
Appendix A-1

CalEEMod Regional Emissions

Santee Community Center Regional Emissions Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santee Community Center Regional Emissions
Construction Start Date	8/4/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	7.60
Location	10123 Riverwalk Dr, Santee, CA 92071, USA
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6529
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Government (Civic Center)	12.5	1000sqft	0.95	12,500	33,106	0.00	—	—
Parking Lot	67.7	1000sqft	1.55	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	30.9	1000sqft	0.71	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.03	4.43	31.9	31.1	0.05	1.37	19.8	21.2	1.26	10.1	11.4	—	5,616	5,616	0.24	0.34	5.02	5,644
Mit.	4.03	4.43	31.9	31.1	0.05	1.37	7.86	9.22	1.26	3.99	5.24	—	5,616	5,616	0.24	0.34	5.02	5,644
% Reduced	—	—	—	—	—	—	60%	57%	—	61%	54%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.40	1.17	10.6	13.5	0.02	0.43	0.11	0.54	0.40	0.03	0.43	—	2,587	2,587	0.11	0.04	0.02	2,601
Mit.	1.40	1.17	10.6	13.5	0.02	0.43	0.11	0.54	0.40	0.03	0.43	—	2,587	2,587	0.11	0.04	0.02	2,601

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.59	0.74	4.42	5.99	0.01	0.17	0.54	0.71	0.16	0.23	0.39	—	1,138	1,138	0.05	0.03	0.19	1,144
Mit.	0.59	0.74	4.42	5.99	0.01	0.17	0.29	0.46	0.16	0.11	0.26	—	1,138	1,138	0.05	0.03	0.19	1,144
% Reduced	—	—	—	—	—	—	47%	35%	—	54%	32%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.14	0.81	1.09	< 0.005	0.03	0.10	0.13	0.03	0.04	0.07	—	188	188	0.01	< 0.005	0.03	189
Mit.	0.11	0.14	0.81	1.09	< 0.005	0.03	0.05	0.08	0.03	0.02	0.05	—	188	188	0.01	< 0.005	0.03	189
% Reduced	—	—	—	—	—	—	47%	35%	—	54%	32%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	13.7	40.0	100	40.0	—	—	15.0	—	—	10.0	—	—	—	—	—	—	—

Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.03	3.39	31.9	31.1	0.05	1.37	19.8	21.2	1.26	10.1	11.4	—	5,616	5,616	0.24	0.34	5.02	5,644
2026	2.23	4.43	16.4	23.2	0.04	0.64	0.29	0.93	0.59	0.07	0.66	—	4,174	4,174	0.17	0.06	1.34	4,197
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.40	1.17	10.6	13.5	0.02	0.43	0.11	0.54	0.40	0.03	0.43	—	2,587	2,587	0.11	0.04	0.02	2,601
2026	1.33	1.11	10.0	13.4	0.02	0.38	0.11	0.49	0.35	0.03	0.38	—	2,583	2,583	0.11	0.04	0.01	2,597
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.55	0.46	4.28	4.71	0.01	0.17	0.54	0.71	0.16	0.23	0.39	—	972	972	0.04	0.03	0.19	982
2026	0.59	0.74	4.42	5.99	0.01	0.17	0.06	0.23	0.15	0.01	0.17	—	1,138	1,138	0.05	0.02	0.13	1,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.08	0.78	0.86	< 0.005	0.03	0.10	0.13	0.03	0.04	0.07	—	161	161	0.01	< 0.005	0.03	163
2026	0.11	0.14	0.81	1.09	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	—	188	188	0.01	< 0.005	0.02	189

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.03	3.39	31.9	31.1	0.05	1.37	7.86	9.22	1.26	3.99	5.24	—	5,616	5,616	0.24	0.34	5.02	5,644
2026	2.23	4.43	16.4	23.2	0.04	0.64	0.29	0.93	0.59	0.07	0.66	—	4,174	4,174	0.17	0.06	1.34	4,197
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.40	1.17	10.6	13.5	0.02	0.43	0.11	0.54	0.40	0.03	0.43	—	2,587	2,587	0.11	0.04	0.02	2,601
2026	1.33	1.11	10.0	13.4	0.02	0.38	0.11	0.49	0.35	0.03	0.38	—	2,583	2,583	0.11	0.04	0.01	2,597
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.55	0.46	4.28	4.71	0.01	0.17	0.29	0.46	0.16	0.11	0.26	—	972	972	0.04	0.03	0.19	982
2026	0.59	0.74	4.42	5.99	0.01	0.17	0.06	0.23	0.15	0.01	0.17	—	1,138	1,138	0.05	0.02	0.13	1,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.08	0.78	0.86	< 0.005	0.03	0.05	0.08	0.03	0.02	0.05	—	161	161	0.01	< 0.005	0.03	163
2026	0.11	0.14	0.81	1.09	< 0.005	0.03	0.01	0.04	0.03	< 0.005	0.03	—	188	188	0.01	< 0.005	0.02	189

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.92	6.66	5.49	42.7	0.10	0.16	8.44	8.61	0.16	2.14	2.30	43.2	10,760	10,803	4.84	0.40	33.2	11,076
Mit.	6.92	6.66	5.49	42.7	0.10	0.16	8.44	8.61	0.16	2.14	2.30	43.2	10,708	10,751	4.84	0.40	33.2	11,024
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	6.71	6.44	5.87	40.0	0.10	0.16	8.44	8.60	0.15	2.14	2.30	43.2	10,318	10,361	4.87	0.42	0.89	10,610
Mit.	6.71	6.44	5.87	40.0	0.10	0.16	8.44	8.60	0.15	2.14	2.30	43.2	10,266	10,309	4.87	0.42	0.89	10,557
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	1%	1%	< 0.5%	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.20	5.98	4.58	39.0	0.09	0.09	8.40	8.50	0.09	2.13	2.22	43.2	10,159	10,202	4.85	0.41	14.4	10,461
Mit.	6.20	5.98	4.58	39.0	0.09	0.09	8.40	8.50	0.09	2.13	2.22	43.2	10,107	10,150	4.85	0.41	14.4	10,409
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	1%	1%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	1.09	0.84	7.12	0.02	0.02	1.53	1.55	0.02	0.39	0.41	7.15	1,682	1,689	0.80	0.07	2.38	1,732
Mit.	1.13	1.09	0.84	7.12	0.02	0.02	1.53	1.55	0.02	0.39	0.41	7.15	1,673	1,680	0.80	0.07	2.38	1,723
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	1%	1%	< 0.5%	< 0.5%	—	< 0.5%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	13.7	40.0	100	40.0	—	—	15.0	—	—	10.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Area	0.10	0.39	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	559	559	0.04	< 0.005	—	561
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationar y	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	6.92	6.66	5.49	42.7	0.10	0.16	8.44	8.61	0.16	2.14	2.30	43.2	10,760	10,803	4.84	0.40	33.2	11,076
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Area	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	559	559	0.04	< 0.005	—	561
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	6.71	6.44	5.87	40.0	0.10	0.16	8.44	8.60	0.15	2.14	2.30	43.2	10,318	10,361	4.87	0.42	0.89	10,610
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.06	5.55	4.26	38.5	0.09	0.08	8.40	8.48	0.07	2.13	2.20	—	9,530	9,530	0.49	0.40	14.3	9,676
Area	0.05	0.34	< 0.005	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	—	1.11
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	559	559	0.04	< 0.005	—	561
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.08	0.07	0.21	0.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	37.7	37.7	< 0.005	< 0.005	0.00	37.8
Total	6.20	5.98	4.58	39.0	0.09	0.09	8.40	8.50	0.09	2.13	2.22	43.2	10,159	10,202	4.85	0.41	14.4	10,461
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602
Area	0.01	0.06	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.5	92.5	0.01	< 0.005	—	92.8
Water	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61
Waste	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Stationary	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26
Total	1.13	1.09	0.84	7.12	0.02	0.02	1.53	1.55	0.02	0.39	0.41	7.15	1,682	1,689	0.80	0.07	2.38	1,732

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Area	0.10	0.39	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	507	507	0.03	< 0.005	—	508
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	6.92	6.66	5.49	42.7	0.10	0.16	8.44	8.61	0.16	2.14	2.30	43.2	10,708	10,751	4.84	0.40	33.2	11,024
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Area	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	507	507	0.03	< 0.005	—	508
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	6.71	6.44	5.87	40.0	0.10	0.16	8.44	8.60	0.15	2.14	2.30	43.2	10,266	10,309	4.87	0.42	0.89	10,557
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.06	5.55	4.26	38.5	0.09	0.08	8.40	8.48	0.07	2.13	2.20	—	9,530	9,530	0.49	0.40	14.3	9,676
Area	0.05	0.34	< 0.005	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.10	1.10	< 0.005	< 0.005	—	1.11
Energy	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	507	507	0.03	< 0.005	—	508
Water	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0

Waste	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.08	0.07	0.21	0.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	37.7	37.7	< 0.005	< 0.005	0.00	37.8
Total	6.20	5.98	4.58	39.0	0.09	0.09	8.40	8.50	0.09	2.13	2.22	43.2	10,107	10,150	4.85	0.41	14.4	10,409
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602
Area	0.01	0.06	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18
Energy	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.9	83.9	0.01	< 0.005	—	84.2
Water	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61
Waste	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Stationary	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26
Total	1.13	1.09	0.84	7.12	0.02	0.02	1.53	1.55	0.02	0.39	0.41	7.15	1,673	1,680	0.80	0.07	2.38	1,723

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.08	0.02	1.32	0.49	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	1,006	1,006	0.06	0.16	2.19	1,057
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.92	7.92	< 0.005	< 0.005	0.01	8.04

Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.23	8.23	< 0.005	< 0.005	0.01	8.60
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	55.1	55.1	< 0.005	0.01	0.05	57.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.42
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.13	9.13	< 0.005	< 0.005	0.01	9.58

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.08	0.02	1.32	0.49	0.01	0.02	0.26	0.28	0.02	0.07	0.09	—	1,006	1,006	0.06	0.16	2.19	1,057
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.92	7.92	< 0.005	< 0.005	0.01	8.04
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.23	8.23	< 0.005	< 0.005	0.01	8.60
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	55.1	55.1	< 0.005	0.01	0.05	57.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.42
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.13	9.13	< 0.005	< 0.005	0.01	9.58

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.61	9.61	< 0.005	< 0.005	—	9.64
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.83	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	171	171	0.01	0.01	0.64	173
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.65	1.65	< 0.005	< 0.005	< 0.005	1.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement:	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Dust From Material Movement:	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.61	9.61	< 0.005	< 0.005	—	9.64
Dust From Material Movement:	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.83	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	171	171	0.01	0.01	0.64	173
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.65	1.65	< 0.005	< 0.005	< 0.005	1.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	81.1	81.1	< 0.005	< 0.005	—	81.4
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.5
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.15	0.04	2.45	0.92	0.01	0.03	0.48	0.52	0.03	0.13	0.17	—	1,868	1,868	0.10	0.29	4.07	1,962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.96	3.96	< 0.005	< 0.005	0.01	4.02
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.30

Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	51.2	51.2	< 0.005	0.01	0.05	53.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.67
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.48	8.48	< 0.005	< 0.005	0.01	8.89

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	81.1	81.1	< 0.005	< 0.005	—	81.4
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.5
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	150	150	0.01	0.02	0.39	157
Hauling	0.15	0.04	2.45	0.92	0.01	0.03	0.48	0.52	0.03	0.13	0.17	—	1,868	1,868	0.10	0.29	4.07	1,962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.96	3.96	< 0.005	< 0.005	0.01	4.02
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.30
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	51.2	51.2	< 0.005	0.01	0.05	53.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.67
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.48	8.48	< 0.005	< 0.005	0.01	8.89

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.06	2.58	< 0.005	0.09	—	0.09	0.08	—	0.08	—	474	474	0.02	< 0.005	—	476
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.47	< 0.005	0.02	—	0.02	0.01	—	0.01	—	78.5	78.5	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.46	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	94.9	94.9	< 0.005	< 0.005	0.36	96.3
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	100	100	< 0.005	0.01	0.26	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	89.6	89.6	< 0.005	< 0.005	0.01	90.8
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	100	100	< 0.005	0.01	0.01	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.03	18.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	0.01	3.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.06	2.58	< 0.005	0.09	—	0.09	0.08	—	0.08	—	474	474	0.02	< 0.005	—	476
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.47	< 0.005	0.02	—	0.02	0.01	—	0.01	—	78.5	78.5	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.46	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	94.9	94.9	< 0.005	< 0.005	0.36	96.3
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	100	100	< 0.005	0.01	0.26	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	89.6	89.6	< 0.005	< 0.005	0.01	90.8

Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	100	100	< 0.005	0.01	0.01	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.03	18.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	0.01	3.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.95	5.20	0.01	0.15	—	0.15	0.14	—	0.14	—	962	962	0.04	0.01	—	965
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.72	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	159	159	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	93.0	93.0	< 0.005	< 0.005	0.33	94.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.3	98.3	< 0.005	0.01	0.24	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	87.8	87.8	< 0.005	< 0.005	0.01	89.0
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.3	98.3	< 0.005	0.01	0.01	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.5	35.5	< 0.005	< 0.005	0.06	36.1
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.4	39.4	< 0.005	0.01	0.04	41.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.88	5.88	< 0.005	< 0.005	0.01	5.97

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.95	5.20	0.01	0.15	—	0.15	0.14	—	0.14	—	962	962	0.04	0.01	—	965
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.72	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	159	159	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	93.0	93.0	< 0.005	< 0.005	0.33	94.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.3	98.3	< 0.005	0.01	0.24	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	87.8	87.8	< 0.005	< 0.005	0.01	89.0
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.3	98.3	< 0.005	0.01	0.01	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.5	35.5	< 0.005	< 0.005	0.06	36.1
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.4	39.4	< 0.005	0.01	0.04	41.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.88	5.88	< 0.005	< 0.005	0.01	5.97
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.81	0.68	6.23	8.81	0.01	0.26	—	0.26	0.24	—	0.24	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.0	74.0	< 0.005	< 0.005	—	74.2
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.86	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	186	186	0.01	0.01	0.65	189
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.71	9.71	< 0.005	< 0.005	0.02	9.85
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.61	1.61	< 0.005	< 0.005	< 0.005	1.63
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.23	8.81	0.01	0.26	—	0.26	0.24	—	0.24	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.0	74.0	< 0.005	< 0.005	—	74.2
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.86	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	186	186	0.01	0.01	0.65	189
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.71	9.71	< 0.005	< 0.005	0.02	9.85
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.61	1.61	< 0.005	< 0.005	< 0.005	1.63
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	4.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architect ural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architect ural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	93.0	93.0	< 0.005	< 0.005	0.33	94.4

Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	0.01	4.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	4.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architect ural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architect ural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	93.0	93.0	< 0.005	< 0.005	0.33	94.4
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	49.1	49.1	< 0.005	0.01	0.12	51.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.85	4.85	< 0.005	< 0.005	0.01	4.92

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.81
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.80	0.80	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Governm ent	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.24	5.75	3.93	40.8	0.10	0.08	8.44	8.52	0.07	2.14	2.21	—	9,903	9,903	0.47	0.38	33.2	10,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.13	5.62	4.32	38.6	0.09	0.08	8.44	8.52	0.07	2.14	2.21	—	9,464	9,464	0.50	0.40	0.86	9,597
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.11	1.01	0.78	7.02	0.02	0.01	1.53	1.55	0.01	0.39	0.40	—	1,578	1,578	0.08	0.07	2.37	1,602

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	335	335	0.02	< 0.005	—	336
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	95.7	95.7	0.01	< 0.005	—	96.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	430	430	0.02	< 0.005	—	432
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	335	335	0.02	< 0.005	—	336
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	95.7	95.7	0.01	< 0.005	—	96.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	430	430	0.02	< 0.005	—	432
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	55.4	55.4	< 0.005	< 0.005	—	55.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8	< 0.005	< 0.005	—	15.9

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	71.3	71.3	< 0.005	< 0.005	—	71.5

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.02	< 0.005	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	95.7	95.7	0.01	< 0.005	—	96.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	378	378	0.02	< 0.005	—	380
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.02	< 0.005	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	95.7	95.7	0.01	< 0.005	—	96.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	378	378	0.02	< 0.005	—	380
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	46.8	46.8	< 0.005	< 0.005	—	47.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	62.6	62.6	< 0.005	< 0.005	—	62.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Governm ent	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.3

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.3

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.10	0.09	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Total	0.10	0.39	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	0.01	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18

Total	0.01	0.06	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.10	0.09	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Total	0.10	0.39	< 0.005	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.24	2.24	< 0.005	< 0.005	—	2.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect ural	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.01	0.01	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18
Total	0.01	0.06	< 0.005	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.18	0.18	< 0.005	< 0.005	—	0.18

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.76	31.5	36.3	0.49	0.01	—	52.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.79	5.22	6.01	0.08	< 0.005	—	8.61

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Governm ent	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.36	0.00	6.36	0.64	0.00	—	22.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Governm ent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Governm ent (Civic Center)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26
Total	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Total	0.57	0.52	1.44	1.32	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	0.00	264	264	0.01	< 0.005	0.00	265
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26
Total	0.01	0.01	0.04	0.03	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	6.24	6.24	< 0.005	< 0.005	0.00	6.26

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	8/4/2025	9/1/2025	5.00	20.0	—
Site Preparation	Site Preparation	9/2/2025	9/5/2025	5.00	4.00	—
Grading	Grading	9/8/2025	9/19/2025	5.00	10.0	—
Building Construction	Building Construction	9/22/2025	7/24/2026	5.00	220	—
Paving	Paving	7/13/2026	8/7/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	8/10/2026	9/4/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	6.00	7.63	HHDT,MHDT
Demolition	Hauling	14.0	20.0	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	6.00	7.63	HHDT,MHDT
Grading	Hauling	26.0	20.0	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	10.0	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	4.00	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	10.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	6.00	7.63	HHDT,MHDT
Demolition	Hauling	14.0	20.0	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	6.00	7.63	HHDT,MHDT
Grading	Hauling	26.0	20.0	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	10.0	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	4.00	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT

Paving	—	—	—	—
Paving	Worker	20.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	10.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	18,750	6,250	5,918

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,030	—
Site Preparation	0.00	0.00	6.00	0.00	—
Grading	2,000	0.00	10.0	0.00	—

Paving	0.00	0.00	0.00	0.00	2.26

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Government (Civic Center)	0.00	0%
Parking Lot	1.55	100%
Other Non-Asphalt Surfaces	0.71	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	589	0.03	< 0.005
2026	0.00	589	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government (Civic Center)	1,441	1,441	1,441	525,965	11,960	11,960	11,960	4,365,539
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government (Civic Center)	1,441	1,441	1,441	525,965	11,960	11,960	11,960	4,365,539
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	18,750	6,250	5,918

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government (Civic Center)	207,432	589	0.0330	0.0040	400,288
Parking Lot	59,288	589	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	589	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government (Civic Center)	175,204	589	0.0330	0.0040	400,288
Parking Lot	59,288	589	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	589	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government (Civic Center)	2,483,246	494,741
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Government (Civic Center)	2,483,246	494,741
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government (Civic Center)	71.2	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government (Civic Center)	71.2	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government (Civic Center)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government (Civic Center)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government (Civic Center)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government (Civic Center)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	1.00	52.0	315	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.4	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	7.98	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	64.7
AQ-PM	45.1
AQ-DPM	25.7
Drinking Water	10.9
Lead Risk Housing	17.5
Pesticides	0.00
Toxic Releases	25.6
Traffic	48.6
Effect Indicators	—
CleanUp Sites	37.8
Groundwater	40.8
Haz Waste Facilities/Generators	84.7
Impaired Water Bodies	77.3
Solid Waste	9.67
Sensitive Population	—
Asthma	35.6
Cardio-vascular	30.2
Low Birth Weights	18.6
Socioeconomic Factor Indicators	—
Education	43.4
Housing	19.8
Linguistic	10.4
Poverty	16.6
Unemployment	28.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	66.11061209
Employed	1.296034903
Median HI	58.75785962
Education	—
Bachelor's or higher	47.36301809
High school enrollment	17.87501604
Preschool enrollment	14.26921596
Transportation	—
Auto Access	76.73553189
Active commuting	33.56858719
Social	—
2-parent households	27.65302194
Voting	75.72180162
Neighborhood	—
Alcohol availability	42.80764789
Park access	24.26536635
Retail density	59.4636212
Supermarket access	60.82381625
Tree canopy	8.135506224
Housing	—
Homeownership	43.19260875
Housing habitability	69.11330681
Low-inc homeowner severe housing cost burden	75.55498524
Low-inc renter severe housing cost burden	83.49801104
Uncrowded housing	47.26036186

Health Outcomes	—
Insured adults	74.51559091
Arthritis	0.0
Asthma ER Admissions	59.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	1.7
Cognitively Disabled	36.6
Physically Disabled	78.7
Heart Attack ER Admissions	49.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	48.8
Elderly	83.1
English Speaking	76.6
Foreign-born	6.0
Outdoor Workers	58.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	55.9
Traffic Density	49.3
Traffic Access	51.5
Other Indices	—
Hardship	31.7
Other Decision Support	—
2016 Voting	76.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	34.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Based on applicant provided schedule ~ 14 mos of construction. Note: duration of construction is greater than CalEEMod default values, therefore, it represents a conservative estimate.
Land Use	Adjusted acreage so total site acreage disturbed = 3.2
Construction: Trips and VMT	Even numbers for worker, vendor, and haul trips.
Operations: Vehicle Data	Based on Transportation Analysis. 115.28 trips per thousand square feet.
Operations: Emergency Generators and Fire Pumps	Based on Project Specs

Appendix A-2

CalEEMod Construction HRA Emissions

Santee Community Center Construction HRA Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santee Community Center Construction HRA
Construction Start Date	8/4/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	7.60
Location	10123 Riverwalk Dr, Santee, CA 92071, USA
County	San Diego
City	Santee
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6529
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Government (Civic Center)	15.2	1000sqft	0.95	15,171	33,106	0.00	—	—

