0.04					0.15					1.22									
								--					--					--									
								4.29E-02					4.29E-02					4.29E-02									
								37.11					37.11					37.11									
								0.19					0.19					0.19									
								--					--					--									
								1.54E-04					1.54E-04					1.54E-04									
								1.35					1.35					1.35									
								0.00					0.00					0.00									
								--					--					--									
								1.00E-03					1.00E-03					1.00E-03									
								8.76					8.76					8.76									
								0.00					0.00					0.00									
								--					--					--									
								2.64E-03					2.64E-03					2.64E-03									
								23.11					23.11					23.11									
								0.01					0.01					0.01									

1. Estimated based on the EMFAC2021 emission rates and City roadway average daily traffic counts
2. 1% growth rate assumed for 9 years of growth to account for future AADT
3. Based on the modeled link length used in the AERMOD model.
4. Indoor particulate emissions adjusted to account for time indoors (~87%) and reduction from MERV 13 (~80%)

TOG Due to Tailpipe Emissions - Bayfront Expressway (Highway 84), south of Highway 101 off-ramp					
TAC	EMFAC Gasoline TOG Speciation ¹	TRUCK1		NONTRUCK1	
		Emissions (lb/hr)	Emissions (lb/yr)	Emissions (lb/hr)	Emissions (lb/yr)
Acetaldehyde	0.28%	6.92E-07	6.06E-03	9.90E-05	8.68E-01
Acrolein	0.13%	3.21E-07	2.81E-03	4.60E-05	4.03E-01
Benzene	2.47%	6.10E-06	5.35E-02	8.74E-04	7.65E+00
1,3-Butadiene	0.55%	1.36E-06	1.19E-02	1.95E-04	1.70E+00
Ethylbenzene	1.05%	2.59E-06	2.27E-02	3.71E-04	3.25E+00
Formaldehyde	1.58%	3.90E-06	3.42E-02	5.59E-04	4.90E+00
Hexane	1.60%	3.95E-06	3.46E-02	5.66E-04	4.96E+00
Methanol	0.12%	2.96E-07	2.60E-03	4.24E-05	3.72E-01
Methyl Ethyl					
Ketone	0.02%	4.94E-08	4.33E-04	7.07E-06	6.20E-02
Naphthalene	0.05%	1.24E-07	1.08E-03	1.77E-05	1.55E-01
Propylene	3.06%	7.56E-06	6.62E-02	1.08E-03	9.48E+00
Styrene	0.12%	2.96E-07	2.60E-03	4.24E-05	3.72E-01
Toluene	5.76%	1.42E-05	1.25E-01	2.04E-03	1.78E+01
Xylenes	4.80%	1.19E-05	1.04E-01	1.70E-03	1.49E+01

TOG Due to Tailpipe Emissions - Marsh Rd, south of Hwy 101 SB off-ramp					
TAC	EMFAC Gasoline TOG Speciation ¹	TRUCK1		NONTRUCK1	
		Emissions (lb/hr)	Emissions (lb/yr)	Emissions (lb/hr)	Emissions (lb/yr)
Acetaldehyde	0.28%	5.33E-07	4.67E-03	7.63E-05	6.68E-01
Acrolein	0.13%	2.47E-07	2.17E-03	3.54E-05	3.10E-01
Benzene	2.47%	4.70E-06	4.12E-02	6.73E-04	5.90E+00
1,3-Butadiene	0.55%	1.05E-06	9.17E-03	1.50E-04	1.31E+00
Ethylbenzene	1.05%	2.00E-06	1.75E-02	2.86E-04	2.51E+00
Formaldehyde	1.58%	3.01E-06	2.63E-02	4.31E-04	3.77E+00
Hexane	1.60%	3.05E-06	2.67E-02	4.36E-04	3.82E+00
Methanol	0.12%	2.28E-07	2.00E-03	3.27E-05	2.86E-01
Methyl Ethyl					
Ketone	0.02%	3.81E-08	3.33E-04	5.45E-06	4.77E-02
Naphthalene	0.05%	9.52E-08	8.34E-04	1.36E-05	1.19E-01
Propylene	3.06%	5.82E-06	5.10E-02	8.34E-04	7.30E+00
Styrene	0.12%	2.28E-07	2.00E-03	3.27E-05	2.86E-01
Toluene	5.76%	1.10E-05	9.60E-02	1.57E-03	1.37E+01
Xylenes	4.80%	9.14E-06	8.00E-02	1.31E-03	1.15E+01

TOG Due to Tailpipe Emissions - Bayshore Freeway (Highway 101), north of Marsh Rd					
TAC	EMFAC Gasoline TOG Speciation ¹	TRUCK1		NONTRUCK1	
		Emissions (lb/hr)	Emissions (lb/yr)	Emissions (lb/hr)	Emissions (lb/yr)
Acetaldehyde	0.28%	5.41E-06	4.74E-02	7.75E-04	6.79E+00
Acrolein	0.13%	2.51E-06	2.20E-02	3.60E-04	3.15E+00
Benzene	2.47%	4.77E-05	4.18E-01	6.83E-03	5.99E+01
1,3-Butadiene	0.55%	1.06E-05	9.31E-02	1.52E-03	1.33E+01
Ethylbenzene	1.05%	2.03E-05	1.78E-01	2.90E-03	2.54E+01
Formaldehyde	1.58%	3.05E-05	2.67E-01	4.37E-03	3.83E+01
Hexane	1.60%	3.09E-05	2.71E-01	4.43E-03	3.88E+01
Methanol	0.12%	2.32E-06	2.03E-02	3.32E-04	2.91E+00
Methyl Ethyl					
Ketone	0.02%	3.87E-07	3.39E-03	5.53E-05	4.85E-01
Naphthalene	0.05%	9.66E-07	8.46E-03	1.38E-04	1.21E+00
Propylene	3.06%	5.91E-05	5.18E-01	8.47E-03	7.42E+01
Styrene	0.12%	2.32E-06	2.03E-02	3.32E-04	2.91E+00
Toluene	5.76%	1.11E-04	9.75E-01	1.59E-02	1.40E+02
Xylenes	4.80%	9.28E-05	8.13E-01	1.33E-02	1.16E+02

TOG Due to Evaporative Losses - Bayfront Expressway (Highway 84), south of Highway 101 off-ramp					
Toxic Compound	EMFAC Gasoline TOG Speciation ¹	TRUCK1		NONTRUCK1	
		Emissions (lb/hr)	Emissions (lb/yr)	Emissions (lb/hr)	Emissions (lb/yr)
Benzene	0.36%	9.82E-06	8.60E-02	3.29E-04	2.88E+00
Ethylbenzene	0.12%	3.27E-06	2.87E-02	1.10E-04	9.59E-01
Hexane	1.54%	4.20E-05	3.68E-01	1.41E-03	1.23E+01
Toluene	1.70%	4.64E-05	4.06E-01	1.55E-03	1.36E+01
Xylenes	0.58%	1.58E-05	1.39E-01	5.2	

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	1.31E-06	1.15E-02	1.88E-04	1.65E+00
Acrolein	0.13%	6.10E-07	5.34E-03	8.73E-05	7.64E-01
Benzene	2.47%	1.16E-05	1.01E-01	1.66E-03	1.45E+01
1,3-Butadiene	0.55%	2.58E-06	2.26E-02	3.69E-04	3.23E+00
Ethylbenzene	1.05%	4.92E-06	4.31E-02	7.05E-04	6.17E+00
Formaldehyde	1.58%	7.41E-06	6.49E-02	1.06E-03	9.29E+00
Hexane	1.60%	7.50E-06	6.57E-02	1.07E-03	9.41E+00
Methanol	0.12%	5.63E-07	4.93E-03	8.06E-05	7.06E-01
Methyl Ethyl Ketone	0.02%	9.38E-08	8.22E-04	1.34E-05	1.18E-01
Naphthalene	0.05%	2.34E-07	2.05E-03	3.36E-05	2.94E-01
Propylene	3.06%	1.44E-05	1.26E-01	2.05E-03	1.80E+01
Styrene	0.12%	5.63E-07	4.93E-03	8.06E-05	7.06E-01
Toluene	5.76%	2.70E-05	2.37E-01	3.87E-03	3.39E+01
Xylenes	4.80%	2.25E-05	1.97E-01	3.22E-03	2.82E+01

TOG Due to Evaporative Losses - Marsh Rd, south of Hwy 101 NB off-ramp

Toxic Compound	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Benzene	0.36%	1.86E-05	1.63E-01	6.24E-04	5.46E+00
Ethylbenzene	0.12%	6.21E-06	5.44E-02	2.08E-04	1.82E+00
Hexane	1.54%	7.97E-05	6.99E-01	2.67E-03	2.34E+01
Toluene	1.70%	8.80E-05	7.71E-01	2.94E-03	2.58E+01
Xylenes	0.58%	3.00E-05	2.63E-01	1.00E-03	8.80E+00