Parking Lot	67.7	1000sqft	1.55	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	30.9	1000sqft	0.71	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.94	5.01	31.7	30.2	0.05	1.37	19.7	21.0	1.26	10.1	11.4	—	5,307	5,307	0.22	0.04	0.06	5,325
Mit.	0.96	5.01	5.67	28.4	0.05	0.21	19.7	19.8	0.19	10.1	10.2	—	5,307	5,307	0.22	0.04	0.06	5,325
% Reduced	76%	—	82%	6%	—	85%	—	6%	85%	—	10%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.35	1.13	10.5	13.1	0.02	0.43	< 0.005	0.43	0.40	< 0.005	0.40	—	2,405	2,405	0.10	0.02	< 0.005	2,414
Mit.	0.54	0.48	3.21	15.0	0.02	0.11	< 0.005	0.11	0.11	< 0.005	0.11	—	2,405	2,405	0.10	0.02	< 0.005	2,414
% Reduced	60%	57%	69%	-15%	—	74%	—	74%	73%	—	73%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.57	0.75	4.36	5.76	0.01	0.17	0.47	0.64	0.16	0.21	0.37	—	1,046	1,046	0.04	0.01	< 0.005	1,050
Mit.	0.24	0.49	1.45	6.59	0.01	0.05	0.47	0.51	0.05	0.21	0.25	—	1,046	1,046	0.04	0.01	< 0.005	1,050
% Reduced	57%	34%	67%	-14%	—	71%	—	21%	70%	—	33%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10	0.14	0.80	1.05	< 0.005	0.03	0.09	0.12	0.03	0.04	0.07	—	173	173	0.01	< 0.005	< 0.005	174
Mit.	0.04	0.09	0.27	1.20	< 0.005	0.01	0.09	0.09	0.01	0.04	0.05	—	173	173	0.01	< 0.005	< 0.005	174
% Reduced	57%	34%	67%	-14%	—	71%	—	21%	70%	—	33%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	—	—	100	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	13.7	40.0	100	40.0	—	—	15.0	—	—	10.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.94	3.31	31.7	30.2	0.05	1.37	19.7	21.0	1.26	10.1	11.4	—	5,307	5,307	0.22	0.04	0.06	5,325
2026	2.10	5.01	16.2	21.8	0.04	0.64	< 0.005	0.64	0.59	< 0.005	0.59	—	3,758	3,758	0.15	0.03	0.01	3,772
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.35	1.13	10.5	13.1	0.02	0.43	< 0.005	0.43	0.40	< 0.005	0.40	—	2,405	2,405	0.10	0.02	< 0.005	2,414
2026	1.28	1.07	9.90	13.0	0.02	0.38	< 0.005	0.38	0.35	< 0.005	0.35	—	2,405	2,405	0.10	0.02	< 0.005	2,413
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.53	0.44	4.11	4.52	0.01	0.17	0.47	0.64	0.16	0.21	0.37	—	807	807	0.03	0.01	< 0.005	810
2026	0.57	0.75	4.36	5.76	0.01	0.17	< 0.005	0.17	0.15	< 0.005	0.15	—	1,046	1,046	0.04	0.01	< 0.005	1,050
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.10	0.08	0.75	0.82	< 0.005	0.03	0.09	0.12	0.03	0.04	0.07	—	134	134	0.01	< 0.005	< 0.005	134
2026	0.10	0.14	0.80	1.05	< 0.005	0.03	< 0.005	0.03	0.03	< 0.005	0.03	—	173	173	0.01	< 0.005	< 0.005	174

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.85	0.75	5.67	28.4	0.05	0.17	19.7	19.8	0.16	10.1	10.2	—	5,307	5,307	0.22	0.04	0.06	5,325
2026	0.96	5.01	5.63	24.4	0.04	0.21	< 0.005	0.21	0.19	< 0.005	0.19	—	3,758	3,758	0.15	0.03	0.01	3,772

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.54	0.48	3.21	15.0	0.02	0.11	< 0.005	0.11	0.11	< 0.005	0.11	—	2,405	2,405	0.10	0.02	< 0.005	2,414
2026	0.53	0.47	3.17	15.0	0.02	0.11	< 0.005	0.11	0.10	< 0.005	0.10	—	2,405	2,405	0.10	0.02	< 0.005	2,413
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.17	0.15	1.05	4.79	0.01	0.04	0.47	0.51	0.03	0.21	0.25	—	807	807	0.03	0.01	< 0.005	810
2026	0.24	0.49	1.45	6.59	0.01	0.05	< 0.005	0.05	0.05	< 0.005	0.05	—	1,046	1,046	0.04	0.01	< 0.005	1,050
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.03	0.19	0.87	< 0.005	0.01	0.09	0.09	0.01	0.04	0.05	—	134	134	0.01	< 0.005	< 0.005	134
2026	0.04	0.09	0.27	1.20	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	173	173	0.01	< 0.005	< 0.005	174

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.02	0.01	0.22	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	36.4	36.4	0.01	0.01	0.03	38.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.00	2.00	< 0.005	< 0.005	< 0.005	2.11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.33	0.33	< 0.005	< 0.005	< 0.005	0.35

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.74	5.39	18.4	0.03	0.17	—	0.17	0.16	—	0.16	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	1.12	1.12	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.30	1.01	< 0.005	0.01	—	0.01	0.01	—	0.01	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.02	0.01	0.22	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	36.4	36.4	0.01	0.01	0.03	38.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.00	2.00	< 0.005	< 0.005	< 0.005	2.11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.33	0.33	< 0.005	< 0.005	< 0.005	0.35

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.35	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.61	9.61	< 0.005	< 0.005	—	9.64
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	58.0	58.0	< 0.005	< 0.005	—	58.2
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.61	9.61	< 0.005	< 0.005	—	9.64
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	81.1	81.1	< 0.005	< 0.005	—	81.4

Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.5
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.03	0.02	0.41	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	67.6	67.6	0.01	0.01	0.05	71.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.32

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.36	2.21	17.8	0.03	0.08	—	0.08	0.08	—	0.08	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	81.1	81.1	< 0.005	< 0.005	—	81.4
Dust From Material Movement	—	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.4	13.4	< 0.005	< 0.005	—	13.5

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.01	11.8
Hauling	0.03	0.02	0.41	0.28	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	67.6	67.6	0.01	0.01	0.05	71.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.32

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	2.06	2.58	< 0.005	0.09	—	0.09	0.08	—	0.08	—	474	474	0.02	< 0.005	—	476
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.47	< 0.005	0.02	—	0.02	0.01	—	0.01	—	78.5	78.5	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.52	7.52	< 0.005	< 0.005	0.01	7.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.57	7.57	< 0.005	< 0.005	< 0.005	7.94
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.56
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.26
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.48	3.16	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.54	0.48	3.16	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.63	2.96	< 0.005	0.02	—	0.02	0.02	—	0.02	—	474	474	0.02	< 0.005	—	476
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.5	78.5	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.52	7.52	< 0.005	< 0.005	0.01	7.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.57	7.57	< 0.005	< 0.005	< 0.005	7.94
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.56

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.26
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.95	5.20	0.01	0.15	—	0.15	0.14	—	0.14	—	962	962	0.04	0.01	—	965
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.08	0.72	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	159	159	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.39	7.39	< 0.005	< 0.005	0.01	7.77
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.45	7.45	< 0.005	< 0.005	< 0.005	7.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.98	2.98	< 0.005	< 0.005	< 0.005	3.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.52
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	6.00	0.01	0.04	—	0.04	0.04	—	0.04	—	962	962	0.04	0.01	—	965
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.23	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	159	159	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.39	7.39	< 0.005	< 0.005	0.01	7.77
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.45	7.45	< 0.005	< 0.005	< 0.005	7.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.98	2.98	< 0.005	< 0.005	< 0.005	3.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.52
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	6.23	8.81	0.01	0.26	—	0.26	0.24	—	0.24	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.0	74.0	< 0.005	< 0.005	—	74.2
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.38	2.45	9.35	0.01	0.10	—	0.10	0.09	—	0.09	—	1,350	1,350	0.05	0.01	—	1,355
Paving	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	74.0	74.0	< 0.005	< 0.005	—	74.2
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	4.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	4.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetatio n	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	8/4/2025	9/1/2025	5.00	20.0	—
Site Preparation	Site Preparation	9/2/2025	9/5/2025	5.00	4.00	—

Grading	Grading	9/8/2025	9/19/2025	5.00	10.0	—
Building Construction	Building Construction	9/22/2025	7/24/2026	5.00	220	—
Paving	Paving	7/13/2026	8/7/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	8/10/2026	9/4/2026	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37

Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	12.0	LDA,LDT1,LDT2
Demolition	Vendor	6.00	0.25	HHDT,MHDT
Demolition	Hauling	14.0	0.25	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	6.00	0.25	HHDT,MHDT
Grading	Hauling	26.0	0.25	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2

Building Construction	Vendor	4.00	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	12.0	LDA,LDT1,LDT2
Demolition	Vendor	6.00	0.25	HHDT,MHDT
Demolition	Hauling	14.0	0.25	HHDT
Demolition	Onsite truck	0.00	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—

Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	6.00	0.25	HHDT,MHDT
Grading	Hauling	26.0	0.25	HHDT
Grading	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	4.00	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

Architectural Coating	0.00	0.00	22,757	7,586	5,918

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	1,030	—
Site Preparation	0.00	0.00	6.00	0.00	—
Grading	2,000	0.00	10.0	0.00	—
Paving	0.00	0.00	0.00	0.00	2.26

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Government (Civic Center)	0.00	0%
Parking Lot	1.55	100%
Other Non-Asphalt Surfaces	0.71	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	589	0.03	< 0.005
2026	0.00	589	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.4	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	7.98	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	64.7
AQ-PM	45.1
AQ-DPM	25.7
Drinking Water	10.9
Lead Risk Housing	17.5
Pesticides	0.00
Toxic Releases	25.6
Traffic	48.6
Effect Indicators	—
CleanUp Sites	37.8
Groundwater	40.8
Haz Waste Facilities/Generators	84.7
Impaired Water Bodies	77.3
Solid Waste	9.67
Sensitive Population	—
Asthma	35.6
Cardio-vascular	30.2
Low Birth Weights	18.6
Socioeconomic Factor Indicators	—
Education	43.4
Housing	19.8
Linguistic	10.4
Poverty	16.6
Unemployment	28.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	66.11061209
Employed	1.296034903
Median HI	58.75785962
Education	—
Bachelor's or higher	47.36301809
High school enrollment	17.87501604
Preschool enrollment	14.26921596
Transportation	—
Auto Access	76.73553189
Active commuting	33.56858719
Social	—
2-parent households	27.65302194
Voting	75.72180162
Neighborhood	—
Alcohol availability	42.80764789
Park access	24.26536635
Retail density	59.4636212
Supermarket access	60.82381625
Tree canopy	8.135506224
Housing	—
Homeownership	43.19260875
Housing habitability	69.11330681
Low-inc homeowner severe housing cost burden	75.55498524
Low-inc renter severe housing cost burden	83.49801104
Uncrowded housing	47.26036186

Health Outcomes	—
Insured adults	74.51559091
Arthritis	0.0
Asthma ER Admissions	59.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	1.7
Cognitively Disabled	36.6
Physically Disabled	78.7
Heart Attack ER Admissions	49.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	48.8
Elderly	83.1
English Speaking	76.6
Foreign-born	6.0
Outdoor Workers	58.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	55.9
Traffic Density	49.3
Traffic Access	51.5
Other Indices	—
Hardship	31.7
Other Decision Support	—
2016 Voting	76.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	34.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Based on applicant provided schedule ~ 14 mos of construction. Note: duration of construction is greater than CalEEMod default values, therefore, it represents a conservative estimate.
Land Use	Adjusted acreage so total site acreage disturbed = 3.2
Construction: Trips and VMT	Zeroed out worker trips for construction HRA emissions as they are not diesel-fueled. Truck trip length reduced to 0.25 miles to represent on-site emissions.

Appendix A-3

Construction Health Risk Assessment Output Files

Santee Community Center
Construction HRA

Project Construction Emissions

Year	Unmitigated	Mitigated
	DPM tons/year	DPM tons/year
2025	0.0311	0.0064
2026	0.0306	0.0090
Total	0.062	0.015
Total Lbs	123.320	30.804
Lbs/year	109.058	27.242
Lbs/hour	0.05	0.01

MEIR Risk	Unmitigated	Mitigated
Cancer (persons in a million)	38.63	8.20
Chronic	0.0388	0.0097

Conversions:

1 ton =	2,000	lb
Construction =	8	hours/day
	2080	hours/year
	260	days/year
	12	months

AERMOD Assumptions

Source Name	Description	No. of Vol. Sources	Emission Rate g/s	Release Height m	Plume Height m	Plume Width m
SLINE1	Off-Road Equipment and Trucks	223	1.00	5.00	10.00	10.00

Receptors

Grid Sizes	Spacing
Uniform Cartesian	< 50 meters
Discrete	Nearest Sensitive Receptors

Meteorological Data

Station Name	Years	Lat	Long	Elev (m)
LES	2019-2021	32.789562°	-116.944318°	143

<https://www.sdapcd.org/content/dam/sdapcd/documents/monitoring/2022-Network-Report.pdf>

Other Model Assumption

Rural or Urban	Urban
Urban Grp Pop	3,276,208
Terrain Data	NED 1
Lakes Version	12.0.0
AERMOD Version	22112

US Census 2022

<https://www.census.gov/quickfacts/fact/table/sandiegocountycalifornia/PST045222>

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 223 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3276208.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 223 Source(s); 1 Source Group(s); and 991
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 223 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

[illegible]

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

```

10.80,
1.54, 3.09, 5.14, 8.23,
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```

Surface file:    LES_2019-2021_v22112.SFC
                Met Version:  22112
Profile file:    LES_2019-2021_v22112.PFL

Surface format:  FREE

Profile format:  FREE

Surface station no.:  53143                Upper air station no.:  3190
                Name:  LES                      Name:  UNKNOWN

                Year:  2019                      Year:  2019

```

First 24 hours of scalar data														
YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN

ALBEDO	REF	WS	WD	HT	REF	TA	HT					
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
19 01 01	1	01	-1.2	0.036	-9.000	-9.000	-999.	17.	3.4	0.03	1.10	
1.00	1.07	109.	10.0	279.8	10.0							
19 01 01	1	02	-0.4	0.018	-9.000	-9.000	-999.	6.	1.5	0.03	1.10	
1.00	0.54	221.	10.0	278.4	10.0							
19 01 01	1	03	-0.4	0.020	-9.000	-9.000	-999.	7.	1.7	0.03	1.10	
1.00	0.58	120.	10.0	277.3	10.0							
19 01 01	1	04	-0.9	0.029	-9.000	-9.000	-999.	12.	2.3	0.03	1.10	
1.00	0.85	74.	10.0	276.5	10.0							
19 01 01	1	05	-0.6	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10	
1.00	0.72	108.	10.0	276.0	10.0							
19 01 01	1	06	-1.1	0.032	-9.000	-9.000	-999.	14.	2.6	0.03	1.10	
1.00	0.94	44.	10.0	275.4	10.0							
19 01 01	1	07	-0.7	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10	
1.00	0.72	288.	10.0	275.5	10.0							
19 01 01	1	08	-0.5	0.024	-9.000	-9.000	-999.	9.	2.5	0.03	1.10	
0.49	0.72	231.	10.0	276.0	10.0							
19 01 01	1	09	33.8	-9.000	-9.000	-9.000	154.	-999.	-99999.0	0.03	1.10	
0.30	0.00	0.	10.0	279.9	10.0							
19 01 01	1	10	85.0	0.120	0.857	0.005	265.	100.	-1.8	0.03	1.10	
0.23	1.16	332.	10.0	283.3	10.0							
19 01 01	1	11	119.9	0.189	1.381	0.005	785.	197.	-5.0	0.03	1.10	
0.21	2.10	320.	10.0	285.3	10.0							
19 01 01	1	12	136.4	0.238	1.521	0.005	922.	278.	-8.8	0.03	1.10	
0.20	2.82	18.	10.0	286.5	10.0							
19 01 01	1	13	133.6	0.307	1.572	0.005	1039.	409.	-19.4	0.03	1.10	
0.20	3.93	12.	10.0	286.8	10.0							
19 01 01	1	14	112.1	0.313	1.524	0.005	1127.	419.	-24.3	0.03	1.10	
0.21	4.07	26.	10.0	286.8	10.0							
19 01 01	1	15	72.7	0.324	1.339	0.005	1180.	443.	-41.9	0.03	1.10	
0.24	4.38	62.	10.0	286.8	10.0							
19 01 01	1	16	18.5	0.316	0.851	0.005	1191.	426.	-152.4	0.03	1.10	
0.33	4.51	44.	10.0	285.8	10.0							
19 01 01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	1.10	
0.61	4.02	71.	10.0	284.5	10.0							
19 01 01	1	18	-21.6	0.194	-9.000	-9.000	-999.	205.	30.1	0.03	1.10	
1.00	3.67	76.	10.0	283.2	10.0							
19 01 01	1	19	-8.3	0.088	-9.000	-9.000	-999.	69.	7.2	0.03	1.10	
1.00	2.59	53.	10.0	282.6	10.0							
19 01 01	1	20	-4.6	0.065	-9.000	-9.000	-999.	40.	5.3	0.03	1.10	
1.00	1.92	93.	10.0	280.8	10.0							
19 01 01	1	21	-2.7	0.050	-9.000	-9.000	-999.	27.	4.1	0.03	1.10	
1.00	1.48	85.	10.0	278.6	10.0							
19 01 01	1	22	-1.2	0.033	-9.000	-9.000	-999.	14.	2.7	0.03	1.10	
1.00	0.98	82.	10.0	277.5	10.0							
19 01 01	1	23	-4.0	0.061	-9.000	-9.000	-999.	36.	4.9	0.03	1.10	
1.00	1.79	85.	10.0	276.5	10.0							
19 01 01	1	24	-5.3	0.070	-9.000	-9.000	-999.	44.	5.7	0.03	1.10	

1.00 2.06 100. 10.0 276.4 10.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
19	01	01	01	10.0	1	109.	1.07	279.9	38.0	-99.00	0.58

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL	1ST HIGHEST VALUE IS	123.63995 AT (	502134.10,	3634860.84,	109.52,
109.52,	0.00) DC				
	2ND HIGHEST VALUE IS	120.43456 AT (	502155.96,	3634861.95,	109.66,
109.66,	0.00) DC				
	3RD HIGHEST VALUE IS	120.00321 AT (	502118.16,	3634861.58,	109.42,
109.42,	0.00) DC				
	4TH HIGHEST VALUE IS	119.00154 AT (	502173.74,	3634860.84,	109.79,
109.79,	0.00) DC				
	5TH HIGHEST VALUE IS	114.08114 AT (	502091.20,	3634721.35,	108.22,
108.22,	0.00) DC				
	6TH HIGHEST VALUE IS	113.21348 AT (	502186.34,	3634861.21,	109.88,
109.88,	0.00) DC				
	7TH HIGHEST VALUE IS	108.72371 AT (	502085.18,	3634862.32,	109.24,
109.24,	0.00) DC				
	8TH HIGHEST VALUE IS	101.79984 AT (	502204.13,	3634861.95,	109.93,
109.93,	0.00) DC				
	9TH HIGHEST VALUE IS	100.26111 AT (	502070.73,	3634863.06,	109.70,
109.70,	0.00) DC				
	10TH HIGHEST VALUE IS	93.37478 AT (	502211.77,	3634864.08,	109.91,
109.91,	0.00) DC				

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE GRID-ID	(YYMMDDHH)	
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL HIGH 1ST HIGH VALUE IS 520.47821 ON 19120316: AT (502134.10,
3634860.84, 109.52, 109.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)

A Total of 5244 Informational Message(s)
A Total of 26304 Hours Were Processed
A Total of 4177 Calm Hours Identified
A Total of 1067 Missing Hours Identified (4.06 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
MX W403 570 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2024
** File: C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Con\Santee_CommCtr_Con.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  URBANOPT 3276208 San_Diego_County_Census
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL Santee_CommCtr_Con.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offroad Equipment and Trucks
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 47
** 502132.759, 3634710.415, 107.13, 5.00, 4.65
** 502200.459, 3634717.082, 105.32, 5.00, 4.65
** 502211.229, 3634735.546, 105.95, 5.00, 4.65

```

```

** 502211.742, 3634828.890, 107.70, 5.00, 4.65
** 502021.465, 3634825.812, 109.12, 5.00, 4.65
** 502031.722, 3634770.934, 108.13, 5.00, 4.65
** 502032.235, 3634770.422, 108.12, 5.00, 4.65
** 502123.527, 3634768.370, 107.85, 5.00, 4.65
** 502126.605, 3634719.134, 107.35, 5.00, 4.65
** 502195.843, 3634722.724, 105.85, 5.00, 4.65
** 502204.562, 3634743.239, 106.05, 5.00, 4.65
** 502204.562, 3634822.222, 107.77, 5.00, 4.65
** 502032.748, 3634820.684, 108.92, 5.00, 4.65
** 502038.903, 3634781.192, 108.11, 5.00, 4.65
** 502038.390, 3634777.602, 108.10, 5.00, 4.65
** 502133.785, 3634775.550, 107.34, 5.00, 4.65
** 502134.298, 3634729.391, 107.07, 5.00, 4.65
** 502189.176, 3634731.443, 106.25, 5.00, 4.65
** 502196.869, 3634747.855, 106.24, 5.00, 4.65
** 502195.330, 3634812.478, 107.28, 5.00, 4.65
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LOCATION L0000001      VOLUME  502137.735 3634710.905 107.01
LOCATION L0000002      VOLUME  502147.687 3634711.885 106.55
LOCATION L0000003      VOLUME  502157.639 3634712.865 106.41
LOCATION L0000004      VOLUME  502167.591 3634713.845 106.27
LOCATION L0000005      VOLUME  502177.542 3634714.825 106.09

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LOCATION	L0000006	VOLUME	502187.494	3634715.806	105.91
LOCATION	L0000007	VOLUME	502197.446	3634716.786	105.72
LOCATION	L0000008	VOLUME	502203.972	3634723.105	105.75
LOCATION	L0000009	VOLUME	502209.011	3634731.743	106.03
LOCATION	L0000010	VOLUME	502211.260	3634741.143	106.30
LOCATION	L0000011	VOLUME	502211.315	3634751.143	106.49
LOCATION	L0000012	VOLUME	502211.370	3634761.143	106.68
LOCATION	L0000013	VOLUME	502211.425	3634771.143	106.79
LOCATION	L0000014	VOLUME	502211.480	3634781.143	106.82
LOCATION	L0000015	VOLUME	502211.535	3634791.142	106.85
LOCATION	L0000016	VOLUME	502211.590	3634801.142	106.96
LOCATION	L0000017	VOLUME	502211.645	3634811.142	107.20
LOCATION	L0000018	VOLUME	502211.700	3634821.142	107.43
LOCATION	L0000019	VOLUME	502209.490	3634828.853	107.63
LOCATION	L0000020	VOLUME	502199.491	3634828.691	107.45
LOCATION	L0000021	VOLUME	502189.493	3634828.530	107.45
LOCATION	L0000022	VOLUME	502179.494	3634828.368	107.55
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LOCATION	L0000027	VOLUME	502129.501	3634827.560	108.29
LOCATION	L0000028	VOLUME	502119.502	3634827.398	108.56
LOCATION	L0000029	VOLUME	502109.503	3634827.236	108.61
LOCATION	L0000030	VOLUME	502099.504	3634827.074	108.64
LOCATION	L0000031	VOLUME	502089.506	3634826.913	108.71
LOCATION	L0000032	VOLUME	502079.507	3634826.751	108.91
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LOCATION	L0000034	VOLUME	502059.510	3634826.428	109.11
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LOCATION	L0000038	VOLUME	502021.823	3634823.895	108.94
LOCATION	L0000039	VOLUME	502023.660	3634814.066	108.69
LOCATION	L0000040	VOLUME	502025.498	3634804.236	108.43
LOCATION	L0000041	VOLUME	502027.335	3634794.406	108.22
LOCATION	L0000042	VOLUME	502029.172	3634784.576	108.19
LOCATION	L0000043	VOLUME	502031.010	3634774.747	108.16
LOCATION	L0000044	VOLUME	502037.630	3634770.300	108.10
LOCATION	L0000045	VOLUME	502047.628	3634770.076	108.09
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LOCATION	L0000049	VOLUME	502087.618	3634769.177	108.00
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LOCATION	L0000052	VOLUME	502117.610	3634768.503	107.89
LOCATION	L0000053	VOLUME	502123.782	3634764.297	107.74
LOCATION	L0000054	VOLUME	502124.406	3634754.316	107.75
LOCATION	L0000055	VOLUME	502125.029	3634744.336	107.75