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	1.31E-06	1.15E-02	1.88E-04	1.65E+00
Acrolein	0.13%	6.10E-07	5.34E-03	8.73E-05	7.64E-01
Benzene	2.47%	1.16E-05	1.01E-01	1.66E-03	1.45E+01
1,3-Butadiene	0.55%	2.58E-06	2.26E-02	3.69E-04	3.23E+00
Ethylbenzene	1.05%	4.92E-06	4.31E-02	7.05E-04	6.17E+00
Formaldehyde	1.58%	7.41E-06	6.49E-02	1.06E-03	9.29E+00
Hexane	1.60%	7.50E-06	6.57E-02	1.07E-03	9.41E+00
Methanol	0.12%	5.63E-07	4.93E-03	8.06E-05	7.06E-01
Methyl Ethyl Ketone	0.02%	9.38E-08	8.22E-04	1.34E-05	1.18E-01
Naphthalene	0.05%	2.34E-07	2.05E-03	3.36E-05	2.94E-01
Propylene	3.06%	1.44E-05	1.26E-01	2.05E-03	1.80E+01
Styrene	0.12%	5.63E-07	4.93E-03	8.06E-05	7.06E-01
Toluene	5.76%	1.15E-04	1.01E+00	6.81E-03	5.97E+01
Xylenes	4.80%	5.25E-05	4.60E-01	4.23E-03	3.70E+01

PM2.5 Concentration			
AERMOD Source	Emission Rate (g/s)	X/Q Rate (ug/m3)/(PM2.5 (ug/m3)
Truck1	1.41E-04	17.723	0.00249
NonTruck1	5.51E-04	18.893	0.01041
Truck2	1.58E-04	30.636	0.00484
NonTruck2	4.24E-04	32.221	0.01367
Truck3	1.10E-03	13.125	0.01445
NonTruck3	4.31E-03	13.505	0.05818
Truck4	3.95E-06	33.935	0.00013
NonTruck4	1.55E-05	32.981	0.00051
Total Concentration			0.10469

1 pound = 453.6 grams
1 year = 3.15E+07 seconds

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	5.04E-06	4.41E-02	7.21E-04	6.32E+00
Acrolein	0.13%	2.34E-06	2.05E-02	3.35E-04	2.93E+00
Benzene	2.47%	4.44E-05	3.89E-01	6.36E-03	5.57E+01
1,3-Butadiene	0.55%	9.90E-06	8.67E-02	1.42E-03	1.24E+01
Ethylbenzene	1.05%	1.89E-05	1.66E-01	2.70E-03	2.37E+01
Formaldehyde	1.58%	2.84E-05	2.49E-01	4.07E-03	3.57E+01
Hexane	1.60%	2.88E-05	2.52E-01	4.12E-03	3.61E+01
Methanol	0.12%	2.16E-06	1.89E-02	3.09E-04	2.71E+00
Methyl Ethyl Ketone	0.02%	3.60E-07	3.15E-03	5.15E-05	4.51E-01
Naphthalene	0.05%	9.00E-07	7.88E-03	1.29E-04	1.13E+00
Propylene	3.06%	5.51E-05	4.82E-01	7.88E-03	6.91E+01
Styrene	0.12%	2.16E-06	1.89E-02	3.09E-04	2.71E+00
Toluene	5.76%	1.04E-04	9.08E-01	1.48E-02	1.30E+02
Xylenes	4.80%	8.64E-05	7.57E-01	1.24E-02	1.08E+02

TOG Due to Evaporative Losses - Bayshore Freeway (Highway 101), south of Marsh Rd

Toxic Compound	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Benzene	0.36%	7.15E-05	6.27E-01	2.39E-03	2.10E+01
Ethylbenzene	0.12%	2.38E-05	2.09E-01	7.98E-04	6.99E+00
Hexane	1.54%	3.06E-04	2.68E+00	1.02E-02	8.97E+01
Toluene	1.70%	3.38E-04	2.96E+00	1.13E-02	9.90E+01
Xylenes	0.58%	1.15E-04	1.01E+00	3.86E-03	3.38E+01

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	5.04E-06	4.41E-02	7.21E-04	6.32E+00
Acrolein	0.13%	2.34E-06	2.05E-02	3.35E-04	2.93E+00
Benzene	2.47%	1.16E-04	1.02E+00	8.76E-03	7.67E+01
1,3-Butadiene	0.55%	9.90E-06	8.67E-02	1.42E-03	1.24E+01
Ethylbenzene	1.05%	4.27E-05	3.74E-01	3.50E-03	3.07E+01
Formaldehyde	1.58%	2.84E-05	2.49E-01	4.07E-03	3.57E+01
Hexane	1.60%	3.35E-04	2.93E+00	1.44E-02	1.26E+02
Methanol	0.12%	2.16E-06	1.89E-02	3.09E-04	2.71E+00
Methyl Ethyl Ketone	0.02%	3.60E-07	3.15E-03	5.15E-05	4.51E-01
Naphthalene	0.05%	9.00E-07	7.88E-03	1.29E-04	1.13E+00
Propylene	3.06%	5.51E-05	4.82E-01	7.88E-03	6.91E+01
Styrene	0.12%	2.16E-06	1.89E-02	3.09E-04	2.71E+00
Toluene	5.76%	4.41E-04	3.87E+00	2.61E-02	2.29E+02
Xylenes	4.80%	2.02E-04	1.77E+00	1.62E-02	1.42E+02

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	1.94E-08	1.70E-04	2.78E-06	2.44E-02
Acrolein	0.13%	9.02E-09	7.90E-05	1.29E-06	1.13E-02
Benzene	2.47%	1.71E-07	1.50E-03	2.45E-05	2.15E-01
1,3-Butadiene	0.55%	3.81E-08	3.34E-04	5.46E-06	4.78E-02
Ethylbenzene	1.05%	7.28E-08	6.38E-04	1.04E-05	9.13E-02
Formaldehyde	1.58%	1.10E-07	9.60E-04	1.57E-05	1.37E-01
Hexane	1.60%	1.11E-07	9.72E-04	1.59E-05	1.39E-01
Methanol	0.12%	8.32E-09	7.29E-05	1.19E-06	1.04E-02
Methyl Ethyl Ketone	0.02%	1.39E-09	1.22E-05	1.99E-07	1.74E-03
Naphthalene	0.05%	3.47E-09	3.04E-05	4.96E-07	4.35E-03
Propylene	3.06%	2.12E-07	1.86E-03	3.04E-05	2.66E-01
Styrene	0.12%	8.32E-09	7.29E-05	1.19E-06	1.04E-02
Toluene	5.76%	3.99E-07	3.50E-03	5.72E-05	5.01E-01
Xylenes	4.80%	3.33E-07	2.92E-03	4.77E-05	4.17E-01

TOG Due to Evaporative Losses - Chrysler Drive, south of Constitution Dr

Toxic Compound	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Benzene	0.36%	2.76E-07	2.42E-03	9.22E-06	8.08E-02
Ethylbenzene	0.12%	9.19E-08	8.05E-04	3.07E-06	2.69E-02
Hexane	1.54%	1.18E-06	1.03E-02	3.94E-05	3.46E-01
Toluene	1.70%	1.30E-06	1.14E-02	4.35E-05	3.81E-01
Xylenes	0.58%	4.44E-07	3.89E-03	1.49E-05	1.30E-01

TAC	EMFAC Gasoline TOG Speciation ¹	Emissions (lb/hr)		Emissions (lb/yr)	
		TRUCK2	NONTRUCK2	TRUCK2	NONTRUCK2
Acetaldehyde	0.28%	1.94E-08	1.70E-04	2.78E-06	2.44E-02
Acrolein	0.13%	9.02E-09	7.90E-05	1.29E-06	1.13E-02
Benzene	2.47%	4.47E-07	3.92E-03	3.37E-05	2.96E-01
1,3-Butadiene	0.55%	3.81E-08	3.34E-04	5.46E-06	4.78E-02
Ethylbenzene	1.05%	1.65E-07	1.44E-03	1.35E-05	1.18E-01
Formaldehyde	1.58%	1.10E-07	9.60E-04	1.57E-05	1.37E-01
Hexane	1.60%	1.29E-06	1.13E-02	5.53E-05	4.85E-01
Methanol	0.12%	8.32E-09	7.29E-05	1.19E-06	1.04E-02
Methyl Ethyl Ketone	0.02%	1.39E-09	1.22E-05	1.99E-07	1.74E-03
Naphthalene	0.05%	3.47E-09	3.04E-05	4.96E-07	4.35E-03
Propylene	3.06%	2.12E-07	1.86E-03	3.04E-05	2.66E-01
Styrene	0.12%	8.32E-09	7.29E-05	1.19E-06	1.04E-02
Toluene	5.76%	1.70E-06	1.49E-02	1.01E-04	8.82E-01
Xylenes	4.80%	7.77E-07	6.81E-03	6.25E-05	5.48E-01