LOCATION	L0000056	VOLUME	502125.653	3634734.355	107.73
LOCATION	L0000057	VOLUME	502126.277	3634724.375	107.71
LOCATION	L0000058	VOLUME	502131.347	3634719.380	107.42
LOCATION	L0000059	VOLUME	502141.334	3634719.898	106.83
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LOCATION	L0000087	VOLUME	502080.423	3634821.110	108.73
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LOCATION	L0000089	VOLUME	502060.424	3634820.931	108.91
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LOCATION	L0000091	VOLUME	502040.425	3634820.752	108.79
LOCATION	L0000092	VOLUME	502033.106	3634818.388	108.76
LOCATION	L0000093	VOLUME	502034.646	3634808.508	108.48
LOCATION	L0000094	VOLUME	502036.185	3634798.627	108.20
LOCATION	L0000095	VOLUME	502037.725	3634788.746	108.13
LOCATION	L0000096	VOLUME	502038.570	3634778.861	108.11
LOCATION	L0000097	VOLUME	502047.116	3634777.414	108.09
LOCATION	L0000098	VOLUME	502057.114	3634777.199	108.08
LOCATION	L0000099	VOLUME	502067.111	3634776.984	108.08
LOCATION	L0000100	VOLUME	502077.109	3634776.769	108.05
LOCATION	L0000101	VOLUME	502087.107	3634776.554	108.01
LOCATION	L0000102	VOLUME	502097.104	3634776.339	107.97
LOCATION	L0000103	VOLUME	502107.102	3634776.124	107.92
LOCATION	L0000104	VOLUME	502117.100	3634775.909	107.87
LOCATION	L0000105	VOLUME	502127.097	3634775.694	107.67

LOCATION	L0000106	VOLUME	502133.822	3634772.240	107.49
LOCATION	L0000107	VOLUME	502133.933	3634762.240	107.43
LOCATION	L0000108	VOLUME	502134.044	3634752.241	107.38
LOCATION	L0000109	VOLUME	502134.155	3634742.241	107.32
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LOCATION	L0000131	VOLUME	502125.863	3634812.478	108.07
LOCATION	L0000132	VOLUME	502115.863	3634812.478	108.23
LOCATION	L0000133	VOLUME	502105.863	3634812.478	108.29
LOCATION	L0000134	VOLUME	502095.863	3634812.478	108.34
LOCATION	L0000135	VOLUME	502085.863	3634812.478	108.42
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LOCATION	L0000145	VOLUME	502082.554	3634787.188	108.03
LOCATION	L0000146	VOLUME	502092.548	3634786.849	108.03
LOCATION	L0000147	VOLUME	502102.542	3634786.511	107.95
LOCATION	L0000148	VOLUME	502112.537	3634786.172	107.88
LOCATION	L0000149	VOLUME	502122.531	3634785.833	107.77
LOCATION	L0000150	VOLUME	502132.525	3634785.494	107.60
LOCATION	L0000151	VOLUME	502141.985	3634784.764	107.43
LOCATION	L0000152	VOLUME	502141.865	3634774.765	107.32
LOCATION	L0000153	VOLUME	502141.746	3634764.766	107.21
LOCATION	L0000154	VOLUME	502141.627	3634754.766	107.11
LOCATION	L0000155	VOLUME	502141.508	3634744.767	107.00

LOCATION	L0000156	VOLUME	502144.782	3634738.763	106.78
LOCATION	L0000157	VOLUME	502154.775	3634739.128	106.70
LOCATION	L0000158	VOLUME	502164.769	3634739.494	106.61
LOCATION	L0000159	VOLUME	502174.762	3634739.860	106.52
LOCATION	L0000160	VOLUME	502183.914	3634741.650	106.47
LOCATION	L0000161	VOLUME	502189.059	3634750.225	106.53
LOCATION	L0000162	VOLUME	502188.814	3634760.186	106.67
LOCATION	L0000163	VOLUME	502188.444	3634770.179	106.79
LOCATION	L0000164	VOLUME	502188.074	3634780.172	106.90
LOCATION	L0000165	VOLUME	502187.703	3634790.165	107.02
LOCATION	L0000166	VOLUME	502187.333	3634800.159	107.13
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LOCATION	L0000169	VOLUME	502162.780	3634805.716	107.44
LOCATION	L0000170	VOLUME	502152.780	3634805.677	107.55
LOCATION	L0000171	VOLUME	502142.780	3634805.638	107.66
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LOCATION	L0000176	VOLUME	502092.780	3634805.444	108.22
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LOCATION	L0000184	VOLUME	502087.506	3634795.187	108.04
LOCATION	L0000185	VOLUME	502097.505	3634795.073	108.00
LOCATION	L0000186	VOLUME	502107.505	3634794.960	107.92
LOCATION	L0000187	VOLUME	502117.504	3634794.846	107.83
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LOCATION	L0000189	VOLUME	502137.503	3634794.619	107.59
LOCATION	L0000190	VOLUME	502147.502	3634794.527	107.48
LOCATION	L0000191	VOLUME	502148.817	3634786.203	107.36
LOCATION	L0000192	VOLUME	502148.392	3634776.212	107.24
LOCATION	L0000193	VOLUME	502147.967	3634766.221	107.12
LOCATION	L0000194	VOLUME	502147.541	3634756.230	106.99
LOCATION	L0000195	VOLUME	502147.197	3634746.321	106.86
LOCATION	L0000196	VOLUME	502157.179	3634746.917	106.78
LOCATION	L0000197	VOLUME	502167.161	3634747.513	106.69
LOCATION	L0000198	VOLUME	502177.143	3634748.109	106.61
LOCATION	L0000199	VOLUME	502182.412	3634753.944	106.64
LOCATION	L0000200	VOLUME	502184.041	3634763.809	106.75
LOCATION	L0000201	VOLUME	502183.074	3634773.762	106.88
LOCATION	L0000202	VOLUME	502182.106	3634783.715	107.00
LOCATION	L0000203	VOLUME	502181.138	3634793.668	107.12
LOCATION	L0000204	VOLUME	502177.503	3634800.681	107.23
LOCATION	L0000205	VOLUME	502167.503	3634800.681	107.33

LOCATION	L0000206	VOLUME	502157.503	3634800.681	107.44
LOCATION	L0000207	VOLUME	502154.729	3634793.372	107.38
LOCATION	L0000208	VOLUME	502154.614	3634783.373	107.26
LOCATION	L0000209	VOLUME	502154.499	3634773.374	107.14
LOCATION	L0000210	VOLUME	502154.384	3634763.374	107.02
LOCATION	L0000211	VOLUME	502156.985	3634756.134	106.90
LOCATION	L0000212	VOLUME	502166.981	3634756.404	106.81
LOCATION	L0000213	VOLUME	502174.399	3634760.102	106.79
LOCATION	L0000214	VOLUME	502176.731	3634769.714	106.89
LOCATION	L0000215	VOLUME	502176.006	3634779.688	107.01
LOCATION	L0000216	VOLUME	502175.281	3634789.662	107.13
LOCATION	L0000217	VOLUME	502171.256	3634795.684	107.24
LOCATION	L0000218	VOLUME	502161.313	3634794.619	107.33
LOCATION	L0000219	VOLUME	502160.615	3634785.392	107.23
LOCATION	L0000220	VOLUME	502160.790	3634775.393	107.11
LOCATION	L0000221	VOLUME	502160.966	3634765.395	106.98
LOCATION	L0000222	VOLUME	502166.703	3634769.012	106.97
LOCATION	L0000223	VOLUME	502166.925	3634779.010	107.09

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

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SRCPARAM	L0000003	0.0044843049	5.00	4.65	4.65
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SRCPARAM	L0000029	0.0044843049	5.00	4.65	4.65

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[illegible]

[illegible]

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SRCPARAM	L0000191	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000192	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000193	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000194	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000195	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000196	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000197	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000198	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000199	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000200	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000201	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000202	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000203	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000204	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000205	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000206	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000207	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000208	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000209	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000210	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000211	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000212	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000213	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000214	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000215	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000216	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000217	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000218	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000219	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000220	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000221	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000222	0.0044843049	5.00	4.65	4.65
SRCPARAM	L0000223	0.0044843049	5.00	4.65	4.65

**

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED Santee_CommCtr_Con.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE LES_2019-2021_v22112.SFC

PROFFILE LES_2019-2021_v22112.PFL

SURFDATA 53143 2019 LES

UAIRDATA 3190 2019

SITEDATA 1022 2019

PROFBASE 143.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST Santee_CommCtr_Con.AD\01H1GALL.PLT 31

PLOTFILE PERIOD ALL Santee_CommCtr_Con.AD\PE00GALL.PLT 32

SUMMFILE Santee_CommCtr_Con.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

MX W403 570 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 223 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3276208.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 223 Source(s); 1 Source Group(s); and 991
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 223 VOLUME source(s)

and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 22112

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 143.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Santee_CommCtr_Con.err

**File for Summary of Results: Santee_CommCtr_Con.sum

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000001	0	0.44843E-02	502137.7	3634710.9	107.0	5.00	4.65
4.65 YES		NO					
L0000002	0	0.44843E-02	502147.7	3634711.9	106.5	5.00	4.65
4.65 YES		NO					
L0000003	0	0.44843E-02	502157.6	3634712.9	106.4	5.00	4.65
4.65 YES		NO					
L0000004	0	0.44843E-02	502167.6	3634713.8	106.3	5.00	4.65
4.65 YES		NO					
L0000005	0	0.44843E-02	502177.5	3634714.8	106.1	5.00	4.65
4.65 YES		NO					
L0000006	0	0.44843E-02	502187.5	3634715.8	105.9	5.00	4.65
4.65 YES		NO					
L0000007	0	0.44843E-02	502197.4	3634716.8	105.7	5.00	4.65
4.65 YES		NO					
L0000008	0	0.44843E-02	502204.0	3634723.1	105.8	5.00	4.65
4.65 YES		NO					
L0000009	0	0.44843E-02	502209.0	3634731.7	106.0	5.00	4.65
4.65 YES		NO					
L0000010	0	0.44843E-02	502211.3	3634741.1	106.3	5.00	4.65
4.65 YES		NO					
L0000011	0	0.44843E-02	502211.3	3634751.1	106.5	5.00	4.65
4.65 YES		NO					
L0000012	0	0.44843E-02	502211.4	3634761.1	106.7	5.00	4.65
4.65 YES		NO					
L0000013	0	0.44843E-02	502211.4	3634771.1	106.8	5.00	4.65
4.65 YES		NO					
L0000014	0	0.44843E-02	502211.5	3634781.1	106.8	5.00	4.65
4.65 YES		NO					
L0000015	0	0.44843E-02	502211.5	3634791.1	106.8	5.00	4.65
4.65 YES		NO					
L0000016	0	0.44843E-02	502211.6	3634801.1	107.0	5.00	4.65
4.65 YES		NO					
L0000017	0	0.44843E-02	502211.6	3634811.1	107.2	5.00	4.65
4.65 YES		NO					
L0000018	0	0.44843E-02	502211.7	3634821.1	107.4	5.00	4.65
4.65 YES		NO					
L0000019	0	0.44843E-02	502209.5	3634828.9	107.6	5.00	4.65

4.65	YES		NO					
L0000020		0	0.44843E-02	502199.5	3634828.7	107.5	5.00	4.65
4.65	YES		NO					
L0000021		0	0.44843E-02	502189.5	3634828.5	107.5	5.00	4.65
4.65	YES		NO					
L0000022		0	0.44843E-02	502179.5	3634828.4	107.5	5.00	4.65
4.65	YES		NO					
L0000023		0	0.44843E-02	502169.5	3634828.2	107.6	5.00	4.65
4.65	YES		NO					
L0000024		0	0.44843E-02	502159.5	3634828.0	107.7	5.00	4.65
4.65	YES		NO					
L0000025		0	0.44843E-02	502149.5	3634827.9	107.8	5.00	4.65
4.65	YES		NO					
L0000026		0	0.44843E-02	502139.5	3634827.7	108.0	5.00	4.65
4.65	YES		NO					
L0000027		0	0.44843E-02	502129.5	3634827.6	108.3	5.00	4.65
4.65	YES		NO					
L0000028		0	0.44843E-02	502119.5	3634827.4	108.6	5.00	4.65
4.65	YES		NO					
L0000029		0	0.44843E-02	502109.5	3634827.2	108.6	5.00	4.65
4.65	YES		NO					
L0000030		0	0.44843E-02	502099.5	3634827.1	108.6	5.00	4.65
4.65	YES		NO					
L0000031		0	0.44843E-02	502089.5	3634826.9	108.7	5.00	4.65
4.65	YES		NO					
L0000032		0	0.44843E-02	502079.5	3634826.8	108.9	5.00	4.65
4.65	YES		NO					
L0000033		0	0.44843E-02	502069.5	3634826.6	109.1	5.00	4.65
4.65	YES		NO					
L0000034		0	0.44843E-02	502059.5	3634826.4	109.1	5.00	4.65
4.65	YES		NO					
L0000035		0	0.44843E-02	502049.5	3634826.3	109.0	5.00	4.65
4.65	YES		NO					
L0000036		0	0.44843E-02	502039.5	3634826.1	109.0	5.00	4.65
4.65	YES		NO					
L0000037		0	0.44843E-02	502029.5	3634825.9	109.0	5.00	4.65
4.65	YES		NO					
L0000038		0	0.44843E-02	502021.8	3634823.9	108.9	5.00	4.65
4.65	YES		NO					
L0000039		0	0.44843E-02	502023.7	3634814.1	108.7	5.00	4.65
4.65	YES		NO					
L0000040		0	0.44843E-02	502025.5	3634804.2	108.4	5.00	4.65
4.65	YES		NO					

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000041	0	0.44843E-02	502027.3	3634794.4	108.2	5.00	4.65
4.65 YES		NO					
L0000042	0	0.44843E-02	502029.2	3634784.6	108.2	5.00	4.65
4.65 YES		NO					
L0000043	0	0.44843E-02	502031.0	3634774.7	108.2	5.00	4.65
4.65 YES		NO					
L0000044	0	0.44843E-02	502037.6	3634770.3	108.1	5.00	4.65
4.65 YES		NO					
L0000045	0	0.44843E-02	502047.6	3634770.1	108.1	5.00	4.65
4.65 YES		NO					
L0000046	0	0.44843E-02	502057.6	3634769.9	108.1	5.00	4.65
4.65 YES		NO					
L0000047	0	0.44843E-02	502067.6	3634769.6	108.1	5.00	4.65
4.65 YES		NO					
L0000048	0	0.44843E-02	502077.6	3634769.4	108.1	5.00	4.65
4.65 YES		NO					
L0000049	0	0.44843E-02	502087.6	3634769.2	108.0	5.00	4.65
4.65 YES		NO					
L0000050	0	0.44843E-02	502097.6	3634769.0	108.0	5.00	4.65
4.65 YES		NO					
L0000051	0	0.44843E-02	502107.6	3634768.7	107.9	5.00	4.65
4.65 YES		NO					
L0000052	0	0.44843E-02	502117.6	3634768.5	107.9	5.00	4.65
4.65 YES		NO					
L0000053	0	0.44843E-02	502123.8	3634764.3	107.7	5.00	4.65
4.65 YES		NO					
L0000054	0	0.44843E-02	502124.4	3634754.3	107.8	5.00	4.65
4.65 YES		NO					
L0000055	0	0.44843E-02	502125.0	3634744.3	107.8	5.00	4.65
4.65 YES		NO					
L0000056	0	0.44843E-02	502125.7	3634734.4	107.7	5.00	4.65
4.65 YES		NO					
L0000057	0	0.44843E-02	502126.3	3634724.4	107.7	5.00	4.65
4.65 YES		NO					
L0000058	0	0.44843E-02	502131.3	3634719.4	107.4	5.00	4.65
4.65 YES		NO					
L0000059	0	0.44843E-02	502141.3	3634719.9	106.8	5.00	4.65

4.65	YES		NO					
L0000060		0	0.44843E-02	502151.3	3634720.4	106.6	5.00	4.65
4.65	YES		NO					
L0000061		0	0.44843E-02	502161.3	3634720.9	106.4	5.00	4.65
4.65	YES		NO					
L0000062		0	0.44843E-02	502171.3	3634721.5	106.3	5.00	4.65
4.65	YES		NO					
L0000063		0	0.44843E-02	502181.3	3634722.0	106.1	5.00	4.65
4.65	YES		NO					
L0000064		0	0.44843E-02	502191.3	3634722.5	106.0	5.00	4.65
4.65	YES		NO					
L0000065		0	0.44843E-02	502198.0	3634727.7	106.0	5.00	4.65
4.65	YES		NO					
L0000066		0	0.44843E-02	502201.9	3634736.9	106.3	5.00	4.65
4.65	YES		NO					
L0000067		0	0.44843E-02	502204.6	3634746.4	106.4	5.00	4.65
4.65	YES		NO					
L0000068		0	0.44843E-02	502204.6	3634756.4	106.6	5.00	4.65
4.65	YES		NO					
L0000069		0	0.44843E-02	502204.6	3634766.4	106.7	5.00	4.65
4.65	YES		NO					
L0000070		0	0.44843E-02	502204.6	3634776.4	106.8	5.00	4.65
4.65	YES		NO					
L0000071		0	0.44843E-02	502204.6	3634786.4	106.9	5.00	4.65
4.65	YES		NO					
L0000072		0	0.44843E-02	502204.6	3634796.4	106.9	5.00	4.65
4.65	YES		NO					
L0000073		0	0.44843E-02	502204.6	3634806.4	107.1	5.00	4.65
4.65	YES		NO					
L0000074		0	0.44843E-02	502204.6	3634816.4	107.3	5.00	4.65
4.65	YES		NO					
L0000075		0	0.44843E-02	502200.4	3634822.2	107.3	5.00	4.65
4.65	YES		NO					
L0000076		0	0.44843E-02	502190.4	3634822.1	107.3	5.00	4.65
4.65	YES		NO					
L0000077		0	0.44843E-02	502180.4	3634822.0	107.4	5.00	4.65
4.65	YES		NO					
L0000078		0	0.44843E-02	502170.4	3634821.9	107.5	5.00	4.65
4.65	YES		NO					
L0000079		0	0.44843E-02	502160.4	3634821.8	107.6	5.00	4.65
4.65	YES		NO					
L0000080		0	0.44843E-02	502150.4	3634821.7	107.8	5.00	4.65
4.65	YES		NO					

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000081	0	0.44843E-02	502140.4	3634821.6	107.9	5.00	4.65
4.65	YES	NO					
L0000082	0	0.44843E-02	502130.4	3634821.6	108.1	5.00	4.65
4.65	YES	NO					
L0000083	0	0.44843E-02	502120.4	3634821.5	108.4	5.00	4.65
4.65	YES	NO					
L0000084	0	0.44843E-02	502110.4	3634821.4	108.5	5.00	4.65
4.65	YES	NO					
L0000085	0	0.44843E-02	502100.4	3634821.3	108.5	5.00	4.65
4.65	YES	NO					
L0000086	0	0.44843E-02	502090.4	3634821.2	108.6	5.00	4.65
4.65	YES	NO					
L0000087	0	0.44843E-02	502080.4	3634821.1	108.7	5.00	4.65
4.65	YES	NO					
L0000088	0	0.44843E-02	502070.4	3634821.0	108.9	5.00	4.65
4.65	YES	NO					
L0000089	0	0.44843E-02	502060.4	3634820.9	108.9	5.00	4.65
4.65	YES	NO					
L0000090	0	0.44843E-02	502050.4	3634820.8	108.8	5.00	4.65
4.65	YES	NO					
L0000091	0	0.44843E-02	502040.4	3634820.8	108.8	5.00	4.65
4.65	YES	NO					
L0000092	0	0.44843E-02	502033.1	3634818.4	108.8	5.00	4.65
4.65	YES	NO					
L0000093	0	0.44843E-02	502034.6	3634808.5	108.5	5.00	4.65
4.65	YES	NO					
L0000094	0	0.44843E-02	502036.2	3634798.6	108.2	5.00	4.65
4.65	YES	NO					
L0000095	0	0.44843E-02	502037.7	3634788.7	108.1	5.00	4.65
4.65	YES	NO					
L0000096	0	0.44843E-02	502038.6	3634778.9	108.1	5.00	4.65
4.65	YES	NO					
L0000097	0	0.44843E-02	502047.1	3634777.4	108.1	5.00	4.65
4.65	YES	NO					
L0000098	0	0.44843E-02	502057.1	3634777.2	108.1	5.00	4.65
4.65	YES	NO					
L0000099	0	0.44843E-02	502067.1	3634777.0	108.1	5.00	4.65

4.65	YES		NO					
L0000100		0	0.44843E-02	502077.1	3634776.8	108.0	5.00	4.65
4.65	YES		NO					
L0000101		0	0.44843E-02	502087.1	3634776.6	108.0	5.00	4.65
4.65	YES		NO					
L0000102		0	0.44843E-02	502097.1	3634776.3	108.0	5.00	4.65
4.65	YES		NO					
L0000103		0	0.44843E-02	502107.1	3634776.1	107.9	5.00	4.65
4.65	YES		NO					
L0000104		0	0.44843E-02	502117.1	3634775.9	107.9	5.00	4.65
4.65	YES		NO					
L0000105		0	0.44843E-02	502127.1	3634775.7	107.7	5.00	4.65
4.65	YES		NO					
L0000106		0	0.44843E-02	502133.8	3634772.2	107.5	5.00	4.65
4.65	YES		NO					
L0000107		0	0.44843E-02	502133.9	3634762.2	107.4	5.00	4.65
4.65	YES		NO					
L0000108		0	0.44843E-02	502134.0	3634752.2	107.4	5.00	4.65
4.65	YES		NO					
L0000109		0	0.44843E-02	502134.2	3634742.2	107.3	5.00	4.65
4.65	YES		NO					
L0000110		0	0.44843E-02	502134.3	3634732.2	107.3	5.00	4.65
4.65	YES		NO					
L0000111		0	0.44843E-02	502141.4	3634729.7	106.9	5.00	4.65
4.65	YES		NO					
L0000112		0	0.44843E-02	502151.4	3634730.0	106.6	5.00	4.65
4.65	YES		NO					
L0000113		0	0.44843E-02	502161.4	3634730.4	106.5	5.00	4.65
4.65	YES		NO					
L0000114		0	0.44843E-02	502171.4	3634730.8	106.4	5.00	4.65
4.65	YES		NO					
L0000115		0	0.44843E-02	502181.4	3634731.2	106.3	5.00	4.65
4.65	YES		NO					
L0000116		0	0.44843E-02	502190.1	3634733.5	106.3	5.00	4.65
4.65	YES		NO					
L0000117		0	0.44843E-02	502194.4	3634742.5	106.4	5.00	4.65
4.65	YES		NO					
L0000118		0	0.44843E-02	502196.8	3634752.0	106.5	5.00	4.65
4.65	YES		NO					
L0000119		0	0.44843E-02	502196.5	3634762.0	106.6	5.00	4.65
4.65	YES		NO					
L0000120		0	0.44843E-02	502196.3	3634772.0	106.7	5.00	4.65
4.65	YES		NO					