123 Independence Drive Project - Roadway HRA - Cancer

REC	GRP	NETID	X	Y	RISK_SUM
	277	ALL	572602.6	4148891	8.77E-06
	273	ALL	572628.7	4148930	8.52E-06
	276	ALL	572602.6	4148881	8.51E-06
	209	ALL	572624.9	4148920	8.44E-06
	169	ALL	572614.9	4148900	8.40E-06
	189	ALL	572624.9	4148910	8.21E-06
	149	ALL	572614.9	4148890	8.17E-06
	274	ALL	572638.7	4148930	8.11E-06
	210	ALL	572634.9	4148920	8.03E-06
	170	ALL	572624.9	4148900	7.99E-06
	130	ALL	572614.9	4148880	7.95E-06
	190	ALL	572634.9	4148910	7.83E-06
	150	ALL	572624.9	4148890	7.78E-06
	111	ALL	572614.9	4148870	7.74E-06
	211	ALL	572644.9	4148920	7.69E-06
	171	ALL	572634.9	4148900	7.63E-06
	131	ALL	572624.9	4148880	7.58E-06
	191	ALL	572644.9	4148910	7.50E-06
	151	ALL	572634.9	4148890	7.44E-06
	240	ALL	572717.8	4148975	7.40E-06
	212	ALL	572654.9	4148920	7.39E-06
	112	ALL	572624.9	4148870	7.39E-06
	172	ALL	572644.9	4148900	7.32E-06
	132	ALL	572634.9	4148880	7.26E-06
	265	ALL	572714.5	4148967	7.23E-06
	192	ALL	572654.9	4148910	7.21E-06
	254	ALL	572724.6	4148968	7.18E-06
	152	ALL	572644.9	4148890	7.14E-06
	213	ALL	572664.9	4148920	7.13E-06
	113	ALL	572634.9	4148870	7.08E-06
	266	ALL	572714.9	4148960	7.07E-06
	173	ALL	572654.9	4148900	7.04E-06
	267	ALL	572724.9	4148960	6.99E-06
	133	ALL	572644.9	4148880	6.97E-06
	272	ALL	572774.9	4148960	6.97E-06
	193	ALL	572664.9	4148910	6.96E-06
	255	ALL	572704.9	4148950	6.96E-06
	253	ALL	572824.9	4148940	6.95E-06
	268	ALL	572734.9	4148960	6.94E-06
	271	ALL	572764.9	4148960	6.93E-06
	270	ALL	572754.9	4148960	6.92E-06
	269	ALL	572744.9	4148960	6.92E-06
	91	ALL	572634.9	4148860	6.91E-06
	275	ALL	572804.7	4148949	6.90E-06
	153	ALL	572654.9	4148890	6.88E-06
	256	ALL	572714.9	4148950	6.86E-06

123 Independence Drive Project - Roadway HRA - Cancer

264 ALL	572794.9	4148950	6.85E-06
114 ALL	572644.9	4148870	6.81E-06
252 ALL	572814.9	4148940	6.81E-06
174 ALL	572664.9	4148900	6.80E-06
257 ALL	572724.9	4148950	6.78E-06
263 ALL	572784.9	4148950	6.77E-06
241 ALL	572704.9	4148940	6.77E-06
194 ALL	572674.9	4148910	6.75E-06
227 ALL	572694.9	4148930	6.73E-06
258 ALL	572734.9	4148950	6.72E-06
262 ALL	572774.9	4148950	6.72E-06
134 ALL	572654.9	4148880	6.72E-06
251 ALL	572804.9	4148940	6.70E-06
261 ALL	572764.9	4148950	6.70E-06
259 ALL	572744.9	4148950	6.69E-06
260 ALL	572754.9	4148950	6.69E-06
242 ALL	572714.9	4148940	6.67E-06
154 ALL	572664.9	4148890	6.65E-06
92 ALL	572644.9	4148860	6.65E-06
250 ALL	572794.9	4148940	6.61E-06
228 ALL	572704.9	4148930	6.60E-06
175 ALL	572674.9	4148900	6.59E-06
243 ALL	572724.9	4148940	6.59E-06
239 ALL	572814.9	4148930	6.58E-06
115 ALL	572654.9	4148870	6.57E-06
214 ALL	572694.9	4148920	6.57E-06
195 ALL	572684.9	4148910	6.56E-06
249 ALL	572784.9	4148940	6.55E-06
244 ALL	572734.9	4148940	6.53E-06
248 ALL	572774.9	4148940	6.50E-06
135 ALL	572664.9	4148880	6.50E-06
229 ALL	572714.9	4148930	6.50E-06
245 ALL	572744.9	4148940	6.49E-06
247 ALL	572764.9	4148940	6.48E-06
238 ALL	572804.9	4148930	6.48E-06
246 ALL	572754.9	4148940	6.48E-06
155 ALL	572674.9	4148890	6.44E-06
215 ALL	572704.9	4148920	6.44E-06
93 ALL	572654.9	4148860	6.42E-06
176 ALL	572684.9	4148900	6.41E-06
230 ALL	572724.9	4148930	6.41E-06
196 ALL	572694.9	4148910	6.41E-06
237 ALL	572794.9	4148930	6.40E-06
226 ALL	572814.9	4148920	6.36E-06
116 ALL	572664.9	4148870	6.35E-06
231 ALL	572734.9	4148930	6.35E-06
236 ALL	572784.9	4148930	6.34E-06

123 Independence Drive Project - Roadway HRA - Cancer

216 ALL	572714.9	4148920	6.33E-06
235 ALL	572774.9	4148930	6.31E-06
136 ALL	572674.9	4148880	6.30E-06
232 ALL	572744.9	4148930	6.30E-06
234 ALL	572764.9	4148930	6.29E-06
233 ALL	572754.9	4148930	6.29E-06
197 ALL	572704.9	4148910	6.28E-06
71 ALL	572654.9	4148850	6.27E-06
156 ALL	572684.9	4148890	6.27E-06
225 ALL	572804.9	4148920	6.27E-06
177 ALL	572694.9	4148900	6.26E-06
217 ALL	572724.9	4148920	6.24E-06
94 ALL	572664.9	4148860	6.21E-06
224 ALL	572794.9	4148920	6.20E-06
198 ALL	572714.9	4148910	6.18E-06
218 ALL	572734.9	4148920	6.18E-06
117 ALL	572674.9	4148870	6.17E-06
208 ALL	572814.9	4148910	6.17E-06
223 ALL	572784.9	4148920	6.15E-06
178 ALL	572704.9	4148900	6.14E-06
137 ALL	572684.9	4148880	6.14E-06
219 ALL	572744.9	4148920	6.13E-06
157 ALL	572694.9	4148890	6.13E-06
222 ALL	572774.9	4148920	6.12E-06
220 ALL	572754.9	4148920	6.12E-06
221 ALL	572764.9	4148920	6.11E-06
199 ALL	572724.9	4148910	6.09E-06
207 ALL	572804.9	4148910	6.08E-06
72 ALL	572664.9	4148850	6.08E-06
95 ALL	572674.9	4148860	6.04E-06
179 ALL	572714.9	4148900	6.04E-06
200 ALL	572734.9	4148910	6.02E-06
206 ALL	572794.9	4148910	6.02E-06
118 ALL	572684.9	4148870	6.01E-06
158 ALL	572704.9	4148890	6.00E-06
138 ALL	572694.9	4148880	5.99E-06
205 ALL	572784.9	4148910	5.98E-06
201 ALL	572744.9	4148910	5.98E-06
202 ALL	572754.9	4148910	5.96E-06
204 ALL	572774.9	4148910	5.95E-06
180 ALL	572724.9	4148900	5.95E-06
203 ALL	572764.9	4148910	5.95E-06
73 ALL	572674.9	4148850	5.91E-06
188 ALL	572804.9	4148900	5.90E-06
159 ALL	572714.9	4148890	5.90E-06
181 ALL	572734.9	4148900	5.88E-06
96 ALL	572684.9	4148860	5.88E-06