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000121	0	0.44843E-02	502196.1	3634782.0	106.8	5.00	4.65
4.65 YES		NO					
L0000122	0	0.44843E-02	502195.8	3634791.9	107.0	5.00	4.65
4.65 YES		NO					
L0000123	0	0.44843E-02	502195.6	3634801.9	107.1	5.00	4.65
4.65 YES		NO					
L0000124	0	0.44843E-02	502195.3	3634811.9	107.2	5.00	4.65
4.65 YES		NO					
L0000125	0	0.44843E-02	502185.9	3634812.5	107.3	5.00	4.65
4.65 YES		NO					
L0000126	0	0.44843E-02	502175.9	3634812.5	107.4	5.00	4.65
4.65 YES		NO					
L0000127	0	0.44843E-02	502165.9	3634812.5	107.5	5.00	4.65
4.65 YES		NO					
L0000128	0	0.44843E-02	502155.9	3634812.5	107.6	5.00	4.65
4.65 YES		NO					
L0000129	0	0.44843E-02	502145.9	3634812.5	107.7	5.00	4.65
4.65 YES		NO					
L0000130	0	0.44843E-02	502135.9	3634812.5	107.9	5.00	4.65
4.65 YES		NO					
L0000131	0	0.44843E-02	502125.9	3634812.5	108.1	5.00	4.65
4.65 YES		NO					
L0000132	0	0.44843E-02	502115.9	3634812.5	108.2	5.00	4.65
4.65 YES		NO					
L0000133	0	0.44843E-02	502105.9	3634812.5	108.3	5.00	4.65
4.65 YES		NO					
L0000134	0	0.44843E-02	502095.9	3634812.5	108.3	5.00	4.65
4.65 YES		NO					
L0000135	0	0.44843E-02	502085.9	3634812.5	108.4	5.00	4.65
4.65 YES		NO					
L0000136	0	0.44843E-02	502075.9	3634812.5	108.5	5.00	4.65
4.65 YES		NO					
L0000137	0	0.44843E-02	502065.9	3634812.5	108.6	5.00	4.65
4.65 YES		NO					
L0000138	0	0.44843E-02	502055.9	3634812.5	108.6	5.00	4.65
4.65 YES		NO					
L0000139	0	0.44843E-02	502045.9	3634812.5	108.6	5.00	4.65

4.65	YES		NO					
L0000140		0	0.44843E-02	502046.0	3634803.3	108.3	5.00	4.65
4.65	YES		NO					
L0000141		0	0.44843E-02	502047.1	3634793.4	108.1	5.00	4.65
4.65	YES		NO					
L0000142		0	0.44843E-02	502052.6	3634788.2	108.1	5.00	4.65
4.65	YES		NO					
L0000143		0	0.44843E-02	502062.6	3634787.9	108.0	5.00	4.65
4.65	YES		NO					
L0000144		0	0.44843E-02	502072.6	3634787.5	108.0	5.00	4.65
4.65	YES		NO					
L0000145		0	0.44843E-02	502082.6	3634787.2	108.0	5.00	4.65
4.65	YES		NO					
L0000146		0	0.44843E-02	502092.5	3634786.8	108.0	5.00	4.65
4.65	YES		NO					
L0000147		0	0.44843E-02	502102.5	3634786.5	108.0	5.00	4.65
4.65	YES		NO					
L0000148		0	0.44843E-02	502112.5	3634786.2	107.9	5.00	4.65
4.65	YES		NO					
L0000149		0	0.44843E-02	502122.5	3634785.8	107.8	5.00	4.65
4.65	YES		NO					
L0000150		0	0.44843E-02	502132.5	3634785.5	107.6	5.00	4.65
4.65	YES		NO					
L0000151		0	0.44843E-02	502142.0	3634784.8	107.4	5.00	4.65
4.65	YES		NO					
L0000152		0	0.44843E-02	502141.9	3634774.8	107.3	5.00	4.65
4.65	YES		NO					
L0000153		0	0.44843E-02	502141.7	3634764.8	107.2	5.00	4.65
4.65	YES		NO					
L0000154		0	0.44843E-02	502141.6	3634754.8	107.1	5.00	4.65
4.65	YES		NO					
L0000155		0	0.44843E-02	502141.5	3634744.8	107.0	5.00	4.65
4.65	YES		NO					
L0000156		0	0.44843E-02	502144.8	3634738.8	106.8	5.00	4.65
4.65	YES		NO					
L0000157		0	0.44843E-02	502154.8	3634739.1	106.7	5.00	4.65
4.65	YES		NO					
L0000158		0	0.44843E-02	502164.8	3634739.5	106.6	5.00	4.65
4.65	YES		NO					
L0000159		0	0.44843E-02	502174.8	3634739.9	106.5	5.00	4.65
4.65	YES		NO					
L0000160		0	0.44843E-02	502183.9	3634741.6	106.5	5.00	4.65
4.65	YES		NO					

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000161	0	0.44843E-02	502189.1	3634750.2	106.5	5.00	4.65
4.65 YES		NO					
L0000162	0	0.44843E-02	502188.8	3634760.2	106.7	5.00	4.65
4.65 YES		NO					
L0000163	0	0.44843E-02	502188.4	3634770.2	106.8	5.00	4.65
4.65 YES		NO					
L0000164	0	0.44843E-02	502188.1	3634780.2	106.9	5.00	4.65
4.65 YES		NO					
L0000165	0	0.44843E-02	502187.7	3634790.2	107.0	5.00	4.65
4.65 YES		NO					
L0000166	0	0.44843E-02	502187.3	3634800.2	107.1	5.00	4.65
4.65 YES		NO					
L0000167	0	0.44843E-02	502182.8	3634805.8	107.2	5.00	4.65
4.65 YES		NO					
L0000168	0	0.44843E-02	502172.8	3634805.8	107.3	5.00	4.65
4.65 YES		NO					
L0000169	0	0.44843E-02	502162.8	3634805.7	107.4	5.00	4.65
4.65 YES		NO					
L0000170	0	0.44843E-02	502152.8	3634805.7	107.5	5.00	4.65
4.65 YES		NO					
L0000171	0	0.44843E-02	502142.8	3634805.6	107.7	5.00	4.65
4.65 YES		NO					
L0000172	0	0.44843E-02	502132.8	3634805.6	107.8	5.00	4.65
4.65 YES		NO					
L0000173	0	0.44843E-02	502122.8	3634805.6	108.0	5.00	4.65
4.65 YES		NO					
L0000174	0	0.44843E-02	502112.8	3634805.5	108.1	5.00	4.65
4.65 YES		NO					
L0000175	0	0.44843E-02	502102.8	3634805.5	108.1	5.00	4.65
4.65 YES		NO					
L0000176	0	0.44843E-02	502092.8	3634805.4	108.2	5.00	4.65
4.65 YES		NO					
L0000177	0	0.44843E-02	502082.8	3634805.4	108.3	5.00	4.65
4.65 YES		NO					
L0000178	0	0.44843E-02	502072.8	3634805.4	108.3	5.00	4.65
4.65 YES		NO					
L0000179	0	0.44843E-02	502062.8	3634805.3	108.3	5.00	4.65

4.65	YES		NO					
L0000180		0	0.44843E-02	502054.8	3634803.3	108.3	5.00	4.65
4.65	YES		NO					
L0000181		0	0.44843E-02	502057.5	3634795.5	108.0	5.00	4.65
4.65	YES		NO					
L0000182		0	0.44843E-02	502067.5	3634795.4	108.0	5.00	4.65
4.65	YES		NO					
L0000183		0	0.44843E-02	502077.5	3634795.3	108.0	5.00	4.65
4.65	YES		NO					
L0000184		0	0.44843E-02	502087.5	3634795.2	108.0	5.00	4.65
4.65	YES		NO					
L0000185		0	0.44843E-02	502097.5	3634795.1	108.0	5.00	4.65
4.65	YES		NO					
L0000186		0	0.44843E-02	502107.5	3634795.0	107.9	5.00	4.65
4.65	YES		NO					
L0000187		0	0.44843E-02	502117.5	3634794.8	107.8	5.00	4.65
4.65	YES		NO					
L0000188		0	0.44843E-02	502127.5	3634794.7	107.7	5.00	4.65
4.65	YES		NO					
L0000189		0	0.44843E-02	502137.5	3634794.6	107.6	5.00	4.65
4.65	YES		NO					
L0000190		0	0.44843E-02	502147.5	3634794.5	107.5	5.00	4.65
4.65	YES		NO					
L0000191		0	0.44843E-02	502148.8	3634786.2	107.4	5.00	4.65
4.65	YES		NO					
L0000192		0	0.44843E-02	502148.4	3634776.2	107.2	5.00	4.65
4.65	YES		NO					
L0000193		0	0.44843E-02	502148.0	3634766.2	107.1	5.00	4.65
4.65	YES		NO					
L0000194		0	0.44843E-02	502147.5	3634756.2	107.0	5.00	4.65
4.65	YES		NO					
L0000195		0	0.44843E-02	502147.2	3634746.3	106.9	5.00	4.65
4.65	YES		NO					
L0000196		0	0.44843E-02	502157.2	3634746.9	106.8	5.00	4.65
4.65	YES		NO					
L0000197		0	0.44843E-02	502167.2	3634747.5	106.7	5.00	4.65
4.65	YES		NO					
L0000198		0	0.44843E-02	502177.1	3634748.1	106.6	5.00	4.65
4.65	YES		NO					
L0000199		0	0.44843E-02	502182.4	3634753.9	106.6	5.00	4.65
4.65	YES		NO					
L0000200		0	0.44843E-02	502184.0	3634763.8	106.8	5.00	4.65
4.65	YES		NO					

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT				
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000201	0	0.44843E-02	502183.1	3634773.8	106.9	5.00	4.65
4.65 YES		NO					
L0000202	0	0.44843E-02	502182.1	3634783.7	107.0	5.00	4.65
4.65 YES		NO					
L0000203	0	0.44843E-02	502181.1	3634793.7	107.1	5.00	4.65
4.65 YES		NO					
L0000204	0	0.44843E-02	502177.5	3634800.7	107.2	5.00	4.65
4.65 YES		NO					
L0000205	0	0.44843E-02	502167.5	3634800.7	107.3	5.00	4.65
4.65 YES		NO					
L0000206	0	0.44843E-02	502157.5	3634800.7	107.4	5.00	4.65
4.65 YES		NO					
L0000207	0	0.44843E-02	502154.7	3634793.4	107.4	5.00	4.65
4.65 YES		NO					
L0000208	0	0.44843E-02	502154.6	3634783.4	107.3	5.00	4.65
4.65 YES		NO					
L0000209	0	0.44843E-02	502154.5	3634773.4	107.1	5.00	4.65
4.65 YES		NO					
L0000210	0	0.44843E-02	502154.4	3634763.4	107.0	5.00	4.65
4.65 YES		NO					
L0000211	0	0.44843E-02	502157.0	3634756.1	106.9	5.00	4.65
4.65 YES		NO					
L0000212	0	0.44843E-02	502167.0	3634756.4	106.8	5.00	4.65
4.65 YES		NO					
L0000213	0	0.44843E-02	502174.4	3634760.1	106.8	5.00	4.65
4.65 YES		NO					
L0000214	0	0.44843E-02	502176.7	3634769.7	106.9	5.00	4.65
4.65 YES		NO					
L0000215	0	0.44843E-02	502176.0	3634779.7	107.0	5.00	4.65
4.65 YES		NO					
L0000216	0	0.44843E-02	502175.3	3634789.7	107.1	5.00	4.65
4.65 YES		NO					
L0000217	0	0.44843E-02	502171.3	3634795.7	107.2	5.00	4.65
4.65 YES		NO					
L0000218	0	0.44843E-02	502161.3	3634794.6	107.3	5.00	4.65
4.65 YES		NO					
L0000219	0	0.44843E-02	502160.6	3634785.4	107.2	5.00	4.65

4.65	YES			NO				
L0000220		0	0.44843E-02	502160.8	3634775.4	107.1	5.00	4.65
4.65	YES			NO				
L0000221		0	0.44843E-02	502161.0	3634765.4	107.0	5.00	4.65
4.65	YES			NO				
L0000222		0	0.44843E-02	502166.7	3634769.0	107.0	5.00	4.65
4.65	YES			NO				
L0000223		0	0.44843E-02	502166.9	3634779.0	107.1	5.00	4.65
4.65	YES			NO				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP	ID	SOURCE IDs								
-----		-----								
ALL	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,
L0000006		,	L0000007	,	L0000008	,				
	L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,
L0000014		,	L0000015	,	L0000016	,				
	L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,
L0000022		,	L0000023	,	L0000024	,				
	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,
L0000030		,	L0000031	,	L0000032	,				
	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,
L0000038		,	L0000039	,	L0000040	,				
	L0000041	,	L0000042	,	L0000043	,	L0000044	,	L0000045	,
L0000046		,	L0000047	,	L0000048	,				
	L0000049	,	L0000050	,	L0000051	,	L0000052	,	L0000053	,
L0000054		,	L0000055	,	L0000056	,				
	L0000057	,	L0000058	,	L0000059	,	L0000060	,	L0000061	,
L0000062		,	L0000063	,	L0000064	,				
	L0000065	,	L0000066	,	L0000067	,	L0000068	,	L0000069	,
L0000070		,	L0000071	,	L0000072	,				

L0000078	L0000073 , L0000079	, L0000074 , L0000080	, L0000075 ,	, L0000076	, L0000077	,
L0000086	L0000081 , L0000087	, L0000082 , L0000088	, L0000083 ,	, L0000084	, L0000085	,
L0000094	L0000089 , L0000095	, L0000090 , L0000096	, L0000091 ,	, L0000092	, L0000093	,
L0000102	L0000097 , L0000103	, L0000098 , L0000104	, L0000099 ,	, L0000100	, L0000101	,
L0000110	L0000105 , L0000111	, L0000106 , L0000112	, L0000107 ,	, L0000108	, L0000109	,
L0000118	L0000113 , L0000119	, L0000114 , L0000120	, L0000115 ,	, L0000116	, L0000117	,
L0000126	L0000121 , L0000127	, L0000122 , L0000128	, L0000123 ,	, L0000124	, L0000125	,
L0000134	L0000129 , L0000135	, L0000130 , L0000136	, L0000131 ,	, L0000132	, L0000133	,
L0000142	L0000137 , L0000143	, L0000138 , L0000144	, L0000139 ,	, L0000140	, L0000141	,
L0000150	L0000145 , L0000151	, L0000146 , L0000152	, L0000147 ,	, L0000148	, L0000149	,
L0000158	L0000153 , L0000159	, L0000154 , L0000160	, L0000155 ,	, L0000156	, L0000157	,

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000166	L0000161 , L0000167	, L0000162 , L0000168	, L0000163 ,	, L0000164	, L0000165	,

L0000174	L0000169 , L0000175	, L0000170 , L0000176	, L0000171 ,	, L0000172	, L0000173	,
L0000182	L0000177 , L0000183	, L0000178 , L0000184	, L0000179 ,	, L0000180	, L0000181	,
L0000190	L0000185 , L0000191	, L0000186 , L0000192	, L0000187 ,	, L0000188	, L0000189	,
L0000198	L0000193 , L0000199	, L0000194 , L0000200	, L0000195 ,	, L0000196	, L0000197	,
L0000206	L0000201 , L0000207	, L0000202 , L0000208	, L0000203 ,	, L0000204	, L0000205	,
L0000214	L0000209 , L0000215	, L0000210 , L0000216	, L0000211 ,	, L0000212	, L0000213	,
L0000222	L0000217 , L0000223	, L0000218 ,	, L0000219	, L0000220	, L0000221	,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0000005 L0000008	3276208. , L0000006 ,	L0000001 , L0000007	, L0000002 ,	, L0000003	, L0000004	,	
L0000014	L0000009 , L0000015	, L0000010 , L0000016	, L0000011 ,	, L0000012	, L0000013	,	
L0000022	L0000017 , L0000023	, L0000018 , L0000024	, L0000019 ,	, L0000020	, L0000021	,	
L0000030	L0000025 , L0000031	, L0000026 , L0000032	, L0000027 ,	, L0000028	, L0000029	,	

L0000038	L0000033 , L0000039	, L0000034 , L0000040	, L0000035 ,	, L0000036	, L0000037	,
L0000046	L0000041 , L0000047	, L0000042 , L0000048	, L0000043 ,	, L0000044	, L0000045	,
L0000054	L0000049 , L0000055	, L0000050 , L0000056	, L0000051 ,	, L0000052	, L0000053	,
L0000062	L0000057 , L0000063	, L0000058 , L0000064	, L0000059 ,	, L0000060	, L0000061	,
L0000070	L0000065 , L0000071	, L0000066 , L0000072	, L0000067 ,	, L0000068	, L0000069	,
L0000078	L0000073 , L0000079	, L0000074 , L0000080	, L0000075 ,	, L0000076	, L0000077	,
L0000086	L0000081 , L0000087	, L0000082 , L0000088	, L0000083 ,	, L0000084	, L0000085	,
L0000094	L0000089 , L0000095	, L0000090 , L0000096	, L0000091 ,	, L0000092	, L0000093	,
L0000102	L0000097 , L0000103	, L0000098 , L0000104	, L0000099 ,	, L0000100	, L0000101	,
L0000110	L0000105 , L0000111	, L0000106 , L0000112	, L0000107 ,	, L0000108	, L0000109	,
L0000118	L0000113 , L0000119	, L0000114 , L0000120	, L0000115 ,	, L0000116	, L0000117	,
L0000126	L0000121 , L0000127	, L0000122 , L0000128	, L0000123 ,	, L0000124	, L0000125	,
L0000134	L0000129 , L0000135	, L0000130 , L0000136	, L0000131 ,	, L0000132	, L0000133	,
L0000142	L0000137 , L0000143	, L0000138 , L0000144	, L0000139 ,	, L0000140	, L0000141	,
L0000150	L0000145 , L0000151	, L0000146 , L0000152	, L0000147 ,	, L0000148	, L0000149	,
L0000158	L0000153 , L0000159	, L0000154 , L0000160	, L0000155 ,	, L0000156	, L0000157	,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000166	L0000161 , L0000167	, L0000162 , L0000163 , L0000164 , L0000165 ,
L0000174	L0000169 , L0000175	, L0000168 , L0000170 , L0000171 , L0000172 , L0000173 ,
L0000182	L0000177 , L0000183	, L0000176 , L0000178 , L0000179 , L0000180 , L0000181 ,
L0000190	L0000185 , L0000191	, L0000184 , L0000186 , L0000187 , L0000188 , L0000189 ,
L0000198	L0000193 , L0000199	, L0000192 , L0000194 , L0000195 , L0000196 , L0000197 ,
L0000206	L0000201 , L0000207	, L0000200 , L0000202 , L0000203 , L0000204 , L0000205 ,
L0000214	L0000209 , L0000215	, L0000208 , L0000210 , L0000211 , L0000212 , L0000213 ,
L0000222	L0000217 , L0000223	, L0000216 , L0000218 , L0000219 , L0000220 , L0000221 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

*** X-COORDINATES OF GRID ***

(METERS)

501597.3, 501630.1, 501662.8, 501695.6, 501728.4, 501761.2, 501794.0,
501826.7, 501859.5, 501892.3,
501925.1, 501957.9, 501990.6, 502023.4, 502056.2, 502089.0, 502121.8,
502154.5, 502187.3, 502220.1,
502252.9,

*** Y-COORDINATES OF GRID ***
(METERS)

3634948.4, 3634961.6, 3634974.9, 3634988.1, 3635001.4, 3635014.6, 3635027.9,
3635041.1, 3635054.4, 3635067.6,
3635080.9, 3635094.1, 3635107.4, 3635120.6, 3635133.9, 3635147.1, 3635160.4,
3635173.6, 3635186.9, 3635200.1,
3635213.4,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)					X-COORD (METERS)	
	501597.27	501630.05	501662.83	501695.61	501728.39	
501761.17	501793.95	501826.73	501859.51			

3635213.38	129.60	127.40	123.30	120.50	118.60	
117.20	116.60	116.20	116.60			
3635200.13	129.40	127.40	121.90	118.90	117.60	
116.30	116.10	115.70	116.30			
3635186.88	129.20	127.40	121.10	117.70	116.60	
115.70	115.50	115.40	116.20			
3635173.63	129.10	127.40	120.50	116.60	115.70	
115.20	114.80	115.10	116.10			
3635160.38	128.70	126.90	119.70	115.90	115.00	
114.60	114.30	114.90	116.00			
3635147.13	128.10	126.00	118.70	115.60	114.60	
113.90	113.90	114.90	115.80			
3635133.88	127.50	124.90	117.60	115.30	114.30	
113.30	113.50	114.90	115.70			
3635120.63	127.40	123.60	116.30	114.70	114.20	

113.00	113.10	114.80	115.60			
3635107.38	127.40	122.30	115.10	114.10	114.10	
112.80	112.80	114.60	115.50			
3635094.13	125.40	120.30	114.50	114.00	114.00	
112.50	112.50	114.10	114.90			
3635080.88	122.90	118.20	114.00	113.90	114.00	
112.20	112.10	113.50	114.30			
3635067.63	120.50	116.70	113.60	113.50	113.30	
111.80	111.90	113.10	114.00			
3635054.38	118.20	115.90	113.20	112.70	112.10	
111.10	111.80	113.00	113.90			
3635041.13	116.10	115.00	112.60	111.80	110.80	
110.60	111.60	112.80	113.70			
3635027.88	115.20	114.00	111.20	110.50	109.90	
110.50	111.00	112.00	112.80			
3635014.63	114.30	113.00	109.70	109.20	109.00	
110.30	110.50	111.30	112.00			
3635001.38	113.50	112.00	109.30	108.90	108.70	
110.10	110.10	110.80	111.70			
3634988.13	112.70	111.10	109.10	108.80	108.50	
109.80	109.70	110.20	111.50			
3634974.88	112.20	110.50	108.90	108.60	108.30	
109.40	109.50	109.90	111.00			
3634961.63	112.00	110.20	108.70	108.40	108.30	
109.00	109.30	109.60	110.20			
3634948.38	111.90	109.80	108.60	108.20	108.20	
108.50	109.00	109.40	109.60			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	501892.29	501925.07	501957.85	501990.63	502023.41
502056.19	502088.97	502121.75	502154.53		

3635213.38	117.20	117.70	117.90	117.20	117.00
116.30	115.30	114.20	113.40		
3635200.13	117.00	117.70	117.90	116.70	116.60
115.90	115.00	113.80	113.40		