123 Independence Drive Project - Roadway HRA - Cancer

139 ALL	572704.9	4148880	5.87E-06
119 ALL	572694.9	4148870	5.87E-06
187 ALL	572794.9	4148900	5.85E-06
182 ALL	572744.9	4148900	5.83E-06
160 ALL	572724.9	4148890	5.82E-06
186 ALL	572784.9	4148900	5.81E-06
183 ALL	572754.9	4148900	5.80E-06
185 ALL	572774.9	4148900	5.79E-06
184 ALL	572764.9	4148900	5.79E-06
140 ALL	572714.9	4148880	5.77E-06
74 ALL	572684.9	4148850	5.76E-06
120 ALL	572704.9	4148870	5.75E-06
161 ALL	572734.9	4148890	5.75E-06
97 ALL	572694.9	4148860	5.74E-06
168 ALL	572804.9	4148890	5.73E-06
162 ALL	572744.9	4148890	5.70E-06
167 ALL	572794.9	4148890	5.69E-06
141 ALL	572724.9	4148880	5.68E-06
163 ALL	572754.9	4148890	5.66E-06
166 ALL	572784.9	4148890	5.65E-06
121 ALL	572714.9	4148870	5.65E-06
164 ALL	572764.9	4148890	5.64E-06
165 ALL	572774.9	4148890	5.64E-06
55 ALL	572684.9	4148840	5.64E-06
98 ALL	572704.9	4148860	5.63E-06
75 ALL	572694.9	4148850	5.62E-06
142 ALL	572734.9	4148880	5.62E-06
143 ALL	572744.9	4148880	5.56E-06
122 ALL	572724.9	4148870	5.56E-06
148 ALL	572794.9	4148880	5.53E-06
144 ALL	572754.9	4148880	5.53E-06
99 ALL	572714.9	4148860	5.52E-06
76 ALL	572704.9	4148850	5.51E-06
56 ALL	572694.9	4148840	5.51E-06
147 ALL	572784.9	4148880	5.50E-06
145 ALL	572764.9	4148880	5.50E-06
146 ALL	572774.9	4148880	5.50E-06
123 ALL	572734.9	4148870	5.49E-06
100 ALL	572724.9	4148860	5.44E-06
124 ALL	572744.9	4148870	5.44E-06
77 ALL	572714.9	4148850	5.41E-06
125 ALL	572754.9	4148870	5.40E-06
57 ALL	572704.9	4148840	5.39E-06
40 ALL	572694.9	4148830	5.39E-06
129 ALL	572794.9	4148870	5.38E-06
126 ALL	572764.9	4148870	5.37E-06
101 ALL	572734.9	4148860	5.37E-06

123 Independence Drive Project - Roadway HRA - Cancer

110 ALL	572824.9	4148860	5.37E-06
128 ALL	572784.9	4148870	5.36E-06
127 ALL	572774.9	4148870	5.36E-06
90 ALL	572844.9	4148850	5.35E-06
78 ALL	572724.9	4148850	5.32E-06
102 ALL	572744.9	4148860	5.32E-06
109 ALL	572814.9	4148860	5.31E-06
58 ALL	572714.9	4148840	5.30E-06
41 ALL	572704.9	4148830	5.28E-06
103 ALL	572754.9	4148860	5.28E-06
108 ALL	572804.9	4148860	5.27E-06
89 ALL	572834.9	4148850	5.27E-06
79 ALL	572734.9	4148850	5.26E-06
104 ALL	572764.9	4148860	5.25E-06
107 ALL	572794.9	4148860	5.24E-06
105 ALL	572774.9	4148860	5.23E-06
106 ALL	572784.9	4148860	5.23E-06
59 ALL	572724.9	4148840	5.21E-06
88 ALL	572824.9	4148850	5.21E-06
80 ALL	572744.9	4148850	5.20E-06
42 ALL	572714.9	4148830	5.19E-06
87 ALL	572814.9	4148850	5.16E-06
81 ALL	572754.9	4148850	5.16E-06
60 ALL	572734.9	4148840	5.14E-06
86 ALL	572804.9	4148850	5.13E-06
82 ALL	572764.9	4148850	5.13E-06
85 ALL	572794.9	4148850	5.11E-06
83 ALL	572774.9	4148850	5.11E-06
70 ALL	572834.9	4148840	5.10E-06
43 ALL	572724.9	4148830	5.10E-06
84 ALL	572784.9	4148850	5.10E-06
61 ALL	572744.9	4148840	5.09E-06
69 ALL	572824.9	4148840	5.05E-06
62 ALL	572754.9	4148840	5.04E-06
44 ALL	572734.9	4148830	5.03E-06
68 ALL	572814.9	4148840	5.02E-06
63 ALL	572764.9	4148840	5.01E-06
28 ALL	572724.9	4148820	5.00E-06
67 ALL	572804.9	4148840	4.99E-06
64 ALL	572774.9	4148840	4.99E-06
66 ALL	572794.9	4148840	4.98E-06
65 ALL	572784.9	4148840	4.98E-06
45 ALL	572744.9	4148830	4.98E-06
54 ALL	572834.9	4148830	4.95E-06
46 ALL	572754.9	4148830	4.93E-06
29 ALL	572734.9	4148820	4.93E-06
53 ALL	572824.9	4148830	4.91E-06

123 Independence Drive Project - Roadway HRA - Cancer

47 ALL	572764.9	4148830	4.89E-06
52 ALL	572814.9	4148830	4.88E-06
48 ALL	572774.9	4148830	4.87E-06
30 ALL	572744.9	4148820	4.87E-06
51 ALL	572804.9	4148830	4.86E-06
49 ALL	572784.9	4148830	4.86E-06
50 ALL	572794.9	4148830	4.85E-06
18 ALL	572734.9	4148810	4.82E-06
31 ALL	572754.9	4148820	4.82E-06
39 ALL	572834.9	4148820	4.79E-06
32 ALL	572764.9	4148820	4.78E-06
38 ALL	572824.9	4148820	4.76E-06
19 ALL	572744.9	4148810	4.76E-06
33 ALL	572774.9	4148820	4.76E-06
37 ALL	572814.9	4148820	4.74E-06
34 ALL	572784.9	4148820	4.74E-06
36 ALL	572804.9	4148820	4.73E-06
35 ALL	572794.9	4148820	4.73E-06
20 ALL	572754.9	4148810	4.72E-06
21 ALL	572764.9	4148810	4.68E-06
22 ALL	572774.9	4148810	4.65E-06
27 ALL	572824.9	4148810	4.63E-06
23 ALL	572784.9	4148810	4.63E-06
24 ALL	572794.9	4148810	4.62E-06
26 ALL	572814.9	4148810	4.62E-06
11 ALL	572754.9	4148800	4.61E-06
25 ALL	572804.9	4148810	4.61E-06
12 ALL	572764.9	4148800	4.57E-06
13 ALL	572774.9	4148800	4.54E-06
14 ALL	572784.9	4148800	4.52E-06
15 ALL	572794.9	4148800	4.50E-06
16 ALL	572804.9	4148800	4.49E-06
17 ALL	572814.9	4148800	4.49E-06
5 ALL	572764.9	4148790	4.47E-06
6 ALL	572774.9	4148790	4.44E-06
7 ALL	572784.9	4148790	4.41E-06
8 ALL	572794.9	4148790	4.39E-06
9 ALL	572804.9	4148790	4.38E-06
10 ALL	572814.9	4148790	4.37E-06
2 ALL	572794.9	4148780	4.29E-06
3 ALL	572804.9	4148780	4.27E-06
4 ALL	572814.9	4148780	4.26E-06

**HARP - Air Dispersion Modeling and Risk Tool v22118

**9/7/2022

**Exported Risk Results

123 Independence Drive Project - Roadway HRA - Cancer

SCENARIO	INHAL_RISK
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.77E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.52E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.51E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.44E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.40E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.21E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.17E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.11E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	8.03E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.99E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.95E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.83E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.78E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.74E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.69E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.63E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.58E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.50E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.44E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.40E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.39E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.39E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.32E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.26E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.23E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.21E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.18E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.14E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.13E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.08E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.07E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	7.04E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.99E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.97E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.97E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.96E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.96E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.95E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.94E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.93E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.92E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.92E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.91E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.90E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.88E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.86E-06

123 Independence Drive Project - Roadway HRA - Cancer

30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.85E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.81E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.81E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.80E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.78E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.77E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.77E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.75E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.73E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.72E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.72E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.70E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.70E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.69E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.69E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.67E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.65E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.65E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.61E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.60E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.59E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.59E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.58E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.57E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.57E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.56E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.53E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.50E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.50E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.50E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.49E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.48E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.48E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.42E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.41E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.41E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.41E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.40E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.36E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.35E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.35E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.34E-06

123 Independence Drive Project - Roadway HRA - Cancer

30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.33E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.31E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.30E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.30E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.29E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.29E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.28E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.26E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.24E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.21E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.20E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.18E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.18E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.17E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.17E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.15E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	6.14E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.90E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.90E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.88E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.88E-06

123 Independence Drive Project - Roadway HRA - Cancer

30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.87E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.87E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.85E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.83E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.82E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.81E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.77E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.53E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.53E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.52E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.51E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.50E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.44E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.39E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.38E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.37E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.37E-06