3635186.88		116.80	117.50	117.70	116.60	116.30
115.60		114.60	113.70	113.20		
3635173.63		116.70	117.30	117.50	116.50	116.00
115.30		114.30	113.60	112.90		
3635160.38		116.50	117.10	117.30	116.40	115.80
115.00		114.00	113.30	112.70		
3635147.13		116.40	117.00	117.10	116.30	115.60
114.70		113.80	113.00	112.50		
3635133.88		116.20	116.80	116.90	116.20	115.40
114.50		113.60	112.60	112.40		
3635120.63		116.10	116.50	116.70	116.20	115.60
114.90		114.00	112.40	112.20		
3635107.38		115.90	116.30	116.50	116.10	115.80
115.30		114.30	112.30	112.10		
3635094.13		115.70	116.10	116.20	115.90	115.50
114.90		114.00	112.10	111.80		
3635080.88		115.40	115.90	115.90	115.60	115.10
114.40		113.60	112.00	111.50		
3635067.63		115.20	115.80	115.70	115.50	114.90
114.20		113.40	112.10	111.40		
3635054.38		115.20	115.70	115.80	115.60	114.90
114.10		113.40	112.30	111.50		
3635041.13		115.00	115.40	115.60	115.50	114.80
114.00		113.30	112.50	111.60		
3635027.88		113.90	114.50	114.60	114.40	113.90
113.10		112.60	111.90	111.40		
3635014.63		112.80	113.50	113.60	113.40	112.90
112.20		111.80	111.30	111.10		
3635001.38		112.30	113.00	113.30	113.10	112.60
112.00		111.40	111.10	111.00		
3634988.13		112.00	112.70	113.20	113.00	112.40
111.90		111.20	111.00	111.00		
3634974.88		111.50	112.20	112.80	112.70	112.20
111.70		110.90	110.80	110.90		
3634961.63		110.80	111.60	112.30	112.30	111.80
111.40		110.70	110.60	110.60		
3634948.38		110.20	111.10	111.90	112.00	111.50
111.10		110.50	110.40	110.40		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	502187.31	502220.09	502252.87	X-COORD (METERS)

3635213.38	112.70	112.10	111.90
3635200.13	112.70	112.00	112.10
3635186.88	112.70	111.90	112.00
3635173.63	112.60	111.80	111.90
3635160.38	112.50	111.60	111.70
3635147.13	112.30	111.40	111.50
3635133.88	112.00	111.10	111.20
3635120.63	111.80	110.90	110.90
3635107.38	111.60	110.70	110.70
3635094.13	111.30	110.50	110.60
3635080.88	111.00	110.30	110.50
3635067.63	110.90	110.40	110.40
3635054.38	111.00	110.70	110.20
3635041.13	111.00	110.90	110.00
3635027.88	110.90	110.90	109.50
3635014.63	110.90	110.90	109.00
3635001.38	110.80	110.80	108.60
3634988.13	110.80	110.70	108.10
3634974.88	110.70	110.60	107.80
3634961.63	110.50	110.40	107.50
3634948.38	110.40	110.30	107.30

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data
 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	501597.27	501630.05	501662.83	501695.61	501728.39

3635213.38	255.40	255.40	255.40	255.40	255.40
255.40	255.40	255.40	255.40		
3635200.13	255.40	255.40	255.40	255.40	255.40
255.40	255.40	255.40	255.40		

3635186.88		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635173.63		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635160.38		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635147.13		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635133.88		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635120.63		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635107.38		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635094.13		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635080.88		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635067.63		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635054.38		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635041.13		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635027.88		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.40		
3635014.63		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.00		
3635001.38		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.00		
3634988.13		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.40	255.00		
3634974.88		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.00	205.10		
3634961.63		255.40	255.40	255.40	255.40	255.40
255.40		255.40	255.00	205.10		
3634948.38		255.40	255.40	255.40	255.40	255.40
255.40		255.00	255.00	205.10		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)					X-COORD (METERS)	
	501892.29	501925.07	501957.85	501990.63	502023.41	
502056.19	502088.97	502121.75	502154.53			

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3635213.38		255.40	255.40	255.40	255.40	255.40
255.40	255.40	255.40	255.00			
3635200.13		255.40	255.40	255.40	255.40	255.40
255.40	255.40	255.00	255.00			
3635186.88		255.40	255.40	255.40	255.40	255.40
255.40	255.00	255.00	113.20			
3635173.63		255.40	255.40	255.40	255.40	255.40
255.40	255.00	113.60	112.90			
3635160.38		255.40	255.40	255.40	255.40	255.40
255.00	255.00	113.30	112.70			
3635147.13		255.40	255.40	255.40	255.40	255.00
255.00	113.80	113.00	112.50			
3635133.88		255.40	255.40	255.40	255.00	255.00
114.50	113.60	112.60	112.40			
3635120.63		255.40	255.40	255.00	255.00	115.60
114.90	114.00	112.40	112.20			
3635107.38		255.40	255.40	255.00	116.10	115.80
115.30	114.30	112.30	112.10			
3635094.13		255.40	255.00	255.00	115.90	115.50
114.90	114.00	112.10	111.80			
3635080.88		255.40	255.00	197.60	115.60	115.10
114.40	113.60	112.00	111.50			
3635067.63		255.00	255.00	196.40	115.50	114.90
114.20	113.40	112.10	111.40			
3635054.38		255.00	198.40	115.80	115.60	114.90
114.10	113.40	112.30	111.50			
3635041.13		255.00	198.40	115.60	115.50	114.80
114.00	113.30	112.50	111.60			
3635027.88		255.00	198.40	114.60	114.40	113.90
113.10	112.60	111.90	111.40			
3635014.63		255.00	198.40	113.60	113.40	112.90
112.20	111.80	111.30	111.10			
3635001.38		205.10	198.40	113.30	113.10	112.60
112.00	111.40	111.10	111.00			
3634988.13		205.10	197.60	113.20	113.00	112.40
111.90	111.20	111.00	111.00			
3634974.88		203.10	197.60	112.80	112.70	112.20
111.70	110.90	110.80	110.90			
3634961.63		198.90	197.60	112.30	112.30	111.80
111.40	110.70	110.60	110.60			
3634948.38		198.90	196.40	111.90	112.00	111.50
111.10	110.50	110.40	110.40			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	502187.31	502220.09	502252.87	X-COORD (METERS)
3635213.38	112.70	112.10	111.90	
3635200.13	112.70	112.00	112.10	
3635186.88	112.70	111.90	112.00	
3635173.63	112.60	111.80	111.90	
3635160.38	112.50	111.60	111.70	
3635147.13	112.30	111.40	111.50	
3635133.88	112.00	111.10	111.20	
3635120.63	111.80	110.90	110.90	
3635107.38	111.60	110.70	110.70	
3635094.13	111.30	110.50	110.60	
3635080.88	111.00	110.30	110.50	
3635067.63	110.90	110.40	110.40	
3635054.38	111.00	110.70	110.20	
3635041.13	111.00	110.90	110.00	
3635027.88	110.90	110.90	109.50	
3635014.63	110.90	110.90	109.00	
3635001.38	110.80	110.80	108.60	
3634988.13	110.80	110.70	108.10	
3634974.88	110.70	110.60	107.80	
3634961.63	110.50	110.40	107.50	
3634948.38	110.40	110.30	107.30	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(501602.7, 3635113.8, 127.0, 255.4,	0.0);	(502091.2,
3634721.3, 108.2, 108.2, 0.0);		
(501724.0, 3634830.5, 105.3, 205.7,	0.0);	(501656.0,
3634810.1, 105.4, 205.7, 0.0);		
(501659.4, 3634840.7, 105.4, 255.1,	0.0);	(501682.0,
3634782.9, 105.4, 205.1, 0.0);		
(501615.2, 3634804.5, 105.4, 205.7,	0.0);	(501713.8,
3634792.0, 105.3, 205.1, 0.0);		
(501738.7, 3634746.7, 105.4, 198.4,	0.0);	(502804.3,
3635417.2, 116.9, 333.1, 0.0);		
(502842.8, 3635418.0, 116.9, 333.1,	0.0);	(502881.3,
3635418.8, 117.0, 333.1, 0.0);		
(502916.5, 3635414.7, 116.8, 333.1,	0.0);	(502946.8,
3635416.3, 116.8, 333.1, 0.0);		
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( 502810.1, 3634738.2, 108.6, 108.6, 0.0); ( 502866.5,
3634738.2, 109.4, 109.4, 0.0);

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^ *** AERMOD - VERSION 23132 *** *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24
*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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(503148.2, 3634738.2, 109.6, 109.6, 0.0);	(503204.5,
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(503260.8, 3634738.2, 108.4, 317.2, 0.0);	(503317.2,
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(502810.1, 3634798.6, 109.2, 109.2, 0.0);	(502866.5,
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(502922.8, 3634798.6, 109.7, 109.7, 0.0);	(502979.1,
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(503035.5, 3634798.6, 109.8, 109.8, 0.0);	(503091.8,
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(503148.2, 3634798.6, 109.1, 109.1, 0.0);	(503204.5,
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^ *** AERMOD - VERSION 23132 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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3634889.2, 110.8, 197.1, 0.0);	
(503373.5, 3634889.2, 110.6, 197.1, 0.0);	(502303.1,
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(502584.8, 3634919.4, 108.3, 108.3, 0.0);	(502641.1,
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▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24

*** AERMET - VERSION 22112 ***

*** 12:46:26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(503373.5, 3635070.4, 110.6, 333.1, 0.0);	(502303.1, 3635100.6, 110.8, 110.8, 0.0);
(502359.4, 3635100.6, 110.0, 110.0, 0.0);	(502415.8, 3635100.6, 110.1, 110.1, 0.0);
(502472.1, 3635100.6, 110.6, 110.6, 0.0);	(502528.4, 3635100.6, 110.3, 110.3, 0.0);
(502584.8, 3635100.6, 109.7, 109.7, 0.0);	(502641.1, 3635100.6, 109.1, 333.1, 0.0);
(502753.8, 3635100.6, 110.4, 333.1, 0.0);	(502810.1, 3635100.6, 110.6, 333.1, 0.0);
(502866.5, 3635100.6, 110.2, 333.1, 0.0);	(502922.8, 3635100.6, 109.2, 333.1, 0.0);
(502979.1, 3635100.6, 109.5, 333.1, 0.0);	(503035.5, 3635100.6, 109.5, 333.1, 0.0);
(503091.8, 3635100.6, 109.8, 333.1, 0.0);	(503148.2, 3635100.6, 109.9, 333.1, 0.0);
(503204.5, 3635100.6, 110.4, 333.1, 0.0);	(503260.8, 3635100.6, 110.3, 333.1, 0.0);
(503317.2, 3635100.6, 110.9, 333.1, 0.0);	(503373.5, 3635100.6, 111.0, 333.1, 0.0);
(502303.1, 3635130.8, 111.1, 111.1, 0.0);	(502359.4, 3635130.8, 110.5, 110.5, 0.0);
(502415.8, 3635130.8, 110.7, 110.7, 0.0);	(502472.1, 3635130.8, 111.0, 111.0, 0.0);
(502528.4, 3635130.8, 110.5, 110.5, 0.0);	(502584.8, 3635130.8, 110.1, 110.1, 0.0);
(502641.1, 3635130.8, 109.5, 333.1, 0.0);	(502753.8, 3635130.8, 110.7, 333.1, 0.0);
(502810.1, 3635130.8, 110.9, 333.1, 0.0);	(502866.5, 3635130.8, 110.5, 333.1, 0.0);
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(503035.5, 3635130.8, 109.8, 333.1, 0.0);	(503091.8, 3635130.8, 110.6, 333.1, 0.0);
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( 502585.5, 3633473.4, 108.0, 318.9, 0.0); ( 502640.0,
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( 502694.5, 3633473.4, 108.8, 318.9, 0.0); ( 502749.0,
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( 502803.5, 3633473.4, 109.2, 329.9, 0.0); ( 502858.0,
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▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24

*** AERMET - VERSION 22112 ***

*** 12:46:26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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3633537.4, 107.1, 318.9, 0.0);	
(502749.0, 3633537.4, 107.7, 318.9, 0.0);	(502803.5,
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(502585.5, 3633793.6, 107.2, 107.2, 0.0);	(502640.0,
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3634629.9, 104.1, 198.4, 0.0);

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*** AERMET - VERSION 22112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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3634920.9, 112.6, 255.4, 0.0);	
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3634387.9, 106.9, 318.9, 0.0);	
(503087.1, 3634382.4, 106.8, 318.9, 0.0);	(503103.5,
3634385.1, 106.8, 318.9, 0.0);	
(503130.7, 3634383.8, 106.7, 318.9, 0.0);	(503159.2,
3634383.8, 106.7, 318.9, 0.0);	
(503182.3, 3634381.1, 106.5, 318.9, 0.0);	(502909.0,
3634272.3, 106.7, 318.9, 0.0);	
(502903.6, 3634246.5, 106.6, 318.9, 0.0);	(502905.0,
3634190.7, 106.5, 318.9, 0.0);	
(502903.6, 3634158.1, 106.8, 318.9, 0.0);	(502905.0,
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(502906.3, 3634103.7, 106.9, 318.9, 0.0);	(502963.8,
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3634269.8, 106.4, 318.9, 0.0);	
(502965.6, 3634265.6, 106.1, 318.9, 0.0);	(503000.6,
3634291.5, 106.7, 318.9, 0.0);	
(503023.5, 3634327.1, 106.6, 318.9, 0.0);	(503037.4,
3634331.3, 106.7, 318.9, 0.0);	
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(502031.5, 3634861.9, 110.3, 110.3,	0.0);	(502021.1,
3634861.9, 110.4, 110.4, 0.0);		
(502009.6, 3634861.9, 110.5, 110.5,	0.0);	(501997.0,
3634861.9, 110.6, 110.6, 0.0);		
(501981.4, 3634866.4, 110.4, 110.4,	0.0);	(501973.6,
3634869.0, 110.2, 110.2, 0.0);		
(502079.3, 3634895.3, 109.8, 109.8,	0.0);	(502065.9,
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3634918.3, 111.0, 111.0, 0.0);		

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*** AERMOD - VERSION 23132 ***      *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co ***      02/05/24
*** AERMET - VERSION 22112 ***      ***
***      12:46:26

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  SigA Data
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
      (METERS)

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(502064.1, 3634919.0, 110.9, 110.9, 0.0);	(502077.4, 3634918.6, 110.5, 110.5, 0.0);
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*** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24
*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  SigA Data
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*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

CATEGORIES ***
*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
10.80,

▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24
*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

Surface file: LES_2019-2021_v22112.SFC
Met Version: 22112
Profile file: LES_2019-2021_v22112.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 53143 Upper air station no.: 3190
Name: LES Name: UNKNOWN
Year: 2019 Year: 2019

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
19	01	01	1	01	-1.2	0.036	-9.000	-9.000	-999.	17.	3.4	0.03	1.10	
1.00	1.07	109.			10.0	279.8	10.0							
19	01	01	1	02	-0.4	0.018	-9.000	-9.000	-999.	6.	1.5	0.03	1.10	
1.00	0.54	221.			10.0	278.4	10.0							
19	01	01	1	03	-0.4	0.020	-9.000	-9.000	-999.	7.	1.7	0.03	1.10	
1.00	0.58	120.			10.0	277.3	10.0							
19	01	01	1	04	-0.9	0.029	-9.000	-9.000	-999.	12.	2.3	0.03	1.10	
1.00	0.85	74.			10.0	276.5	10.0							
19	01	01	1	05	-0.6	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10	
1.00	0.72	108.			10.0	276.0	10.0							

19	01	01	1	06	-1.1	0.032	-9.000	-9.000	-999.	14.	2.6	0.03	1.10
1.00		0.94	44.	10.0	275.4	10.0							
19	01	01	1	07	-0.7	0.024	-9.000	-9.000	-999.	9.	2.0	0.03	1.10
1.00		0.72	288.	10.0	275.5	10.0							
19	01	01	1	08	-0.5	0.024	-9.000	-9.000	-999.	9.	2.5	0.03	1.10
0.49		0.72	231.	10.0	276.0	10.0							
19	01	01	1	09	33.8	-9.000	-9.000	-9.000	154.	-999.	-99999.0	0.03	1.10
0.30		0.00	0.	10.0	279.9	10.0							
19	01	01	1	10	85.0	0.120	0.857	0.005	265.	100.	-1.8	0.03	1.10
0.23		1.16	332.	10.0	283.3	10.0							
19	01	01	1	11	119.9	0.189	1.381	0.005	785.	197.	-5.0	0.03	1.10
0.21		2.10	320.	10.0	285.3	10.0							
19	01	01	1	12	136.4	0.238	1.521	0.005	922.	278.	-8.8	0.03	1.10
0.20		2.82	18.	10.0	286.5	10.0							
19	01	01	1	13	133.6	0.307	1.572	0.005	1039.	409.	-19.4	0.03	1.10
0.20		3.93	12.	10.0	286.8	10.0							
19	01	01	1	14	112.1	0.313	1.524	0.005	1127.	419.	-24.3	0.03	1.10
0.21		4.07	26.	10.0	286.8	10.0							
19	01	01	1	15	72.7	0.324	1.339	0.005	1180.	443.	-41.9	0.03	1.10
0.24		4.38	62.	10.0	286.8	10.0							
19	01	01	1	16	18.5	0.316	0.851	0.005	1191.	426.	-152.4	0.03	1.10
0.33		4.51	44.	10.0	285.8	10.0							
19	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	1.10
0.61		4.02	71.	10.0	284.5	10.0							
19	01	01	1	18	-21.6	0.194	-9.000	-9.000	-999.	205.	30.1	0.03	1.10
1.00		3.67	76.	10.0	283.2	10.0							
19	01	01	1	19	-8.3	0.088	-9.000	-9.000	-999.	69.	7.2	0.03	1.10
1.00		2.59	53.	10.0	282.6	10.0							
19	01	01	1	20	-4.6	0.065	-9.000	-9.000	-999.	40.	5.3	0.03	1.10
1.00		1.92	93.	10.0	280.8	10.0							
19	01	01	1	21	-2.7	0.050	-9.000	-9.000	-999.	27.	4.1	0.03	1.10
1.00		1.48	85.	10.0	278.6	10.0							
19	01	01	1	22	-1.2	0.033	-9.000	-9.000	-999.	14.	2.7	0.03	1.10
1.00		0.98	82.	10.0	277.5	10.0							
19	01	01	1	23	-4.0	0.061	-9.000	-9.000	-999.	36.	4.9	0.03	1.10
1.00		1.79	85.	10.0	276.5	10.0							
19	01	01	1	24	-5.3	0.070	-9.000	-9.000	-999.	44.	5.7	0.03	1.10
1.00		2.06	100.	10.0	276.4	10.0							

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
19	01	01	01	10.0	1	109.	1.07	279.9	38.0	-99.00	0.58

F indicates top of profile (=1) or below (=0)

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 *** AERMET - VERSION 22112 *** ***
 *** 12:46:26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)	
	501597.27	501630.05	501662.83	501695.61	501728.39
501761.17	501793.95	501826.73	501859.51		

3635213.38	2.73112	2.98419	3.37809	3.74943	4.10332
4.44984	4.77319	5.09998	5.40161		
3635200.13	2.80207	3.05165	3.53810	3.93516	4.26541
4.62097	4.94364	5.29240	5.60632		
3635186.88	2.87757	3.12322	3.67373	4.10374	4.43431
4.78626	5.12900	5.48660	5.81305		
3635173.63	2.95286	3.19937	3.80606	4.27307	4.60665
4.95596	5.33163	5.69202	6.03096		
3635160.38	3.04986	3.31070	3.95957	4.42962	4.77775
5.14134	5.53552	5.90339	6.26085		
3635147.13	3.16544	3.45508	4.13451	4.57399	4.94201
5.35173	5.75505	6.11317	6.51067		
3635133.88	3.28983	3.62312	4.32302	4.72628	5.10952
5.57965	5.99488	6.33360	6.76823		
3635120.63	3.39288	3.81710	4.52588	4.90011	5.27546
5.81275	6.25610	6.57374	7.04111		
3635107.38	3.49764	4.02634	4.71887	5.08032	5.45250
6.02415	6.53089	6.83659	7.33078		
3635094.13	3.74267	4.30021	4.88768	5.24714	5.63866
6.23932	6.78938	7.14649	7.68991		
3635080.88	4.03660	4.58394	5.05528	5.42368	5.82982
6.45135	7.06031	7.51915	8.07711		
3635067.63	4.33664	4.81917	5.21452	5.60942	6.06970
6.66500	7.31829	7.89487	8.46705		

3635054.38	4.62084	5.00950	5.35933	5.78237	6.26079
6.88868	7.57707	8.25841	8.86800		
3635041.13	4.85025	5.19031	5.45622	5.84566	6.42223
7.10210	7.84653	8.63172	9.31144		
3635027.88	5.00443	5.34644	5.42492	5.96728	6.59803
7.31172	8.13171	9.02690	9.98895		
3635014.63	5.13450	5.34238	5.53911	6.11241	6.77363
7.52540	8.40958	9.41410	10.52826		
3635001.38	5.16888	5.23904	5.64969	6.24842	6.94368
7.74102	8.68936	9.78538	11.02155		
3634988.13	5.05929	5.22055	5.75704	6.38165	7.11202
7.95880	8.97269	10.16234	11.52303		
3634974.88	5.01112	5.29606	5.86166	6.51275	7.27804
8.17729	9.25497	10.53886	12.04967		
3634961.63	5.03908	5.37807	5.96267	6.64003	7.44087
8.39322	9.53738	10.92028	12.58881		
3634948.38	5.08550	5.45685	6.05900	6.76242	7.59905
8.60403	9.81882	11.30150	13.12985		

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 *** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	501892.29	501925.07	501957.85	501990.63	502023.41
502056.19	502088.97	502121.75	502154.53		

- - - - -
 - - - - -

3635213.38	5.70429	6.01569	6.33634	6.67785	6.97177

7.23631	7.44267	7.57836	7.62577		
3635200.13		5.92697	6.25313	6.60081	7.30721
7.59343	7.81797	7.95231	8.03096		
3635186.88		6.16324	6.51608	6.89376	7.66649
7.97957	8.22433	8.37787	8.45032		
3635173.63		6.40850	6.79650	7.20768	8.05518
8.39921	8.67007	8.84382	8.88003		
3635160.38		6.67488	7.09596	7.54461	8.47458
8.85710	9.15773	9.34567	9.40081		
3635147.13		6.95139	7.40892	7.90688	8.93104
9.35845	9.69165	9.88136	9.98364		
3635133.88		7.25299	7.75114	8.29704	9.42936
9.90773	10.28445	10.52912	10.62795		
3635120.63		7.56622	8.12713	8.71814	9.95446
10.49410	10.93516	11.24940	11.35345		
3635107.38		7.90967	8.52268	9.17362	10.52299
11.12858	11.64609	12.04007	12.14787		
3635094.13		8.27782	8.94867	9.67806	11.18165
11.86682	12.44462	12.94159	13.06497		
3635080.88		8.68532	9.40853	10.22798	11.92131
12.69846	13.34524	13.93288	14.08877		
3635067.63		9.11241	9.89244	10.81603	12.72416
13.60886	14.36051	15.00537	15.21844		
3635054.38		9.54444	10.41551	11.41145	13.59098
14.62560	15.48309	16.17848	16.46880		
3635041.13		10.04046	11.01778	12.10996	14.56946
15.76638	16.77062	17.48117	17.89183		
3635027.88		10.75879	11.79242	13.04272	15.85839
17.32853	18.46856	19.32503	19.57361		
3635014.63		11.70267	12.77886	14.19498	17.64167
19.36368	20.60274	21.37736	21.52209		
3635001.38		12.40815	13.82186	15.29303	19.31812
21.27920	22.79887	23.61101	23.76090		
3634988.13		13.09879	14.80000	16.44334	21.18877
23.44345	25.26509	26.22076	26.36440		
3634974.88		13.83915	15.83579	17.97339	23.35786
26.03492	28.18633	29.32025	29.46420		
3634961.63		14.60131	16.94073	19.52835	25.95614
29.10130	31.63786	33.03792	33.21806		
3634948.38		15.36790	18.06420	21.15314	28.88362
32.69328	35.79158	37.53827	37.74086		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
	502187.31	502220.09	502252.87
3635213.38	7.57034	7.49780	7.37098
3635200.13	7.97292	7.88727	7.76983
3635186.88	8.41055	8.31214	8.16964
3635173.63	8.88499	8.77430	8.60593
3635160.38	9.40511	9.27767	9.06896
3635147.13	9.97508	9.83243	9.58240
3635133.88	10.61156	10.44991	10.15083
3635120.63	11.31985	11.12984	10.78513
3635107.38	12.10661	11.88324	11.48482
3635094.13	12.98891	12.71982	12.25515
3635080.88	13.97761	13.65191	13.10778
3635067.63	15.07614	14.68031	14.05473
3635054.38	16.30327	15.82249	15.11533
3635041.13	17.70251	17.11423	16.30254
3635027.88	19.30884	18.59216	17.65450
3635014.63	21.14509	20.27694	19.17958
3635001.38	23.28109	22.21992	20.90029
3634988.13	25.76046	24.46589	22.85760
3634974.88	28.69744	27.07988	25.08318
3634961.63	32.20466	30.16506	27.63539
3634948.38	36.40349	33.80318	30.58445

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*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
501602.73	3635113.79	3.49980	502091.20
3634721.35	114.08114		
501723.95	3634830.54	8.31385	501655.97
3634810.14	6.41713		
501659.36	3634840.73	6.45608	501682.03
3634782.95	7.05623		
501615.18	3634804.48	5.57872	501713.75
3634792.01	8.00727		
501738.68	3634746.69	8.76674	502804.34
3635417.16	2.36707		
502842.81	3635417.98	2.22782	502881.29
3635418.80	2.09923		
502916.49	3635414.71	2.00002	502946.78
3635416.34	1.91221		
502812.52	3635466.28	2.22808	502802.70
3635530.95	2.11697		
502804.34	3635509.67	2.15877	502803.52
3635553.88	2.06515		
502881.29	3635525.22	1.91482	502923.86
3635526.04	1.80561		
502966.43	3635530.14	1.69957	502996.72
3635469.56	1.70955		
503003.27	3635421.26	1.76326	503514.45
3634924.92	1.23787		
503585.73	3634932.63	1.13743	503561.65
3634986.57	1.15111		
503547.20	3634944.19	1.18532	503568.39
3634877.73	1.17418		
503469.18	3634893.14	1.31935	503457.62

3634854.61	1.34722		
503469.18	3634854.61	1.33050	502528.43
3634617.44	11.15039		
502584.77	3634617.44	9.06972	502641.11
3634617.44	7.49472		
502697.45	3634617.44	6.28317	502753.79
3634617.44	5.34186		
502528.43	3634647.64	11.52065	502584.77
3634647.64	9.23813		
502641.11	3634647.64	7.55491	502697.45
3634647.64	6.29391		
502753.79	3634647.64	5.32913	502810.13
3634647.64	4.57582		
502866.47	3634647.64	3.97403	502922.81
3634647.64	3.48687		
502979.15	3634647.64	3.08762	503035.49
3634647.64	2.75633		
503091.83	3634647.64	2.47837	503148.17
3634647.64	2.24068		
503204.51	3634647.64	2.03881	503260.85
3634647.64	1.86523		
503317.19	3634647.64	1.71327	503373.53
3634647.64	1.58018		
502528.43	3634677.84	11.72514	502584.77
3634677.84	9.29304		
502641.11	3634677.84	7.55340	502697.45
3634677.84	6.26740		
502753.79	3634677.84	5.29483	502810.13
3634677.84	4.53833		
502866.47	3634677.84	3.93835	502922.81
3634677.84	3.45541		
502979.15	3634677.84	3.05926	503035.49
3634677.84	2.73171		
503091.83	3634677.84	2.45682	503148.17
3634677.84	2.22076		
503204.51	3634677.84	2.02018	503260.85
3634677.84	1.85048		
503317.19	3634677.84	1.70031	503373.53
3634677.84	1.56868		
502528.43	3634708.04	11.76002	502584.77
3634708.04	9.26139		
502641.11	3634708.04	7.50058	502697.45
3634708.04	6.21391		
502753.79	3634708.04	5.24361	502810.13
3634708.04	4.49126		
502866.47	3634708.04	3.89638	502922.81
3634708.04	3.41989		
502979.15	3634708.04	3.02907	503035.49
3634708.04	2.70570		
503091.83	3634708.04	2.43445	503148.17

3634708.04 2.20182

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*** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
503204.51	3634708.04	2.00460	503260.85
3634708.04	1.83577		
503317.19	3634708.04	1.68716	503373.53
3634708.04	1.55684		
502528.43	3634738.24	11.67423	502584.77
3634738.24	9.16767		
502641.11	3634738.24	7.41611	502697.45
3634738.24	6.14158		
502810.13	3634738.24	4.44063	502866.47
3634738.24	3.85303		
502922.81	3634738.24	3.38327	502979.15
3634738.24	2.99949		
503035.49	3634738.24	2.68015	503091.83
3634738.24	2.41243		
503148.17	3634738.24	2.18338	503204.51
3634738.24	1.98869		
503260.85	3634738.24	1.82161	503317.19
3634738.24	1.67487		
503373.53	3634738.24	1.54604	502528.43
3634768.44	11.50336		

502584.77	3634768.44	9.03159	502641.11
3634768.44	7.30948		
502697.45	3634768.44	6.05751	502810.13
3634768.44	4.38608		
502866.47	3634768.44	3.80838	502922.81
3634768.44	3.34589		
502979.15	3634768.44	2.96894	503035.49
3634768.44	2.65383		
503091.83	3634768.44	2.38994	503148.17
3634768.44	2.16472		
503204.51	3634768.44	1.97312	503260.85
3634768.44	1.80739		
503317.19	3634768.44	1.66252	503373.53
3634768.44	1.53546		
502528.43	3634798.64	11.26317	502584.77
3634798.64	8.86310		
502641.11	3634798.64	7.18525	502697.45
3634798.64	5.96212		
502810.13	3634798.64	4.32661	502866.47
3634798.64	3.76149		
502922.81	3634798.64	3.30706	502979.15
3634798.64	2.93694		
503035.49	3634798.64	2.62555	503091.83
3634798.64	2.36672		
503148.17	3634798.64	2.14593	503204.51
3634798.64	1.95703		
503260.85	3634798.64	1.79293	503317.19
3634798.64	1.64988		
503373.53	3634798.64	1.52427	502303.07
3634828.84	49.89111		
502359.41	3634828.84	29.78153	502415.75
3634828.84	19.94095		
502472.09	3634828.84	14.34784	502528.43
3634828.84	10.96303		
502584.77	3634828.84	8.66034	502641.11
3634828.84	7.04333		
502697.45	3634828.84	5.85777	502810.13
3634828.84	4.26535		
502866.47	3634828.84	3.71345	502922.81
3634828.84	3.26578		
502979.15	3634828.84	2.90178	503035.49
3634828.84	2.59833		
503091.83	3634828.84	2.34392	503148.17
3634828.84	2.12630		
503204.51	3634828.84	1.93973	503260.85
3634828.84	1.77784		
503317.19	3634828.84	1.63649	503373.53
3634828.84	1.51114		
502303.07	3634859.04	42.97500	502359.41
3634859.04	27.28485		

502415.75	3634859.04	18.81817	502472.09
3634859.04	13.80385		
502528.43	3634859.04	10.60020	502584.77
3634859.04	8.42686		
502641.11	3634859.04	6.87929	502697.45
3634859.04	5.74212		
502810.13	3634859.04	4.19819	502866.47
3634859.04	3.66097		
502922.81	3634859.04	3.22266	502979.15
3634859.04	2.86597		

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 *** AERMET - VERSION 22112 ***
 *** 12:46:26

PAGE 33

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
503035.49	3634859.04	2.56794	503091.83
3634859.04	2.31807		
503148.17	3634859.04	2.10510	503204.51
3634859.04	1.92160		
503260.85	3634859.04	1.76182	503317.19
3634859.04	1.62077		
503373.53	3634859.04	1.49899	502303.07
3634889.24	35.90256		
502359.41	3634889.24	24.44249	502415.75
3634889.24	17.47821		
502472.09	3634889.24	13.09042	502528.43

3634889.24	10.17620		
502584.77	3634889.24	8.15416	502641.11
3634889.24	6.69654		
502697.45	3634889.24	5.60784	502753.79
3634889.24	4.77803		
502810.13	3634889.24	4.12472	502866.47
3634889.24	3.60329		
502922.81	3634889.24	3.17800	502979.15
3634889.24	2.82808		
503035.49	3634889.24	2.53700	503091.83
3634889.24	2.29158		
503148.17	3634889.24	2.08249	503204.51
3634889.24	1.90214		
503260.85	3634889.24	1.74331	503317.19
3634889.24	1.60631		
503373.53	3634889.24	1.48608	502303.07
3634919.44	29.64310		
502359.41	3634919.44	21.57401	502415.75
3634919.44	16.03518		
502472.09	3634919.44	12.29597	502528.43
3634919.44	9.69884		
502584.77	3634919.44	7.84974	502641.11
3634919.44	6.48644		
502303.07	3634949.64	24.52599	502359.41
3634949.64	18.89695		
502415.75	3634949.64	14.57464	502472.09
3634949.64	11.45112		
502528.43	3634949.64	9.17855	502584.77
3634949.64	7.51479		
502641.11	3634949.64	6.26339	502753.79
3634949.64	4.55100		
502810.13	3634949.64	3.95041	502866.47
3634949.64	3.47023		
502922.81	3634949.64	3.07076	502979.15
3634949.64	2.74449		
503035.49	3634949.64	2.46718	503091.83
3634949.64	2.23283		
503148.17	3634949.64	2.03308	503204.51
3634949.64	1.85992		
503260.85	3634949.64	1.70676	503317.19
3634949.64	1.57590		
503373.53	3634949.64	1.45874	502303.07
3634979.84	20.48361		
502359.41	3634979.84	16.49291	502415.75
3634979.84	13.16764		
502472.09	3634979.84	10.59527	502528.43
3634979.84	8.63871		
502584.77	3634979.84	7.15636	502641.11
3634979.84	6.01758		
502303.07	3635010.04	17.23777	502359.41

3635010.04	14.42651		
502415.75	3635010.04	11.86497	502472.09
3635010.04	9.76127		
502528.43	3635010.04	8.08944	502584.77
3635010.04	6.78567		
502641.11	3635010.04	5.75914	502753.79
3635010.04	4.28502		
502810.13	3635010.04	3.75247	502866.47
3635010.04	3.31276		
502922.81	3635010.04	2.95108	502979.15
3635010.04	2.64698		
503035.49	3635010.04	2.38776	503091.83
3635010.04	2.16661		
503148.17	3635010.04	1.97774	503204.51
3635010.04	1.81347		
503260.85	3635010.04	1.66908	503317.19
3635010.04	1.54213		
503373.53	3635010.04	1.42962	502303.07
3635040.24	14.68242		

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 *** 12:46:26

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

502359.41	3635040.24	12.63950	502415.75
3635040.24	10.65134		

502472.09	3635040.24	8.95076	502528.43
3635040.24	7.54483		
502584.77	3635040.24	6.40986	502641.11
3635040.24	5.49130		
502753.79	3635040.24	4.13978	502810.13
3635040.24	3.64120		
502866.47	3635040.24	3.22945	502922.81
3635040.24	2.88431		
502979.15	3635040.24	2.59250	503035.49
3635040.24	2.34359		
503091.83	3635040.24	2.12991	503148.17
3635040.24	1.94632		
503204.51	3635040.24	1.78632	503260.85
3635040.24	1.64566		
503317.19	3635040.24	1.52210	503373.53
3635040.24	1.41302		
502303.07	3635070.44	12.64484	502359.41
3635070.44	11.12900		
502415.75	3635070.44	9.59273	502472.09
3635070.44	8.20756		
502528.43	3635070.44	7.02378	502584.77
3635070.44	6.04147		
502641.11	3635070.44	5.22543	502753.79
3635070.44	3.98764		
502810.13	3635070.44	3.52543	502866.47
3635070.44	3.14001		
502922.81	3635070.44	2.81279	502979.15
3635070.44	2.53467		
503035.49	3635070.44	2.29768	503091.83
3635070.44	2.09220		
503148.17	3635070.44	1.91533	503204.51
3635070.44	1.76016		
503260.85	3635070.44	1.62373	503317.19
3635070.44	1.50313		
503373.53	3635070.44	1.39620	502303.07
3635100.64	10.99390		
502359.41	3635100.64	9.85765	502415.75
3635100.64	8.65765		
502472.09	3635100.64	7.52593	502528.43
3635100.64	6.53328		
502584.77	3635100.64	5.68262	502641.11
3635100.64	4.96148		
502753.79	3635100.64	3.83499	502810.13
3635100.64	3.40587		
502866.47	3635100.64	3.04595	502922.81
3635100.64	2.74143		
502979.15	3635100.64	2.47695	503035.49
3635100.64	2.25009		
503091.83	3635100.64	2.05313	503148.17
3635100.64	1.88197		

503204.51	3635100.64	1.73142	503260.85
3635100.64	1.59967		
503317.19	3635100.64	1.48242	503373.53
3635100.64	1.37868		
502303.07	3635130.84	9.65221	502359.41
3635130.84	8.77494		
502415.75	3635130.84	7.82799	502472.09
3635130.84	6.91389		
502528.43	3635130.84	6.07561	502584.77
3635130.84	5.33921		
502641.11	3635130.84	4.70318	502753.79
3635130.84	3.68301		
502810.13	3635130.84	3.28657	502866.47
3635130.84	2.95137		
502922.81	3635130.84	2.66571	502979.15
3635130.84	2.41629		
503035.49	3635130.84	2.19961	503091.83
3635130.84	2.01033		
503148.17	3635130.84	1.84716	503204.51
3635130.84	1.70166		
503260.85	3635130.84	1.57468	503317.19
3635130.84	1.46133		
503373.53	3635130.84	1.36067	502303.07
3635161.04	8.55746		
502359.41	3635161.04	7.86330	502415.75
3635161.04	7.12440		
502472.09	3635161.04	6.39559	502528.43
3635161.04	5.67170		

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 *** 12:46:26

PAGE 35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)		Y-COORD (M) CONC	CONC	X-COORD (M)

	502584.77	3635161.04	5.01369	502641.11
3635161.04		4.45199		
	502753.79	3635161.04	3.53276	502810.13
3635161.04		3.16703		
	502866.47	3635161.04	2.85155	502922.81
3635161.04		2.58867		
	502979.15	3635161.04	2.35339	503035.49
3635161.04		2.14699		
	503091.83	3635161.04	1.96776	503148.17
3635161.04		1.81124		
	503204.51	3635161.04	1.67162	503260.85
3635161.04		1.54908		
	503317.19	3635161.04	1.43918	503373.53
3635161.04		1.34159		
	502303.07	3635191.24	7.63679	502359.41
3635191.24		7.09394		
	502415.75	3635191.24	6.50990	502472.09
3635191.24		5.91801		
	502528.43	3635191.24	5.32262	502584.77
3635191.24		4.71034		
	502641.11	3635191.24	4.21501	502753.79
3635191.24		3.38630		
	502810.13	3635191.24	3.05138	502866.47
3635191.24		2.75684		
	502922.81	3635191.24	2.50956	502979.15
3635191.24		2.28862		
	503035.49	3635191.24	2.09389	503091.83
3635191.24		1.92384		
	503148.17	3635191.24	1.77384	503204.51
3635191.24		1.64018		
	503260.85	3635191.24	1.52187	503317.19
3635191.24		1.41608		
	503373.53	3635191.24	1.32155	502531.05
3633473.38		1.12918		
	502585.54	3633473.38	1.11223	502640.03
3633473.38		1.09329		
	502694.52	3633473.38	1.07323	502749.01
3633473.38		1.05254		
	502803.50	3633473.38	1.03163	502857.99
3633473.38		1.01101		
	502531.05	3633537.42	1.22025	502585.54
3633537.42		1.19936		
	502640.03	3633537.42	1.17789	502694.52

3633537.42	1.15474		
502749.01	3633537.42	1.13121	502803.50
3633537.42	1.10760		
502857.99	3633537.42	1.08438	502367.58
3633601.46	1.37591		
502422.07	3633601.46	1.36250	502476.56
3633601.46	1.34443		
502531.05	3633601.46	1.32359	502585.54
3633601.46	1.29956		
502640.03	3633601.46	1.27359	502367.58
3633633.48	1.43890		
502422.07	3633633.48	1.42418	502476.56
3633633.48	1.40394		
502531.05	3633633.48	1.38096	502585.54
3633633.48	1.35440		
502640.03	3633633.48	1.32617	502367.58
3633665.50	1.50566		
502422.07	3633665.50	1.48932	502476.56
3633665.50	1.46756		
502531.05	3633665.50	1.44193	502585.54
3633665.50	1.41288		
502640.03	3633665.50	1.38205	502422.07
3633697.52	1.55984		
502585.54	3633697.52	1.47545	502640.03
3633697.52	1.44202		
502422.07	3633729.54	1.63546	502585.54
3633729.54	1.54246		
502640.03	3633729.54	1.50608	502422.07
3633761.56	1.71811		
502585.54	3633761.56	1.61437	502640.03
3633761.56	1.57464		
502367.58	3633793.58	1.83378	502422.07
3633793.58	1.80690		
502585.54	3633793.58	1.69176	502640.03
3633793.58	1.64852		
502040.64	3633825.60	1.94724	502095.13
3633825.60	1.96499		

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 *** AERMET - VERSION 22112 *** ***
 *** 12:46:26