123 Independence Drive Project - Roadway HRA - Cancer

30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.37E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.36E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.36E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.35E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.32E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.32E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.31E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.30E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.28E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.28E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.26E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.25E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.24E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.23E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.23E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.21E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.21E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.20E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.19E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.16E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.16E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.14E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.10E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.10E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.10E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	5.09E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.93E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.91E-06

123 Independence Drive Project - Roadway HRA - Cancer

30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.89E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.88E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.87E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.87E-06
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30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.38E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.37E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.29E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.27E-06
30YrCancerRMP_InhSoilDermMMilk_FAH16to70	4.26E-06

123 Independence Drive Project - Roadway HRA - Chronic

REC	GRP	NETID	X	Y	SCENARIO
277	ALL		572602.6	4148881	NonCancerChronicDerived_InhSoilDermMMilk
169	ALL		572614.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
209	ALL		572624.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
273	ALL		572628.7	4148930	NonCancerChronicDerived_InhSoilDermMMilk
149	ALL		572614.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
189	ALL		572624.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
130	ALL		572614.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
170	ALL		572624.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
111	ALL		572614.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
210	ALL		572634.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
274	ALL		572638.7	4148930	NonCancerChronicDerived_InhSoilDermMMilk
150	ALL		572624.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
190	ALL		572634.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
131	ALL		572624.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
171	ALL		572634.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
112	ALL		572624.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
211	ALL		572644.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
151	ALL		572634.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
191	ALL		572644.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
132	ALL		572634.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
172	ALL		572644.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
113	ALL		572634.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
212	ALL		572654.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
152	ALL		572644.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
91	ALL		572634.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
192	ALL		572654.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
133	ALL		572644.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
173	ALL		572654.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
114	ALL		572644.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
153	ALL		572654.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
213	ALL		572664.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
92	ALL		572644.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
193	ALL		572664.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
134	ALL		572654.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
174	ALL		572664.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
115	ALL		572654.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
154	ALL		572664.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
93	ALL		572654.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
194	ALL		572674.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
135	ALL		572664.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
71	ALL		572654.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
175	ALL		572674.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
116	ALL		572664.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
155	ALL		572674.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
94	ALL		572664.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
195	ALL		572684.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk

123 Independence Drive Project - Roadway HRA - Chronic

136 ALL	572674.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
72 ALL	572664.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
176 ALL	572684.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
117 ALL	572674.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
227 ALL	572694.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
156 ALL	572684.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
214 ALL	572694.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
95 ALL	572674.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
255 ALL	572704.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
196 ALL	572694.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
137 ALL	572684.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
241 ALL	572704.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
73 ALL	572674.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
177 ALL	572694.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
118 ALL	572684.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
228 ALL	572704.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
265 ALL	572714.5	4148967	NonCancerChronicDerived_InhSoilDermMMilk
157 ALL	572694.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
215 ALL	572704.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
266 ALL	572714.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
240 ALL	572717.8	4148975	NonCancerChronicDerived_InhSoilDermMMilk
96 ALL	572684.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
256 ALL	572714.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
197 ALL	572704.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
138 ALL	572694.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
242 ALL	572714.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
74 ALL	572684.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
178 ALL	572704.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
229 ALL	572714.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
119 ALL	572694.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
254 ALL	572724.6	4148968	NonCancerChronicDerived_InhSoilDermMMilk
158 ALL	572704.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
216 ALL	572714.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
267 ALL	572724.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
55 ALL	572684.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
97 ALL	572694.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
257 ALL	572724.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
198 ALL	572714.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
139 ALL	572704.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
243 ALL	572724.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
75 ALL	572694.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
179 ALL	572714.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
230 ALL	572724.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
120 ALL	572704.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
268 ALL	572734.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
159 ALL	572714.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
217 ALL	572724.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk

123 Independence Drive Project - Roadway HRA - Chronic

56 ALL	572694.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
258 ALL	572734.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
98 ALL	572704.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
199 ALL	572724.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
140 ALL	572714.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
244 ALL	572734.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
180 ALL	572724.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
231 ALL	572734.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
40 ALL	572694.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
76 ALL	572704.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
121 ALL	572714.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
269 ALL	572744.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
218 ALL	572734.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
160 ALL	572724.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
259 ALL	572744.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
57 ALL	572704.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
99 ALL	572714.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
200 ALL	572734.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
245 ALL	572744.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
141 ALL	572724.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
232 ALL	572744.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
181 ALL	572734.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
270 ALL	572754.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
77 ALL	572714.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
41 ALL	572704.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
260 ALL	572754.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
122 ALL	572724.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
219 ALL	572744.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
161 ALL	572734.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
246 ALL	572754.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
201 ALL	572744.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
233 ALL	572754.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
100 ALL	572724.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
58 ALL	572714.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
271 ALL	572764.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk
142 ALL	572734.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
182 ALL	572744.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
261 ALL	572764.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
220 ALL	572754.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
253 ALL	572824.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
247 ALL	572764.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
123 ALL	572734.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
78 ALL	572724.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
162 ALL	572744.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
202 ALL	572754.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
234 ALL	572764.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
272 ALL	572774.9	4148960	NonCancerChronicDerived_InhSoilDermMMilk

123 Independence Drive Project - Roadway HRA - Chronic

42 ALL	572714.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
262 ALL	572774.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
252 ALL	572814.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
221 ALL	572764.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
248 ALL	572774.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
183 ALL	572754.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
143 ALL	572744.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
101 ALL	572734.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
239 ALL	572814.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
263 ALL	572784.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
235 ALL	572774.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
59 ALL	572724.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
275 ALL	572804.7	4148949	NonCancerChronicDerived_InhSoilDermMMilk
264 ALL	572794.9	4148950	NonCancerChronicDerived_InhSoilDermMMilk
203 ALL	572764.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
249 ALL	572784.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
251 ALL	572804.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
250 ALL	572794.9	4148940	NonCancerChronicDerived_InhSoilDermMMilk
226 ALL	572814.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
163 ALL	572754.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
222 ALL	572774.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
238 ALL	572804.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
236 ALL	572784.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
124 ALL	572744.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
237 ALL	572794.9	4148930	NonCancerChronicDerived_InhSoilDermMMilk
79 ALL	572734.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
184 ALL	572764.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
223 ALL	572784.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
225 ALL	572804.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
204 ALL	572774.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
208 ALL	572814.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
43 ALL	572724.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
144 ALL	572754.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
224 ALL	572794.9	4148920	NonCancerChronicDerived_InhSoilDermMMilk
102 ALL	572744.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
164 ALL	572764.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
205 ALL	572784.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
207 ALL	572804.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
185 ALL	572774.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
206 ALL	572794.9	4148910	NonCancerChronicDerived_InhSoilDermMMilk
60 ALL	572734.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
125 ALL	572754.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
186 ALL	572784.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
28 ALL	572724.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
188 ALL	572804.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
145 ALL	572764.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
80 ALL	572744.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk

123 Independence Drive Project - Roadway HRA - Chronic

165 ALL	572774.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
187 ALL	572794.9	4148900	NonCancerChronicDerived_InhSoilDermMMilk
103 ALL	572754.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
44 ALL	572734.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
166 ALL	572784.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
126 ALL	572764.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
168 ALL	572804.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
167 ALL	572794.9	4148890	NonCancerChronicDerived_InhSoilDermMMilk
146 ALL	572774.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
61 ALL	572744.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
81 ALL	572754.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
147 ALL	572784.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
29 ALL	572734.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
104 ALL	572764.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
127 ALL	572774.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
148 ALL	572794.9	4148880	NonCancerChronicDerived_InhSoilDermMMilk
45 ALL	572744.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
128 ALL	572784.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
62 ALL	572754.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
105 ALL	572774.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
82 ALL	572764.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
129 ALL	572794.9	4148870	NonCancerChronicDerived_InhSoilDermMMilk
18 ALL	572734.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
90 ALL	572844.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
110 ALL	572824.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
30 ALL	572744.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
106 ALL	572784.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
46 ALL	572754.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
83 ALL	572774.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
63 ALL	572764.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
109 ALL	572814.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
107 ALL	572794.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
108 ALL	572804.9	4148860	NonCancerChronicDerived_InhSoilDermMMilk
89 ALL	572834.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
84 ALL	572784.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
19 ALL	572744.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
88 ALL	572824.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
64 ALL	572774.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
31 ALL	572754.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
47 ALL	572764.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
85 ALL	572794.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
87 ALL	572814.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
86 ALL	572804.9	4148850	NonCancerChronicDerived_InhSoilDermMMilk
65 ALL	572784.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
70 ALL	572834.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
48 ALL	572774.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
20 ALL	572754.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk