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010

```

, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -
502367.58	3633825.60	1.93386	502422.07
3633825.60	1.90255		
502585.54	3633825.60	1.77524	502640.03
3633825.60	1.72831		
502040.64	3633857.62	2.05802	502095.13
3633857.62	2.07940		
502422.07	3633857.62	2.00673	502585.54
3633857.62	1.86547		
502640.03	3633857.62	1.81415	502040.64
3633889.64	2.17885		
502095.13	3633889.64	2.20342	502422.07
3633889.64	2.12005		
502585.54	3633889.64	1.96304	502640.03
3633889.64	1.90693		
502040.64	3633921.66	2.31244	502095.13
3633921.66	2.33940		
502422.07	3633921.66	2.24473	502585.54
3633921.66	2.06878		
502640.03	3633921.66	2.00743	502040.64
3633953.68	2.45855		
502095.13	3633953.68	2.49051	502422.07
3633953.68	2.38098		
502585.54	3633953.68	2.18415	502640.03
3633953.68	2.11694		
502040.64	3633985.70	2.62075	502095.13
3633985.70	2.65874		
501768.19	3634017.72	2.36922	501822.68
3634017.72	2.47771		
501877.17	3634017.72	2.57951	501931.66
3634017.72	2.67002		
501986.15	3634017.72	2.74100	502040.64
3634017.72	2.80295		
502095.13	3634017.72	2.84752	501768.19
3634049.74	2.50723		

501822.68	3634049.74	2.63219	501877.17
3634049.74	2.74729		
501931.66	3634049.74	2.85195	501986.15
3634049.74	2.93631		
502040.64	3634049.74	3.00723	502095.13
3634049.74	3.05761		
502149.62	3634049.74	3.08339	501768.19
3634081.76	2.65077		
501822.68	3634081.76	2.79192	501877.17
3634081.76	2.92046		
501931.66	3634081.76	3.04515	501986.15
3634081.76	3.14766		
502040.64	3634081.76	3.22671	502095.13
3634081.76	3.27749		
502149.62	3634081.76	3.30143	501520.78
3634629.90	3.90907		
501511.26	3634708.76	4.00452	501509.90
3634738.67	4.03813		
501522.14	3634835.21	4.22432	501511.26
3634920.87	4.25914		
501511.26	3634952.15	4.56394	501516.70
3634990.22	4.50828		
503043.64	3634375.63	2.67959	503061.32
3634387.87	2.62254		
503087.15	3634382.43	2.51082	503103.47
3634385.15	2.45006		
503130.66	3634383.79	2.34737	503159.22
3634383.79	2.24708		
503182.33	3634381.07	2.16826	502909.03
3634272.29	2.95489		
502903.59	3634246.46	2.86839	502904.95
3634190.71	2.63417		
502903.59	3634158.08	2.50666	502904.95
3634126.81	2.38241		
502906.31	3634103.69	2.29346	502963.80
3634312.63	2.87700		
503013.88	3634311.43	2.67798	502947.51
3634269.80	2.80400		
502965.61	3634265.58	2.72508	503000.61
3634291.52	2.67823		
503023.53	3634327.11	2.67534	503037.41
3634331.34	2.62989		
503053.70	3634345.82	2.59223	503072.40
3634344.61	2.51884		
502211.77	3634864.08	93.37478	502115.94
3634941.62	39.98093		

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\enuno\OneDrive -
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*** AERMET - VERSION 22112 *** ***

*** 12:46:26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
502116.68	3634933.09	43.80681	502114.83
3634929.02	45.71631		
502115.20	3634920.87	50.20710	502115.20
3634914.94	53.89570		
502114.46	3634907.16	59.33887	502115.20
3634901.97	63.57580		
502115.20	3634893.82	71.09717	502140.77
3634893.08	73.21203		
502141.51	3634901.23	65.37687	502141.14
3634910.86	57.66661		
502141.14	3634922.72	49.94092	502141.14
3634933.09	44.41200		
502141.14	3634941.99	40.38474	502187.45
3634940.50	39.31635		
502186.71	3634927.17	45.22714	502187.82
3634918.27	49.80087		
502187.08	3634911.23	54.16601	502188.19
3634904.19	58.86807		
502187.82	3634898.63	63.27297	502187.08
3634891.59	69.71316		
502211.54	3634884.55	69.39811	502212.28
3634893.45	61.65946		
502212.65	3634903.82	54.33367	502215.24
3634913.08	48.47230		
502215.61	3634921.24	44.40062	502214.87

3634926.05	42.38563		
502214.13	3634934.21	39.20085	502214.13
3634941.99	36.41863		
502204.13	3634861.95	101.79984	502186.34
3634861.21	113.21348		
502173.74	3634860.84	119.00154	502155.96
3634861.95	120.43456		
502134.10	3634860.84	123.63995	502118.16
3634861.58	120.00321		
502085.18	3634862.32	108.72371	502070.73
3634863.06	100.26111		
502055.17	3634861.95	93.07129	502043.68
3634862.32	84.78603		
502031.46	3634861.95	76.50846	502021.08
3634861.95	68.91430		
502009.60	3634861.95	60.83384	501997.00
3634861.95	52.80971		
501981.43	3634866.40	43.10017	501973.65
3634868.99	39.19806		
502079.26	3634895.30	63.38582	502065.92
3634895.30	59.95043		
502053.32	3634897.89	54.58510	502041.83
3634895.30	52.87904		
502031.83	3634897.52	48.51520	502018.86
3634897.89	44.43195		
502007.74	3634894.93	42.33503	501994.77
3634897.89	37.48956		
501983.66	3634902.34	33.38160	501974.02
3634908.27	29.93167		
501981.43	3634920.87	28.61630	502003.67
3634919.01	33.14970		
502014.04	3634919.01	35.24605	502028.12
3634920.12	37.66119		
502042.94	3634917.90	41.42476	502051.47
3634918.27	42.89363		
502064.06	3634919.01	44.78569	502077.40
3634918.64	47.22225		
501921.78	3634897.89	22.18723	501909.55
3634907.90	19.71367		
501929.56	3634893.82	23.78296	501938.45
3634887.52	26.06911		
501949.20	3634879.74	29.54076	501959.20
3634875.29	32.99453		
501951.42	3634921.98	23.84488	501961.43
3634911.97	26.90718		

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 *** AERMET - VERSION 22112 *** ***
 *** 12:46:26

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)			X-COORD (METERS)
	501597.27	501630.05	501662.83
501695.61	501728.39		

3635213.4	98.73723 (21012023)	102.65559 (20122721)	118.58511 (20122721)
122.47106 (20070801)	138.83342 (20070802)		
3635200.1	98.94842 (21012023)	106.11139 (21012023)	118.90223 (20122721)
132.58715 (20070801)	140.17169 (20070802)		
3635186.9	102.12842 (20122320)	108.79150 (21012023)	118.36485 (21012023)
136.68199 (20070801)	141.03073 (20070801)		
3635173.6	102.79369 (20122320)	108.66777 (21012023)	125.47700 (20071201)
136.53377 (21110406)	142.27372 (20070801)		
3635160.4	102.58083 (19013101)	113.05691 (20122320)	138.00271 (20071201)
139.83659 (21072005)	138.78979 (20070801)		
3635147.1	108.24109 (19013101)	115.47473 (20122320)	148.49133 (19083024)
148.87151 (20071201)	135.07134 (21110406)		
3635133.9	110.70649 (19013101)	118.67368 (19013101)	157.45454 (19083024)
155.34287 (20071201)	138.74080 (20071201)		
3635120.6	110.53568 (21052423)	125.36598 (19013101)	162.22475 (19012005)
154.82479 (19083024)	149.26921 (20071201)		
3635107.4	112.48883 (21011719)	137.25090 (21052423)	156.13220 (19012005)
154.23811 (19012005)	155.08327 (20071201)		
3635094.1	127.01538 (21011719)	153.33809 (21052423)	155.23954 (21052423)
156.35529 (19012005)	158.51165 (19083024)		
3635080.9	139.49426 (21011719)	162.82219 (21052423)	156.31665 (21052423)
150.41824 (19012005)	166.73111 (19012005)		
3635067.6	147.97756 (21011719)	169.39911 (19111006)	147.61616 (21011719)
144.97044 (21052423)	139.22984 (19012005)		

3635054.4	164.39080 (19012720)	170.84723 (19111006)	155.41720 (21011719)
133.83845 (21011719)	120.29176 (20022207)		
3635041.1	177.59007 (19012720)	172.15060 (21011719)	146.08311 (21011719)
119.43978 (21011719)	110.53808 (20022207)		
3635027.9	177.57642 (19012720)	172.06149 (19012720)	113.15949 (21011719)
115.37667 (21011719)	113.15101 (21011719)		
3635014.6	171.33094 (20021924)	132.92732 (21011719)	109.86250 (21011719)
120.31177 (21011719)	123.86474 (21011719)		
3635001.4	146.67440 (20021924)	104.35079 (21011719)	105.44179 (21011719)
121.01232 (21011719)	131.02420 (21011719)		
3634988.1	105.50135 (19120120)	79.78395 (21011719)	97.52823 (21011719)
117.23646 (21011719)	133.58936 (21011719)		
3634974.9	86.42237 (19120120)	67.79488 (20021724)	86.85650 (21011719)
109.18621 (21011719)	130.89840 (21011719)		
3634961.6	77.60298 (19120120)	63.43208 (20021724)	74.51972 (20021724)
97.60606 (21011719)	122.94958 (21011719)		
3634948.4	72.71834 (21121021)	69.16181 (19050903)	70.24097 (19050903)
83.71140 (21011719)	110.46280 (21011719)		

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*** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)	501761.17	501793.95	501826.73
501859.51	501892.29		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

3635213.4	144.79906 (20070802)	157.39916 (19091321)	163.71640 (20042421)

159.64857 (20042421)	163.29947 (20110924)	
3635200.1 149.78504 (20070802)	158.03423 (19091321)	163.35731 (20042421)
168.04383 (20042421)	167.55922 (20110924)	
3635186.9 150.34958 (20070802)	154.42882 (19091321)	163.79040 (19091321)
174.60937 (20042421)	170.25277 (20110924)	
3635173.6 147.46724 (20070802)	151.09746 (20070802)	166.20732 (19091321)
179.18642 (20042421)	171.29963 (20110924)	
3635160.4 140.34335 (20070802)	151.31769 (20070802)	166.74712 (19091321)
181.58707 (20042421)	181.08078 (20042421)	
3635147.1 131.56962 (20070801)	143.70180 (20070802)	166.49541 (19091321)
182.09095 (19091321)	189.99015 (20042421)	
3635133.9 117.76781 (20122721)	126.76937 (20070802)	169.03292 (20070802)
187.58739 (19091321)	196.72502 (20042421)	
3635120.6 122.10550 (21012023)	119.62996 (20122721)	173.55121 (20070802)
190.38375 (19091321)	201.09091 (20042421)	
3635107.4 126.34484 (21012023)	119.29290 (21012023)	174.03725 (20070802)
190.30190 (19091321)	202.68527 (20042421)	
3635094.1 127.18406 (21012023)	125.32450 (21012023)	165.80028 (20070802)
189.29730 (20070802)	208.18895 (19091321)	
3635080.9 124.37624 (21012023)	125.06476 (21012023)	145.40202 (20122721)
188.83923 (20070802)	211.16678 (19091321)	
3635067.6 119.48800 (21012023)	128.44993 (21012023)	147.47975 (21012023)
184.10220 (20070802)	211.26355 (19091321)	
3635054.4 117.37747 (20022207)	131.22285 (21012023)	157.43172 (21012023)
177.86577 (20070801)	216.10323 (20070802)	
3635041.1 120.85470 (20022207)	129.86717 (21012023)	161.37050 (21012023)
174.58120 (20070801)	220.86785 (20070802)	
3635027.9 122.75883 (20022207)	131.40375 (20022207)	151.40649 (21012023)
170.52237 (21012023)	200.83161 (20070802)	
3635014.6 121.94185 (20022207)	135.81774 (20022207)	142.59885 (21012023)
163.85626 (21012023)	174.43038 (21012023)	
3635001.4 132.41570 (21011719)	137.55260 (20022207)	149.11258 (20022207)
165.24664 (21012023)	179.69887 (21012023)	
3634988.1 142.58433 (21011719)	141.42772 (21011719)	154.14540 (20022207)
165.99289 (21012023)	186.31317 (21012023)	
3634974.9 147.77611 (21011719)	155.30785 (21011719)	155.31995 (20022207)
171.09044 (20022207)	185.91723 (21012023)	
3634961.6 146.84092 (21011719)	163.93376 (21011719)	168.93285 (21011719)
176.64618 (20022207)	186.99204 (20022207)	
3634948.4 139.39163 (21011719)	165.55671 (21011719)	182.17195 (21011719)
183.47834 (21011719)	198.97250 (20022207)	

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 *** AERMET - VERSION 22112 ***
 *** 12:46:26

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002

, L0000003 , L0000004 , L0000005 ,

L0000006 , L0000007 , L0000008 , L0000009 , L0000010

, L0000011 , L0000012 , L0000013 ,

L0000014 , L0000015 , L0000016 , L0000017 , L0000018

, L0000019 , L0000020 , L0000021 ,

L0000022 , L0000023 , L0000024 , L0000025 , L0000026

, L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)				X-COORD (METERS)
502023.41	501925.07	502056.19	501957.85	501990.63

3635213.4	161.93111 (20091222)	156.43622 (20033120)	165.43912 (20101023)	
165.65016 (20101023)	170.75545 (19031924)			
3635200.1	164.58245 (20091222)	160.89603 (20091222)	169.31140 (20033120)	
172.85668 (20101023)	175.36365 (19031924)			
3635186.9	167.09144 (20110924)	169.00543 (20091222)	174.28107 (20033120)	
179.09687 (20101023)	179.18416 (19031924)			
3635173.6	175.49244 (20110924)	176.17486 (20091222)	178.49171 (20033120)	
184.45480 (20101023)	182.24191 (19031924)			
3635160.4	182.49572 (20110924)	182.23819 (20091222)	181.89219 (20033120)	
188.98189 (20101023)	184.59574 (19031924)			
3635147.1	187.67453 (20110924)	187.05562 (20091222)	184.45414 (20033120)	
192.67798 (20101023)	186.33185 (19031924)			
3635133.9	191.37869 (20110924)	190.51873 (20091222)	190.63275 (20091222)	
195.54786 (20101023)	188.31396 (19031924)			
3635120.6	195.24664 (20042421)	198.65030 (20110924)	199.54661 (20091222)	
200.37814 (20033120)	199.73652 (20101023)			
3635107.4	206.92793 (20042421)	206.94647 (20110924)	207.20895 (20091222)	
207.12616 (20033120)	210.21212 (20101023)			
3635094.1	216.17443 (20042421)	213.22330 (20110924)	213.25302 (20091222)	
211.63711 (20033120)	216.68562 (20101023)			
3635080.9	222.66074 (20042421)	217.02083 (20110924)	217.17219 (20091222)	
214.08988 (20033120)	221.08063 (20101023)			
3635067.6	226.46367 (20042421)	226.13694 (20042421)	226.01222 (20110924)	
220.94881 (20091222)	226.50014 (20101023)			
3635054.4	232.56474 (19091321)	238.40377 (20042421)	236.15571 (20110924)	
232.01299 (20091222)	231.84556 (20101023)			
3635041.1	237.40549 (19091321)	247.56720 (20042421)	243.65489 (20110924)	
240.84559 (20091222)	236.63955 (20101023)			

3635027.9	232.72893 (19091321)	249.69562 (20042421)	244.32916 (20042421)
239.35070 (20091222)	217.18563 (20033120)		
3635014.6	202.55543 (21121424)	228.79443 (19091321)	239.73705 (20042421)
210.34573 (20110924)	167.33284 (20120224)		
3635001.4	190.39755 (21121424)	218.29125 (21121424)	232.85112 (20042421)
203.56385 (19121706)	179.09322 (19120316)		
3634988.1	192.53977 (21012023)	223.96105 (21121424)	224.74567 (20042421)
212.72004 (19121706)	193.11183 (19120316)		
3634974.9	200.62081 (21012023)	217.17297 (21121424)	229.78267 (21121424)
219.41023 (19121706)	208.24361 (19120316)		
3634961.6	203.72208 (21012023)	210.17174 (21121424)	232.87145 (21121424)
221.93613 (19121706)	224.59802 (19120316)		
3634948.4	212.27790 (21012023)	221.90694 (21012023)	237.33744 (21121424)
226.28014 (19121706)	242.31179 (19120316)		

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*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD			X-COORD (METERS)
(METERS)	502088.97	502121.75	502154.53
502187.31	502220.09		

3635213.4	164.97417 (21081004)	157.67951 (19101219)	144.23915 (20071102)
110.11804 (20071102)	92.62923 (19122420)		
3635200.1	167.11765 (21081004)	158.59248 (19101219)	148.80944 (20071102)
114.18793 (20071102)	89.89727 (19122420)		
3635186.9	168.08147 (21081004)	162.04693 (19101219)	148.43280 (20071102)

118.51711	(20071102)	87.89762	(19122420)	
3635173.6		169.44433	(21081004)	141.21473 (20071102)
118.39828	(20071102)	84.24793	(19122420)	
3635160.4		170.37049	(20090823)	139.05554 (21012024)
118.43951	(20071102)	86.18198	(21013118)	
3635147.1		176.75507	(19031924)	141.18561 (21012024)
112.89929	(21012024)	91.37615	(21013118)	
3635133.9		182.23471	(19031924)	143.62165 (21012024)
112.45962	(21012024)	96.87917	(21013118)	
3635120.6		194.56948	(19031924)	143.96956 (21012024)
113.17694	(21012024)	102.52736	(21013118)	
3635107.4		205.12878	(19031924)	147.34421 (21012024)
114.38509	(21012024)	108.35114	(21013118)	
3635094.1		210.66293	(19031924)	147.84330 (21012024)
115.92966	(21012024)	114.38975	(21013118)	
3635080.9		213.64128	(19031924)	149.27089 (21012024)
119.14947	(21012024)	120.78220	(21013118)	
3635067.6		216.07878	(19031924)	154.29939 (21012024)
124.17544	(21012024)	127.44000	(21013118)	
3635054.4		222.93408	(19031924)	162.16869 (21012024)
129.94827	(21012024)	134.40339	(21013118)	
3635041.1		228.75684	(20101023)	170.51221 (21012024)
136.04642	(21012024)	141.72345	(21013118)	
3635027.9		204.12238	(20101023)	175.83506 (21012024)
142.53260	(21012024)	149.83287	(21013118)	
3635014.6		183.43731	(20120224)	183.08750 (21012024)
149.79284	(21012024)	158.55980	(21013118)	
3635001.4		181.91053	(20120224)	191.69306 (21012024)
157.89564	(21012024)	168.08976	(21013118)	
3634988.1		192.20095	(19120316)	201.46128 (21012024)
166.66655	(21012024)	178.56654	(21013118)	
3634974.9		211.01989	(19120316)	212.03816 (21012024)
175.85153	(21012024)	189.82069	(21013118)	
3634961.6		231.89362	(19120316)	224.12008 (21012024)
186.97020	(21012024)	202.21782	(21013118)	
3634948.4		254.94474	(19120316)	237.13592 (21012024)
200.66711	(21013118)	215.59185	(21013118)	

▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
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 *** AERMET - VERSION 22112 ***
 *** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010


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, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)

502252.87

3635213.4	82.86427 (21013118)
3635200.1	96.69877 (19122420)
3635186.9	92.60654 (19122420)
3635173.6	96.14074 (21013118)
3635160.4	99.31753 (21013118)
3635147.1	102.76908 (21013118)
3635133.9	106.76476 (21013118)
3635120.6	111.33805 (21013118)
3635107.4	116.17232 (21013118)
3635094.1	121.10854 (21013118)
3635080.9	126.19105 (21013118)
3635067.6	131.41365 (21013118)
3635054.4	136.81486 (21013118)
3635041.1	142.32633 (21013118)
3635027.9	148.06374 (21013118)
3635014.6	153.80452 (21013118)
3635001.4	159.41876 (21013118)
3634988.1	164.84218 (21013118)
3634974.9	169.81929 (21013118)
3634961.6	174.15606 (21013118)
3634948.4	181.47861 (20011620)

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*** AERMET - VERSION 22112 ***

*** 12:46:26

PAGE 43

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,

```

, L0000011      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000012      , L0000012      , L0000013      ,
, L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
, L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

501602.73	3635113.79	113.72886	(21052423)	502091.20
3634721.35	306.88455	(21020121)		
501723.95	3634830.54	114.01980	(21021102)	501655.97
3634810.14	99.13119	(21021102)		
501659.36	3634840.73	92.57798	(21021102)	501682.03
3634782.95	99.62737	(21021102)		
501615.18	3634804.48	88.83689	(21021102)	501713.75
3634792.01	113.32676	(21021102)		
501738.68	3634746.69	96.80141	(19083104)	502804.34
3635417.16	85.22882	(21122618)		
502842.81	3635417.98	74.01813	(20091421)	502881.29
3635418.80	72.60440	(19102623)		
502916.49	3635414.71	78.63476	(19102623)	502946.78
3635416.34	78.65777	(19102623)		
502812.52	3635466.28	88.20293	(21122618)	502802.70
3635530.95	77.53857	(21081602)		
502804.34	3635509.67	81.38856	(21122618)	502803.52
3635553.88	77.71022	(21090701)		
502881.29	3635525.22	79.07823	(21122618)	502923.86
3635526.04	68.38514	(21122618)		
502966.43	3635530.14	60.87980	(20091421)	502996.72
3635469.56	71.97468	(19102623)		
503003.27	3635421.26	71.46602	(19102623)	503514.45
3634924.92	27.03749	(20122119)		
503585.73	3634932.63	25.30379	(20122119)	503561.65
3634986.57	24.03008	(21101422)		
503547.20	3634944.19	25.05358	(20122119)	503568.39
3634877.73	28.26001	(21011518)		
503469.18	3634893.14	30.06950	(21011518)	503457.62
3634854.61	31.17936	(21011518)		
503469.18	3634854.61	31.58388	(21011518)	502528.43
3634617.44	136.25431	(21020122)		
502584.77	3634617.44	117.80808	(20011319)	502641.11

3634617.44	103.48413	(21010422)		
502697.45	3634617.44	92.31527	(21022220)	502753.79
3634617.44	82.21597	(21020523)		
502528.43	3634647.64	139.89519	(21010422)	502584.77
3634647.64	121.20794	(21022220)		
502641.11	3634647.64	105.53639	(21022220)	502697.45
3634647.64	93.76587	(19021120)		
502753.79	3634647.64	83.66903	(19021120)	502810.13
3634647.64	74.44845	(21010620)		
502866.47	3634647.64	68.27752	(21020307)	502922.81
3634647.64	62.32101	(21020307)		
502979.15	3634647.64	57.20543	(20010320)	503035.49
3634647.64	53.17438	(20010320)		
503091.83	3634647.64	49.35702	(20010320)	503148.17
3634647.64	45.73166	(20010320)		
503204.51	3634647.64	42.40804	(20010320)	503260.85
3634647.64	39.42047	(20120922)		
503317.19	3634647.64	37.17188	(20120922)	503373.53
3634647.64	35.05659	(20120922)		
502528.43	3634677.84	143.08561	(21022220)	502584.77
3634677.84	123.33717	(19021120)		
502641.11	3634677.84	106.76524	(20122520)	502697.45
3634677.84	94.54475	(21020307)		
502753.79	3634677.84	84.47181	(21020307)	502810.13
3634677.84	76.56379	(20010320)		
502866.47	3634677.84	69.68854	(20010320)	502922.81
3634677.84	63.40086	(20010320)		
502979.15	3634677.84	57.68586	(20010320)	503035.49
3634677.84	53.05922	(20120922)		
503091.83	3634677.84	49.25028	(20120922)	503148.17
3634677.84	45.69843	(20120922)		
503204.51	3634677.84	42.48487	(20120922)	503260.85
3634677.84	39.70002	(20121618)		
503317.19	3634677.84	37.49021	(20121618)	503373.53
3634677.84	35.44540	(20121618)		
502528.43	3634708.04	144.43306	(21010620)	502584.77
3634708.04	124.27625	(20010320)		
502641.11	3634708.04	109.64666	(20010320)	502697.45
3634708.04	96.64602	(20010320)		
502753.79	3634708.04	85.30611	(20010320)	502810.13
3634708.04	76.91741	(20120922)		
502866.47	3634708.04	69.57362	(20120922)	502922.81
3634708.04	63.20559	(20121618)		
502979.15	3634708.04	58.32463	(20121618)	503035.49
3634708.04	53.98121	(20121618)		
503091.83	3634708.04	50.09228	(20121618)	503148.17
3634708.04	46.53077	(20121618)		

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*** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
503204.51	3634708.04	43.38386	(20121618)	503260.85
3634708.04	40.58771	(20121618)		
503317.19	3634708.04	38.00616	(20121618)	503373.53
3634708.04	35.65752	(20121618)		
502528.43	3634738.24	146.07130	(20120922)	502584.77
3634738.24	125.84355	(20120922)		
502641.11	3634738.24	110.51100	(20121618)	502697.45
3634738.24	97.87810	(20121618)		
502810.13	3634738.24	78.32130	(20121618)	502866.47
3634738.24	70.62619	(20121618)		
502922.81	3634738.24	64.10531	(20121618)	502979.15
3634738.24	58.48548	(20121618)		
503035.49	3634738.24	53.57329	(20121618)	503091.83
3634738.24	49.28362	(20121618)		
503148.17	3634738.24	45.46019	(20121618)	503204.51
3634738.24	42.11867	(20121618)		
503260.85	3634738.24	39.17477	(20121618)	503317.19
3634738.24	36.58174	(21010219)		
503373.53	3634738.24	34.38341	(21010219)	502528.43
3634768.44	146.07405	(21010219)		
502584.77	3634768.44	124.88070	(21010219)	502641.11
3634768.44	108.38995	(21010219)		
502697.45	3634768.44	95.13948	(21010219)	502810.13
3634768.44	75.45857	(21010219)		

502866.47	3634768.44	67.97599	(21010219)	502922.81
3634768.44	61.69747	(21010219)		
502979.15	3634768.44	56.36289	(21010219)	503035.49
3634768.44	51.71973	(21010219)		
503091.83	3634768.44	47.69727	(21010219)	503148.17
3634768.44	44.15041	(21010219)		
503204.51	3634768.44	41.05201	(21010219)	503260.85
3634768.44	38.29715	(21010219)		
503317.19	3634768.44	35.83122	(21010219)	503373.53
3634768.44	33.61963	(21010219)		
502528.43	3634798.64	138.63484	(21011518)	502584.77
3634798.64	118.70025	(21011518)		
502641.11	3634798.64	103.03912	(21011518)	502697.45
3634798.64	90.39462	(21011518)		
502810.13	3634798.64	71.51422	(21011518)	502866.47
3634798.64	64.34397	(21011518)		
502922.81	3634798.64	58.39999	(20020719)	502979.15
3634798.64	53.41606	(20020719)		
503035.49	3634798.64	49.01316	(20020719)	503091.83
3634798.64	45.25758	(20020719)		
503148.17	3634798.64	41.93989	(20020719)	503204.51
3634798.64	39.01969	(20020719)		
503260.85	3634798.64	36.41069	(20020719)	503317.19
3634798.64	34.08070	(20020719)		
503373.53	3634798.64	31.98848	(20020719)	502303.07
3634828.84	296.52244	(21020220)		
502359.41	3634828.84	231.99305	(21020220)	502415.75
3634828.84	181.11152	(21020220)		
502472.09	3634828.84	145.62366	(20122119)	502528.43
3634828.84	128.46274	(21011518)		
502584.77	3634828.84	112.84695	(21011518)	502641.11
3634828.84	99.86177	(21011518)		
502697.45	3634828.84	88.99793	(21011518)	502810.13
3634828.84	72.04909	(21011518)		
502866.47	3634828.84	65.38631	(21011518)	502922.81
3634828.84	59.59466	(21011518)		
502979.15	3634828.84	54.65989	(21011518)	503035.49
3634828.84	50.33006	(21011518)		
503091.83	3634828.84	46.55036	(21011518)	503148.17
3634828.84	43.17717	(21011518)		
503204.51	3634828.84	40.18370	(21011518)	503260.85
3634828.84	37.50412	(21011518)		
503317.19	3634828.84	35.09741	(21011518)	503373.53
3634828.84	32.88734	(21011518)		
502303.07	3634859.04	225.16336	(21020220)	502359.41
3634859.04	206.28902	(21020220)		
502415.75	3634859.04	179.52086	(21020220)	502472.09
3634859.04	152.17339	(21020220)		
502528.43	3634859.04	127.18668	(21020220)	502584.77
3634859.04	105.64263	(21020220)		