123 Independence Drive Project - Roadway HRA - Chronic

32 ALL	572764.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
66 ALL	572794.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
69 ALL	572824.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
67 ALL	572804.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
68 ALL	572814.9	4148840	NonCancerChronicDerived_InhSoilDermMMilk
49 ALL	572784.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
33 ALL	572774.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
11 ALL	572754.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
21 ALL	572764.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
50 ALL	572794.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
54 ALL	572834.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
51 ALL	572804.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
53 ALL	572824.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
52 ALL	572814.9	4148830	NonCancerChronicDerived_InhSoilDermMMilk
34 ALL	572784.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
22 ALL	572774.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
12 ALL	572764.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
35 ALL	572794.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
36 ALL	572804.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
23 ALL	572784.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
39 ALL	572834.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
37 ALL	572814.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
38 ALL	572824.9	4148820	NonCancerChronicDerived_InhSoilDermMMilk
13 ALL	572774.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
5 ALL	572764.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
24 ALL	572794.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
25 ALL	572804.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
14 ALL	572784.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
26 ALL	572814.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
6 ALL	572774.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
27 ALL	572824.9	4148810	NonCancerChronicDerived_InhSoilDermMMilk
15 ALL	572794.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
7 ALL	572784.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
16 ALL	572804.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
17 ALL	572814.9	4148800	NonCancerChronicDerived_InhSoilDermMMilk
8 ALL	572794.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
9 ALL	572804.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
10 ALL	572814.9	4148790	NonCancerChronicDerived_InhSoilDermMMilk
2 ALL	572794.9	4148780	NonCancerChronicDerived_InhSoilDermMMilk
3 ALL	572804.9	4148780	NonCancerChronicDerived_InhSoilDermMMilk
4 ALL	572814.9	4148780	NonCancerChronicDerived_InhSoilDermMMilk
1 ALL	572804.9	4148770	NonCancerChronicDerived_InhSoilDermMMilk

**HARP - Air Dispersion Modeling and Risk Tool v22118

**9/7/2022

**Exported Risk Results

123 Independence Drive Project - Roadway HRA - Chronic

MAXHI

- 0.015091
- 0.014158
- 0.013916
- 0.013901
- 0.01377
- 0.013559
- 0.013392
- 0.013217
- 0.013028
- 0.012975
- 0.012942
- 0.01289
- 0.012679
- 0.012569
- 0.012389
- 0.012243
- 0.012149
- 0.012106
- 0.0119
- 0.011828
- 0.011653
- 0.011544
- 0.011419
- 0.011408
- 0.011265
- 0.011209
- 0.011167
- 0.011
- 0.010919
- 0.010787
- 0.010773
- 0.010669
- 0.010594
- 0.010572
- 0.010411
- 0.010353
- 0.010223
- 0.010132
- 0.010042
- 0.010029
- 0.009918
- 0.009879
- 0.009835
- 0.009715
- 0.009647
- 0.009552

123 Independence Drive Project - Roadway HRA - Chronic

0.009549
0.009458
0.009411
0.009383
0.009369
0.009271
0.009252
0.009221
0.00916
0.00913
0.009127
0.009067
0.009051
0.009005
0.00898
0.008968
0.008918
0.008879
0.008864
0.008856
0.008843
0.008832
0.008784
0.008759
0.008751
0.008705
0.008679
0.008649
0.008619
0.008619
0.008572
0.008533
0.008525
0.008521
0.008517
0.008482
0.008459
0.008431
0.008416
0.00839
0.008342
0.008335
0.008313
0.008296
0.008231
0.008229
0.008226

123 Independence Drive Project - Roadway HRA - Chronic

0.008195
0.008176
0.00817
0.00814
0.008121
0.008114
0.008058
0.008045
0.008044
0.008038
0.008009
0.007989
0.007968
0.007964
0.007943
0.007902
0.007891
0.007888
0.007885
0.007862
0.007822
0.007814
0.007798
0.007769
0.007763
0.007758
0.007757
0.007754
0.007731
0.007706
0.007687
0.007654
0.007648
0.007644
0.00764
0.007638
0.007614
0.007608
0.007597
0.007597
0.007568
0.007539
0.007534
0.007533
0.00753
0.007522
0.007517

123 Independence Drive Project - Roadway HRA - Chronic

0.007514
0.007494
0.007468
0.007465
0.007461
0.007453
0.007446
0.007436
0.007428
0.007426
0.007419
0.007417
0.007417
0.0074
0.007399
0.007397
0.007396
0.007374
0.007372
0.007371
0.007366
0.007357
0.007356
0.007353
0.007334
0.007328
0.007325
0.007305
0.007304
0.007302
0.0073
0.007293
0.007286
0.007283
0.007253
0.007243
0.007242
0.007237
0.007229
0.007219
0.007215
0.007196
0.007169
0.007166
0.007158
0.007157
0.007149

123 Independence Drive Project - Roadway HRA - Chronic

0.007147
0.007144
0.007098
0.007097
0.007085
0.007067
0.007066
0.007058
0.007058
0.007039
0.006996
0.006992
0.006975
0.006971
0.006966
0.006961
0.006925
0.006897
0.006888
0.006869
0.006868
0.00686
0.006848
0.006832
0.006811
0.006806
0.006799
0.006775
0.006766
0.00676
0.006759
0.006757
0.006742
0.00673
0.006694
0.006682
0.006664
0.006659
0.006658
0.006649
0.006646
0.006629
0.006624
0.006583
0.006558
0.006547
0.006537

123 Independence Drive Project - Roadway HRA - Chronic

0.006534
0.006529
0.006512
0.006499
0.006493
0.006467
0.006431
0.006415
0.006415
0.006407
0.006387
0.006368
0.006357
0.006352
0.006347
0.00631
0.006292
0.006282
0.006235
0.006223
0.006216
0.006208
0.006202
0.006187
0.006169
0.006153
0.006099
0.006097
0.006064
0.006062
0.006047
0.006023
0.00597
0.005963
0.00592
0.005892
0.005827
0.005777
0.00576
0.005692
0.005635
0.005557

123 Independence Drive - Roadway HRA - Acute

REC	GRP	NETID	X	Y	SCENARIO	MAXHI
277	ALL		572602.6	4148881	NonCancerAcute	0.006052
169	ALL		572614.9	4148900	NonCancerAcute	0.005737
273	ALL		572628.7	4148930	NonCancerAcute	0.005714
89	ALL		572834.9	4148850	NonCancerAcute	0.005661
209	ALL		572624.9	4148920	NonCancerAcute	0.005654
149	ALL		572614.9	4148890	NonCancerAcute	0.005615
70	ALL		572834.9	4148840	NonCancerAcute	0.005534
189	ALL		572624.9	4148910	NonCancerAcute	0.005519
130	ALL		572614.9	4148880	NonCancerAcute	0.005476
54	ALL		572834.9	4148830	NonCancerAcute	0.005448
170	ALL		572624.9	4148900	NonCancerAcute	0.00543
274	ALL		572638.7	4148930	NonCancerAcute	0.005398
110	ALL		572824.9	4148860	NonCancerAcute	0.00535
210	ALL		572634.9	4148920	NonCancerAcute	0.005341
88	ALL		572824.9	4148850	NonCancerAcute	0.005337
39	ALL		572834.9	4148820	NonCancerAcute	0.00533
150	ALL		572624.9	4148890	NonCancerAcute	0.005327
111	ALL		572614.9	4148870	NonCancerAcute	0.005323
69	ALL		572824.9	4148840	NonCancerAcute	0.005253
190	ALL		572634.9	4148910	NonCancerAcute	0.005237
253	ALL		572824.9	4148940	NonCancerAcute	0.00523
131	ALL		572624.9	4148880	NonCancerAcute	0.005204
53	ALL		572824.9	4148830	NonCancerAcute	0.00518
171	ALL		572634.9	4148900	NonCancerAcute	0.005165
38	ALL		572824.9	4148820	NonCancerAcute	0.005113
151	ALL		572634.9	4148890	NonCancerAcute	0.005074
211	ALL		572644.9	4148920	NonCancerAcute	0.005068
112	ALL		572624.9	4148870	NonCancerAcute	0.005061
87	ALL		572814.9	4148850	NonCancerAcute	0.005052
239	ALL		572814.9	4148930	NonCancerAcute	0.005048
109	ALL		572814.9	4148860	NonCancerAcute	0.005042
252	ALL		572814.9	4148940	NonCancerAcute	0.005017
27	ALL		572824.9	4148810	NonCancerAcute	0.005012
68	ALL		572814.9	4148840	NonCancerAcute	0.005007
191	ALL		572644.9	4148910	NonCancerAcute	0.004992
132	ALL		572634.9	4148880	NonCancerAcute	0.004962
226	ALL		572814.9	4148920	NonCancerAcute	0.004944
52	ALL		572814.9	4148830	NonCancerAcute	0.004933
172	ALL		572644.9	4148900	NonCancerAcute	0.004933
37	ALL		572814.9	4148820	NonCancerAcute	0.004904
238	ALL		572804.9	4148930	NonCancerAcute	0.004873
91	ALL		572634.9	4148860	NonCancerAcute	0.004864
113	ALL		572634.9	4148870	NonCancerAcute	0.004863
152	ALL		572644.9	4148890	NonCancerAcute	0.004852
26	ALL		572814.9	4148810	NonCancerAcute	0.004835
251	ALL		572804.9	4148940	NonCancerAcute	0.004832

123 Independence Drive - Roadway HRA - Acute

212 ALL	572654.9	4148920	NonCancerAcute	0.004829
86 ALL	572804.9	4148850	NonCancerAcute	0.004813
67 ALL	572804.9	4148840	NonCancerAcute	0.004797
225 ALL	572804.9	4148920	NonCancerAcute	0.004796
208 ALL	572814.9	4148910	NonCancerAcute	0.004794
108 ALL	572804.9	4148860	NonCancerAcute	0.004784
192 ALL	572654.9	4148910	NonCancerAcute	0.004779
114 ALL	572644.9	4148870	NonCancerAcute	0.004772
275 ALL	572804.7	4148949	NonCancerAcute	0.004759
92 ALL	572644.9	4148860	NonCancerAcute	0.004752
133 ALL	572644.9	4148880	NonCancerAcute	0.004748
173 ALL	572654.9	4148900	NonCancerAcute	0.004731
51 ALL	572804.9	4148830	NonCancerAcute	0.004728
17 ALL	572814.9	4148800	NonCancerAcute	0.004724
36 ALL	572804.9	4148820	NonCancerAcute	0.004721
237 ALL	572794.9	4148930	NonCancerAcute	0.00472
207 ALL	572804.9	4148910	NonCancerAcute	0.004708
115 ALL	572654.9	4148870	NonCancerAcute	0.004684
25 ALL	572804.9	4148810	NonCancerAcute	0.004671
250 ALL	572794.9	4148940	NonCancerAcute	0.004669
134 ALL	572654.9	4148880	NonCancerAcute	0.004667
224 ALL	572794.9	4148920	NonCancerAcute	0.004665
153 ALL	572654.9	4148890	NonCancerAcute	0.004658
93 ALL	572654.9	4148860	NonCancerAcute	0.004646
206 ALL	572794.9	4148910	NonCancerAcute	0.004631
213 ALL	572664.9	4148920	NonCancerAcute	0.00462
264 ALL	572794.9	4148950	NonCancerAcute	0.004619
168 ALL	572804.9	4148890	NonCancerAcute	0.004618
71 ALL	572654.9	4148850	NonCancerAcute	0.004617
85 ALL	572794.9	4148850	NonCancerAcute	0.004603
193 ALL	572664.9	4148910	NonCancerAcute	0.004595
188 ALL	572804.9	4148900	NonCancerAcute	0.004595
116 ALL	572664.9	4148870	NonCancerAcute	0.004594
135 ALL	572664.9	4148880	NonCancerAcute	0.004594
66 ALL	572794.9	4148840	NonCancerAcute	0.004593
236 ALL	572784.9	4148930	NonCancerAcute	0.004586
129 ALL	572794.9	4148870	NonCancerAcute	0.004585
16 ALL	572804.9	4148800	NonCancerAcute	0.004585
10 ALL	572814.9	4148790	NonCancerAcute	0.00457
107 ALL	572794.9	4148860	NonCancerAcute	0.004564
205 ALL	572784.9	4148910	NonCancerAcute	0.004563
94 ALL	572664.9	4148860	NonCancerAcute	0.004558
148 ALL	572794.9	4148880	NonCancerAcute	0.004557
174 ALL	572664.9	4148900	NonCancerAcute	0.004554
223 ALL	572784.9	4148920	NonCancerAcute	0.004552
154 ALL	572664.9	4148890	NonCancerAcute	0.004551
187 ALL	572794.9	4148900	NonCancerAcute	0.004548

123 Independence Drive - Roadway HRA - Acute

50 ALL	572794.9	4148830	NonCancerAcute	0.004539
35 ALL	572794.9	4148820	NonCancerAcute	0.004538
136 ALL	572674.9	4148880	NonCancerAcute	0.004531
249 ALL	572784.9	4148940	NonCancerAcute	0.004526
24 ALL	572794.9	4148810	NonCancerAcute	0.00452
72 ALL	572664.9	4148850	NonCancerAcute	0.004518
117 ALL	572674.9	4148870	NonCancerAcute	0.004518
186 ALL	572784.9	4148900	NonCancerAcute	0.004506
204 ALL	572774.9	4148910	NonCancerAcute	0.004503
167 ALL	572794.9	4148890	NonCancerAcute	0.004502
155 ALL	572674.9	4148890	NonCancerAcute	0.004498
95 ALL	572674.9	4148860	NonCancerAcute	0.004485
272 ALL	572774.9	4148960	NonCancerAcute	0.004482
137 ALL	572684.9	4148880	NonCancerAcute	0.004478
235 ALL	572774.9	4148930	NonCancerAcute	0.00447
185 ALL	572774.9	4148900	NonCancerAcute	0.004469
9 ALL	572804.9	4148790	NonCancerAcute	0.004469
128 ALL	572784.9	4148870	NonCancerAcute	0.004469
263 ALL	572784.9	4148950	NonCancerAcute	0.004465
222 ALL	572774.9	4148920	NonCancerAcute	0.004463
15 ALL	572794.9	4148800	NonCancerAcute	0.00446
156 ALL	572684.9	4148890	NonCancerAcute	0.004457
147 ALL	572784.9	4148880	NonCancerAcute	0.004454
73 ALL	572674.9	4148850	NonCancerAcute	0.004454
203 ALL	572764.9	4148910	NonCancerAcute	0.004451
118 ALL	572684.9	4148870	NonCancerAcute	0.004448
184 ALL	572764.9	4148900	NonCancerAcute	0.004438
194 ALL	572674.9	4148910	NonCancerAcute	0.004435
138 ALL	572694.9	4148880	NonCancerAcute	0.004434
106 ALL	572784.9	4148860	NonCancerAcute	0.004432
157 ALL	572694.9	4148890	NonCancerAcute	0.004427
175 ALL	572674.9	4148900	NonCancerAcute	0.004426
84 ALL	572784.9	4148850	NonCancerAcute	0.004418
65 ALL	572784.9	4148840	NonCancerAcute	0.004415
96 ALL	572684.9	4148860	NonCancerAcute	0.004415
183 ALL	572754.9	4148900	NonCancerAcute	0.004411
158 ALL	572704.9	4148890	NonCancerAcute	0.004406
202 ALL	572754.9	4148910	NonCancerAcute	0.004405
166 ALL	572784.9	4148890	NonCancerAcute	0.004403
248 ALL	572774.9	4148940	NonCancerAcute	0.004402
74 ALL	572684.9	4148850	NonCancerAcute	0.004399
271 ALL	572764.9	4148960	NonCancerAcute	0.004398
221 ALL	572764.9	4148920	NonCancerAcute	0.004396
139 ALL	572704.9	4148880	NonCancerAcute	0.004393
176 ALL	572684.9	4148900	NonCancerAcute	0.004392
4 ALL	572814.9	4148780	NonCancerAcute	0.004391
159 ALL	572714.9	4148890	NonCancerAcute	0.00439

123 Independence Drive - Roadway HRA - Acute

127 ALL	572774.9	4148870	NonCancerAcute	0.004389
182 ALL	572744.9	4148900	NonCancerAcute	0.004388
146 ALL	572774.9	4148880	NonCancerAcute	0.004387
262 ALL	572774.9	4148950	NonCancerAcute	0.004387
119 ALL	572694.9	4148870	NonCancerAcute	0.004385
240 ALL	572717.8	4148975	NonCancerAcute	0.004379
160 ALL	572724.9	4148890	NonCancerAcute	0.004376
255 ALL	572704.9	4148950	NonCancerAcute	0.004376
177 ALL	572694.9	4148900	NonCancerAcute	0.004374
181 ALL	572734.9	4148900	NonCancerAcute	0.004373
180 ALL	572724.9	4148900	NonCancerAcute	0.004371
49 ALL	572784.9	4148830	NonCancerAcute	0.00437
234 ALL	572764.9	4148930	NonCancerAcute	0.00437
179 ALL	572714.9	4148900	NonCancerAcute	0.00437
178 ALL	572704.9	4148900	NonCancerAcute	0.00437
8 ALL	572794.9	4148790	NonCancerAcute	0.004365
161 ALL	572734.9	4148890	NonCancerAcute	0.004364
165 ALL	572774.9	4148890	NonCancerAcute	0.004356
105 ALL	572774.9	4148860	NonCancerAcute	0.004356
140 ALL	572714.9	4148880	NonCancerAcute	0.004356
201 ALL	572744.9	4148910	NonCancerAcute	0.004356
23 ALL	572784.9	4148810	NonCancerAcute	0.004355
162 ALL	572744.9	4148890	NonCancerAcute	0.004355
126 ALL	572764.9	4148870	NonCancerAcute	0.004353
164 ALL	572764.9	4148890	NonCancerAcute	0.004352
75 ALL	572694.9	4148850	NonCancerAcute	0.004352
97 ALL	572694.9	4148860	NonCancerAcute	0.004351
163 ALL	572754.9	4148890	NonCancerAcute	0.004351
55 ALL	572684.9	4148840	NonCancerAcute	0.004351
34 ALL	572784.9	4148820	NonCancerAcute	0.00435
120 ALL	572704.9	4148870	NonCancerAcute	0.004339
265 ALL	572714.5	4148967	NonCancerAcute	0.004336
220 ALL	572754.9	4148920	NonCancerAcute	0.004333
145 ALL	572764.9	4148880	NonCancerAcute	0.004331
266 ALL	572714.9	4148960	NonCancerAcute	0.004329
261 ALL	572764.9	4148950	NonCancerAcute	0.004327
98 ALL	572704.9	4148860	NonCancerAcute	0.004325
14 ALL	572784.9	4148800	NonCancerAcute	0.004324
125 ALL	572754.9	4148870	NonCancerAcute	0.004323
3 ALL	572804.9	4148780	NonCancerAcute	0.004323
200 ALL	572734.9	4148910	NonCancerAcute	0.004322
141 ALL	572724.9	4148880	NonCancerAcute	0.00432
270 ALL	572754.9	4148960	NonCancerAcute	0.004318
247 ALL	572764.9	4148940	NonCancerAcute	0.004315
76 ALL	572704.9	4148850	NonCancerAcute	0.004311
199 ALL	572724.9	4148910	NonCancerAcute	0.004307
241 ALL	572704.9	4148940	NonCancerAcute	0.004306

123 Independence Drive - Roadway HRA - Acute

256 ALL	572714.9	4148950	NonCancerAcute	0.004306
104 ALL	572764.9	4148860	NonCancerAcute	0.004305
99 ALL	572714.9	4148860	NonCancerAcute	0.004304
254 ALL	572724.6	4148968	NonCancerAcute	0.004301
121 ALL	572714.9	4148870	NonCancerAcute	0.0043
124 ALL	572744.9	4148870	NonCancerAcute	0.0043
195 ALL	572684.9	4148910	NonCancerAcute	0.004297
198 ALL	572714.9	4148910	NonCancerAcute	0.004297
267 ALL	572724.9	4148960	NonCancerAcute	0.004296
103 ALL	572754.9	4148860	NonCancerAcute	0.004294
100 ALL	572724.9	4148860	NonCancerAcute	0.004293
56 ALL	572694.9	4148840	NonCancerAcute	0.00429
102 ALL	572744.9	4148860	NonCancerAcute	0.004289
101 ALL	572734.9	4148860	NonCancerAcute	0.004288
197 ALL	572704.9	4148910	NonCancerAcute	0.004288
142 ALL	572734.9	4148880	NonCancerAcute	0.004288
196 ALL	572694.9	4148910	NonCancerAcute	0.004285
260 ALL	572754.9	4148950	NonCancerAcute	0.004285
144 ALL	572754.9	4148880	NonCancerAcute	0.004283
123 ALL	572734.9	4148870	NonCancerAcute	0.004282
77 ALL	572714.9	4148850	NonCancerAcute	0.004276
233 ALL	572754.9	4148930	NonCancerAcute	0.004276
268 ALL	572734.9	4148960	NonCancerAcute	0.004274
122 ALL	572724.9	4148870	NonCancerAcute	0.004272
227 ALL	572694.9	4148930	NonCancerAcute	0.004271
143 ALL	572744.9	4148880	NonCancerAcute	0.00427
269 ALL	572744.9	4148960	NonCancerAcute	0.004267
219 ALL	572744.9	4148920	NonCancerAcute	0.004267
257 ALL	572724.9	4148950	NonCancerAcute	0.004263
259 ALL	572744.9	4148950	NonCancerAcute	0.004261
83 ALL	572774.9	4148850	NonCancerAcute	0.004259
246 ALL	572754.9	4148940	NonCancerAcute	0.004258
64 ALL	572774.9	4148840	NonCancerAcute	0.004258
7 ALL	572784.9	4148790	NonCancerAcute	0.004256
258 ALL	572734.9	4148950	NonCancerAcute	0.004251
78 ALL	572724.9	4148850	NonCancerAcute	0.004251
242 ALL	572714.9	4148940	NonCancerAcute	0.004247
2 ALL	572794.9	4148780	NonCancerAcute	0.004245
82 ALL	572764.9	4148850	NonCancerAcute	0.00424
57 ALL	572704.9	4148840	NonCancerAcute	0.004235
79 ALL	572734.9	4148850	NonCancerAcute	0.00423
218 ALL	572734.9	4148920	NonCancerAcute	0.004229
81 ALL	572754.9	4148850	NonCancerAcute	0.004226
48 ALL	572774.9	4148830	NonCancerAcute	0.004219
80 ALL	572744.9	4148850	NonCancerAcute	0.004215
243 ALL	572724.9	4148940	NonCancerAcute	0.00421
245 ALL	572744.9	4148940	NonCancerAcute	0.004208

123 Independence Drive - Roadway HRA - Acute

217 ALL	572724.9	4148920	NonCancerAcute	0.004204
228 ALL	572704.9	4148930	NonCancerAcute	0.004202
244 ALL	572734.9	4148940	NonCancerAcute	0.004196
22 ALL	572774.9	4148810	NonCancerAcute	0.004195
232 ALL	572744.9	4148930	NonCancerAcute	0.004195
58 ALL	572714.9	4148840	NonCancerAcute	0.004189
216 ALL	572714.9	4148920	NonCancerAcute	0.004185
13 ALL	572774.9	4148800	NonCancerAcute	0.004184
214 ALL	572694.9	4148920	NonCancerAcute	0.004183
33 ALL	572774.9	4148820	NonCancerAcute	0.004177
40 ALL	572694.9	4148830	NonCancerAcute	0.004174
215 ALL	572704.9	4148920	NonCancerAcute	0.004169
59 ALL	572724.9	4148840	NonCancerAcute	0.00416
1 ALL	572804.9	4148770	NonCancerAcute	0.00416
231 ALL	572734.9	4148930	NonCancerAcute	0.004151
229 ALL	572714.9	4148930	NonCancerAcute	0.004151
60 ALL	572734.9	4148840	NonCancerAcute	0.004147
230 ALL	572724.9	4148930	NonCancerAcute	0.004145
6 ALL	572774.9	4148790	NonCancerAcute	0.004142
61 ALL	572744.9	4148840	NonCancerAcute	0.004138
63 ALL	572764.9	4148840	NonCancerAcute	0.004136
62 ALL	572754.9	4148840	NonCancerAcute	0.004131
41 ALL	572704.9	4148830	NonCancerAcute	0.004124
47 ALL	572764.9	4148830	NonCancerAcute	0.004095
42 ALL	572714.9	4148830	NonCancerAcute	0.004088
43 ALL	572724.9	4148830	NonCancerAcute	0.004058
12 ALL	572764.9	4148800	NonCancerAcute	0.004055
21 ALL	572764.9	4148810	NonCancerAcute	0.004044
5 ALL	572764.9	4148790	NonCancerAcute	0.004037
44 ALL	572734.9	4148830	NonCancerAcute	0.00403
32 ALL	572764.9	4148820	NonCancerAcute	0.004019
46 ALL	572754.9	4148830	NonCancerAcute	0.004004
45 ALL	572744.9	4148830	NonCancerAcute	0.004004
11 ALL	572754.9	4148800	NonCancerAcute	0.003941
31 ALL	572754.9	4148820	NonCancerAcute	0.003927
20 ALL	572754.9	4148810	NonCancerAcute	0.003916
28 ALL	572724.9	4148820	NonCancerAcute	0.003904
29 ALL	572734.9	4148820	NonCancerAcute	0.003862
30 ALL	572744.9	4148820	NonCancerAcute	0.003857
19 ALL	572744.9	4148810	NonCancerAcute	0.003807
18 ALL	572734.9	4148810	NonCancerAcute	0.003715

**HARP - Air Dispersion Modeling and Risk Tool v22118

**9/7/2022

**Exported Risk Results