502641.11	3634859.04	90.06997	(21101422)	502697.45
3634859.04	78.05774	(20122119)		
502810.13	3634859.04	65.65881	(21011518)	502866.47
3634859.04	60.65956	(21011518)		
502922.81	3634859.04	56.09480	(21011518)	502979.15
3634859.04	52.08490	(21011518)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
503035.49	3634859.04	48.45775	(21011518)	503091.83
3634859.04	45.22845	(21011518)		
503148.17	3634859.04	42.30469	(21011518)	503204.51
3634859.04	39.64296	(21011518)		
503260.85	3634859.04	37.21866	(21011518)	503317.19
3634859.04	34.95811	(21011518)		
503373.53	3634859.04	33.03253	(21011518)	502303.07
3634889.24	214.46789	(21012617)		
502359.41	3634889.24	143.03525	(20082303)	502415.75
3634889.24	142.77612	(21020220)		
502472.09	3634889.24	135.17100	(21020220)	502528.43
3634889.24	122.76877	(21020220)		
502584.77	3634889.24	108.69879	(21020220)	502641.11
3634889.24	94.79255	(21020220)		
502697.45	3634889.24	81.93346	(21020220)	502753.79

3634889.24	71.37997	(21101422)	
502810.13	3634889.24	63.10862	(21101422) 502866.47
3634889.24	55.80449	(21101422)	
502922.81	3634889.24	49.64308	(20122119) 502979.15
3634889.24	46.58404	(20122119)	
503035.49	3634889.24	43.74578	(20122119) 503091.83
3634889.24	41.23364	(21011518)	
503148.17	3634889.24	39.04710	(21011518) 503204.51
3634889.24	36.99069	(21011518)	
503260.85	3634889.24	35.01500	(21011518) 503317.19
3634889.24	33.22644	(21011518)	
503373.53	3634889.24	31.55118	(21011518) 502303.07
3634919.44	206.30156	(21012617)	
502359.41	3634919.44	148.00492	(21012617) 502415.75
3634919.44	97.56672	(20082303)	
502472.09	3634919.44	100.73456	(21020220) 502528.43
3634919.44	101.57452	(21020220)	
502584.77	3634919.44	97.52389	(21020220) 502641.11
3634919.44	90.63576	(21020220)	
502303.07	3634949.64	180.13505	(20011620) 502359.41
3634949.64	157.00896	(21012617)	
502415.75	3634949.64	105.29848	(21012617) 502472.09
3634949.64	69.85690	(21071520)	
502528.43	3634949.64	73.66730	(20082303) 502584.77
3634949.64	76.91875	(21020220)	
502641.11	3634949.64	77.16631	(21020220) 502753.79
3634949.64	70.50019	(21020220)	
502810.13	3634949.64	65.31455	(21020220) 502866.47
3634949.64	59.83133	(21020220)	
502922.81	3634949.64	54.23816	(21020220) 502979.15
3634949.64	48.96805	(21020220)	
503035.49	3634949.64	44.30426	(21101422) 503091.83
3634949.64	40.73067	(21101422)	
503148.17	3634949.64	37.39888	(21101422) 503204.51
3634949.64	34.29019	(21101422)	
503260.85	3634949.64	31.36567	(21101422) 503317.19
3634949.64	29.17468	(21101422)	
503373.53	3634949.64	26.43213	(21090306) 502303.07
3634979.84	160.84242	(20011620)	
502359.41	3634979.84	148.64098	(21012617) 502415.75
3634979.84	118.72345	(21012617)	
502472.09	3634979.84	77.22957	(21012617) 502528.43
3634979.84	56.09792	(21071520)	
502584.77	3634979.84	56.66672	(20082303) 502641.11
3634979.84	58.90549	(21020220)	
502303.07	3635010.04	136.67583	(20011620) 502359.41
3635010.04	129.63544	(20011620)	
502415.75	3635010.04	120.94322	(21012617) 502472.09
3635010.04	90.65391	(21012617)	
502528.43	3635010.04	61.10865	(21071520) 502584.77

3635010.04	46.24044	(21071520)		
502641.11	3635010.04	44.26887	(20082303)	502753.79
3635010.04	48.75376	(21020220)		
502810.13	3635010.04	50.15316	(21020220)	502866.47
3635010.04	50.11057	(21020220)		
502922.81	3635010.04	49.03065	(21020220)	502979.15
3635010.04	47.16214	(21020220)		
503035.49	3635010.04	44.75336	(21020220)	503091.83
3635010.04	42.04812	(21020220)		
503148.17	3635010.04	39.23335	(21020220)	503204.51
3635010.04	36.38154	(21020220)		
503260.85	3635010.04	33.57325	(21020220)	503317.19
3635010.04	30.99305	(21101422)		
503373.53	3635010.04	29.09462	(21101422)	502303.07
3635040.24	112.63417	(20011620)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
502359.41	3635040.24	121.54518	(20011620)	502415.75
3635040.24	113.24267	(21012617)		
502472.09	3635040.24	97.00048	(21012617)	502528.43
3635040.24	70.03157	(21012617)		
502584.77	3635040.24	50.63259	(21071520)	502641.11
3635040.24	38.88869	(21071520)		

502753.79	3635040.24	38.55584	(20082303)	502810.13
3635040.24	40.36847	(20082303)		
502866.47	3635040.24	41.14801	(21020220)	502922.81
3635040.24	42.07745	(21020220)		
502979.15	3635040.24	42.05128	(21020220)	503035.49
3635040.24	41.26503	(21020220)		
503091.83	3635040.24	39.91469	(21020220)	503148.17
3635040.24	38.19544	(21020220)		
503204.51	3635040.24	36.21740	(21020220)	503260.85
3635040.24	34.08413	(21020220)		
503317.19	3635040.24	31.90225	(21020220)	503373.53
3635040.24	29.88259	(21020220)		
502303.07	3635070.44	99.40325	(21013118)	502359.41
3635070.44	108.57238	(20011620)		
502415.75	3635070.44	99.61672	(21012617)	502472.09
3635070.44	96.29487	(21012617)		
502528.43	3635070.44	77.87297	(21012617)	502584.77
3635070.44	55.05469	(21012617)		
502641.11	3635070.44	42.73897	(21071520)	502753.79
3635070.44	28.16669	(20082303)		
502810.13	3635070.44	31.57404	(20082303)	502866.47
3635070.44	33.85585	(20082303)		
502922.81	3635070.44	34.82160	(20082303)	502979.15
3635070.44	35.29479	(21020220)		
503035.49	3635070.44	35.95482	(21020220)	503091.83
3635070.44	35.92641	(21020220)		
503148.17	3635070.44	35.38310	(21020220)	503204.51
3635070.44	34.40718	(21020220)		
503260.85	3635070.44	33.12128	(21020220)	503317.19
3635070.44	31.62090	(21020220)		
503373.53	3635070.44	29.99055	(21020220)	502303.07
3635100.64	99.41206	(21013118)		
502359.41	3635100.64	93.51789	(20011620)	502415.75
3635100.64	95.41052	(20011620)		
502472.09	3635100.64	89.73068	(21012617)	502528.43
3635100.64	80.78468	(21012617)		
502584.77	3635100.64	62.92252	(21012617)	502641.11
3635100.64	44.71111	(21071520)		
502753.79	3635100.64	28.76595	(21071520)	502810.13
3635100.64	22.89611	(20082303)		
502866.47	3635100.64	26.05580	(20082303)	502922.81
3635100.64	28.48163	(20082303)		
502979.15	3635100.64	29.92651	(20082303)	503035.49
3635100.64	30.36049	(20082303)		
503091.83	3635100.64	30.71579	(21020220)	503148.17
3635100.64	31.19675	(21020220)		
503204.51	3635100.64	31.17769	(21020220)	503260.85
3635100.64	30.77311	(21020220)		
503317.19	3635100.64	30.06136	(21020220)	503373.53
3635100.64	29.12800	(21020220)		

502303.07	3635130.84	98.26698	(21013118)	502359.41
3635130.84	78.18700	(20011620)		
502415.75	3635130.84	88.06093	(20011620)	502472.09
3635130.84	79.22188	(20011620)		
502528.43	3635130.84	78.95019	(21012617)	502584.77
3635130.84	67.47859	(21012617)		
502641.11	3635130.84	51.18853	(21012617)	502753.79
3635130.84	31.69145	(21071520)		
502810.13	3635130.84	25.35388	(21071520)	502866.47
3635130.84	19.56744	(21071520)		
502922.81	3635130.84	21.67286	(20082303)	502979.15
3635130.84	24.04599	(20082303)		
503035.49	3635130.84	25.72310	(20082303)	503091.83
3635130.84	26.59990	(20082303)		
503148.17	3635130.84	26.70681	(20082303)	503204.51
3635130.84	26.99116	(21020220)		
503260.85	3635130.84	27.39464	(21020220)	503317.19
3635130.84	27.41319	(21020220)		
503373.53	3635130.84	27.17319	(21020220)	502303.07
3635161.04	97.58480	(21013118)		
502359.41	3635161.04	63.59406	(20011620)	502415.75
3635161.04	78.12589	(20011620)		
502472.09	3635161.04	82.14333	(20011620)	502528.43
3635161.04	73.65992	(21012617)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)	
502584.77	3635161.04	68.42520	(21012617)
3635161.04	56.30607	(21012617)	502641.11
502753.79	3635161.04	33.83367	(21071520)
3635161.04	28.41695	(21071520)	502810.13
502866.47	3635161.04	23.50496	(21071520)
3635161.04	17.53400	(21071520)	502922.81
502979.15	3635161.04	18.15363	(20082303)
3635161.04	20.38247	(20082303)	503035.49
503091.83	3635161.04	22.13509	(20082303)
3635161.04	23.28610	(20082303)	503148.17
503204.51	3635161.04	23.85805	(20082303)
3635161.04	23.68426	(20082303)	503260.85
503317.19	3635161.04	24.22954	(20082303)
3635161.04	24.31659	(21020220)	503373.53
502303.07	3635191.24	93.64895	(21013118)
3635191.24	67.57084	(21013118)	502359.41
502415.75	3635191.24	67.17163	(20011620)
3635191.24	77.51629	(20011620)	502472.09
502528.43	3635191.24	79.91128	(20011620)
3635191.24	66.12842	(21012617)	502584.77
502641.11	3635191.24	58.85539	(21012617)
3635191.24	35.33459	(21012617)	502753.79
502810.13	3635191.24	30.19235	(21071520)
3635191.24	26.51767	(21071520)	502866.47
502922.81	3635191.24	19.90319	(21071520)
3635191.24	15.79202	(21071520)	502979.15
503035.49	3635191.24	15.29423	(20082303)
3635191.24	17.34956	(20082303)	503091.83
503148.17	3635191.24	19.09177	(20082303)
3635191.24	20.40503	(20082303)	503204.51
503260.85	3635191.24	21.24795	(20082303)
3635191.24	22.46588	(20082303)	503317.19
503373.53	3635191.24	21.70736	(20082303)
3633473.38	26.62552	(21022105)	502531.05
502585.54	3633473.38	24.73253	(20022403)
3633473.38	23.72207	(20050805)	502640.03
502694.52	3633473.38	22.25428	(20050805)
3633473.38	22.52115	(20110505)	502749.01
502803.50	3633473.38	23.91623	(21022020)
3633473.38	24.61028	(21022020)	502857.99
502531.05	3633537.42	27.69996	(21022105)
3633537.42	25.50610	(20022403)	502585.54
502640.03	3633537.42	24.86983	(20050805)
3633537.42	24.09765	(20110505)	502694.52
502749.01	3633537.42	24.65203	(21022020)
3633537.42	26.30209	(21022020)	502803.50
502857.99	3633537.42	26.62715	(21120804)
			502367.58

3633601.46	28.03169	(21013120)		
502422.07	3633601.46	29.20903	(21022105)	502476.56
3633601.46	30.71051	(21022105)		
502531.05	3633601.46	28.61411	(20022403)	502585.54
3633601.46	27.19340	(20050805)		
502640.03	3633601.46	25.58280	(20050805)	502367.58
3633633.48	29.00414	(21013120)		
502422.07	3633633.48	30.79243	(21022105)	502476.56
3633633.48	31.70405	(21022105)		
502531.05	3633633.48	29.38272	(20022403)	502585.54
3633633.48	28.06721	(20050805)		
502640.03	3633633.48	26.65369	(20110505)	502367.58
3633665.50	29.94871	(21013120)		
502422.07	3633665.50	32.34146	(21022105)	502476.56
3633665.50	32.61862	(21022105)		
502531.05	3633665.50	30.02102	(20022403)	502585.54
3633665.50	28.81950	(20050805)		
502640.03	3633665.50	27.84595	(20110505)	502422.07
3633697.52	33.92962	(21022105)		
502585.54	3633697.52	29.42909	(20050805)	502640.03
3633697.52	28.91902	(20110505)		
502422.07	3633729.54	35.49488	(21022105)	502585.54
3633729.54	29.86503	(20050805)		
502640.03	3633729.54	29.91926	(21022020)	502422.07
3633761.56	37.09535	(21022105)		
502585.54	3633761.56	31.19494	(20110505)	502640.03
3633761.56	32.41005	(21022020)		
502367.58	3633793.58	36.15206	(21022105)	502422.07
3633793.58	38.61803	(21022105)		
502585.54	3633793.58	32.69483	(20110505)	502640.03
3633793.58	34.80104	(21022020)		
502040.64	3633825.60	35.10386	(20050102)	502095.13
3633825.60	37.01185	(20032924)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026

, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
502367.58	3633825.60	38.47641	(21022105)	502422.07
3633825.60	40.03445	(21022105)		
502585.54	3633825.60	34.01182	(20110505)	502640.03
3633825.60	37.00463	(21022020)		
502040.64	3633857.62	36.48844	(20050102)	502095.13
3633857.62	38.55872	(20032924)		
502422.07	3633857.62	41.35829	(21022105)	502585.54
3633857.62	36.41439	(21022020)		
502640.03	3633857.62	38.88352	(21022020)	502040.64
3633889.64	37.93181	(20050102)		
502095.13	3633889.64	40.14789	(20032924)	502422.07
3633889.64	42.53158	(21022105)		
502585.54	3633889.64	39.46140	(21022020)	502640.03
3633889.64	40.77767	(21120804)		
502040.64	3633921.66	39.47718	(20050102)	502095.13
3633921.66	41.86098	(21020203)		
502422.07	3633921.66	43.56622	(21022105)	502585.54
3633921.66	42.27474	(21022020)		
502640.03	3633921.66	43.19398	(21120804)	502040.64
3633953.68	41.07021	(20050102)		
502095.13	3633953.68	43.83879	(21020203)	502422.07
3633953.68	44.82119	(20022403)		
502585.54	3633953.68	44.73584	(21022020)	502640.03
3633953.68	45.05215	(21120804)		
502040.64	3633985.70	42.76197	(20050102)	502095.13
3633985.70	45.99057	(21020203)		
501768.19	3634017.72	37.26839	(20102407)	501822.68
3634017.72	40.32043	(20102407)		
501877.17	3634017.72	37.76988	(20111701)	501931.66
3634017.72	40.82974	(19110606)		
501986.15	3634017.72	44.10189	(19110606)	502040.64
3634017.72	44.59802	(20050102)		
502095.13	3634017.72	48.35744	(21020203)	501768.19
3634049.74	38.72983	(21063005)		
501822.68	3634049.74	42.25594	(20102407)	501877.17
3634049.74	40.77142	(20102407)		
501931.66	3634049.74	41.81987	(19110606)	501986.15
3634049.74	46.52784	(19110606)		

502040.64	3634049.74	46.55576	(20050102)	502095.13
3634049.74	50.88664	(21020203)		
502149.62	3634049.74	51.62324	(20032924)	501768.19
3634081.76	42.32261	(20121603)		
501822.68	3634081.76	43.61882	(20102407)	501877.17
3634081.76	43.76357	(20102407)		
501931.66	3634081.76	42.45740	(19110606)	501986.15
3634081.76	48.82917	(19110606)		
502040.64	3634081.76	48.35966	(20050102)	502095.13
3634081.76	53.16713	(21020203)		
502149.62	3634081.76	53.66126	(20032924)	501520.78
3634629.90	55.44349	(21012320)		
501511.26	3634708.76	54.51770	(19083104)	501509.90
3634738.67	49.88492	(19083104)		
501522.14	3634835.21	71.33024	(21021102)	501511.26
3634920.87	92.44918	(20021521)		
501511.26	3634952.15	151.73839	(21121021)	501516.70
3634990.22	153.21635	(19110921)		
503043.64	3634375.63	45.72544	(21020122)	503061.32
3634387.87	46.88307	(21020122)		
503087.15	3634382.43	45.61347	(21020122)	503103.47
3634385.15	45.10181	(21020122)		
503130.66	3634383.79	43.71621	(21020122)	503159.22
3634383.79	42.08605	(21020122)		
503182.33	3634381.07	40.69111	(21020122)	502909.03
3634272.29	48.76004	(20020722)		
502903.59	3634246.46	49.20923	(20020722)	502904.95
3634190.71	46.53955	(21020424)		
502903.59	3634158.08	44.81220	(21020424)	502904.95
3634126.81	42.67512	(19120524)		
502906.31	3634103.69	41.36156	(20021602)	502963.80
3634312.63	49.71431	(19012124)		
503013.88	3634311.43	47.14889	(21121223)	502947.51
3634269.80	47.15392	(20021502)		
502965.61	3634265.58	46.04267	(20021502)	503000.61
3634291.52	47.10282	(19012124)		
503023.53	3634327.11	46.74028	(21121223)	503037.41
3634331.34	45.50538	(21022221)		
503053.70	3634345.82	45.04266	(21022221)	503072.40
3634344.61	43.78021	(21022221)		
502211.77	3634864.08	350.40555	(21013118)	502115.94
3634941.62	257.67974	(19120316)		

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
502116.68	3634933.09	277.08601	(19120316)	502114.83
3634929.02	288.56423	(19120316)		
502115.20	3634920.87	309.64680	(19120316)	502115.20
3634914.94	326.15697	(19120316)		
502114.46	3634907.16	349.28715	(19120316)	502115.20
3634901.97	365.17554	(19120316)		
502115.20	3634893.82	391.66900	(19120316)	502140.77
3634893.08	373.58996	(19120316)		
502141.51	3634901.23	341.01183	(19120316)	502141.14
3634910.86	308.17847	(19120316)		
502141.14	3634922.72	271.58456	(19120316)	502141.14
3634933.09	246.58679	(21012024)		
502141.14	3634941.99	238.04615	(21012024)	502187.45
3634940.50	210.42134	(21013118)		
502186.71	3634927.17	227.80240	(21013118)	502187.82
3634918.27	242.57230	(21013118)		
502187.08	3634911.23	253.56168	(21013118)	502188.19
3634904.19	267.52548	(21013118)		
502187.82	3634898.63	277.94618	(21013118)	502187.08
3634891.59	291.88703	(21013118)		
502211.54	3634884.55	310.99326	(21013118)	502212.28
3634893.45	294.30571	(21013118)		
502212.65	3634903.82	276.68283	(21013118)	502215.24
3634913.08	260.92895	(21013118)		
502215.61	3634921.24	249.37112	(21013118)	502214.87
3634926.05	243.28351	(21013118)		
502214.13	3634934.21	232.97632	(21013118)	502214.13
3634941.99	223.53028	(21013118)		
502204.13	3634861.95	368.13516	(21013118)	502186.34

3634861.21	369.27815	(21013118)		
502173.74	3634860.84	407.60716	(19120316)	502155.96
3634861.95	479.82974	(19120316)		
502134.10	3634860.84	520.47821	(19120316)	502118.16
3634861.58	509.33898	(19120316)		
502085.18	3634862.32	452.95724	(19120316)	502070.73
3634863.06	422.73228	(19120316)		
502055.17	3634861.95	395.73937	(19120316)	502043.68
3634862.32	399.34272	(21011719)		
502031.46	3634861.95	409.27610	(21011719)	502021.08
3634861.95	413.13481	(21011719)		
502009.60	3634861.95	415.45943	(21011719)	501997.00
3634861.95	415.23862	(21011719)		
501981.43	3634866.40	389.73902	(21011719)	501973.65
3634868.99	375.82476	(21011719)		
502079.26	3634895.30	360.60498	(19120316)	502065.92
3634895.30	343.63108	(19120316)		
502053.32	3634897.89	320.69297	(19120316)	502041.83
3634895.30	306.06942	(19120316)		
502031.83	3634897.52	292.92433	(21121424)	502018.86
3634897.89	286.13544	(21012023)		
502007.74	3634894.93	300.48533	(21012023)	501994.77
3634897.89	296.68577	(21012023)		
501983.66	3634902.34	288.55222	(21012023)	501974.02
3634908.27	276.75393	(21012023)		
501981.43	3634920.87	260.35258	(21012023)	502003.67
3634919.01	260.75937	(21121424)		
502014.04	3634919.01	261.78644	(21121424)	502028.12
3634920.12	259.03946	(21121424)		
502042.94	3634917.90	271.11339	(19120316)	502051.47
3634918.27	282.39948	(19120316)		
502064.06	3634919.01	295.41780	(19120316)	502077.40
3634918.64	308.08050	(19120316)		
501921.78	3634897.89	274.98621	(21011719)	501909.55
3634907.90	252.86731	(21011719)		
501929.56	3634893.82	286.96175	(21011719)	501938.45
3634887.52	305.89089	(21011719)		
501949.20	3634879.74	327.51357	(21011719)	501959.20
3634875.29	346.44770	(21011719)		
501951.42	3634921.98	249.19658	(21012023)	501961.43
3634911.97	265.67111	(21012023)		

▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
 Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24
 *** AERMET - VERSION 22112 ***
 *** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304

HRS) RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL	1ST HIGHEST VALUE IS	123.63995 AT (	502134.10,	3634860.84,	109.52,
109.52,	0.00) DC				
	2ND HIGHEST VALUE IS	120.43456 AT (	502155.96,	3634861.95,	109.66,
109.66,	0.00) DC				
	3RD HIGHEST VALUE IS	120.00321 AT (	502118.16,	3634861.58,	109.42,
109.42,	0.00) DC				
	4TH HIGHEST VALUE IS	119.00154 AT (	502173.74,	3634860.84,	109.79,
109.79,	0.00) DC				
	5TH HIGHEST VALUE IS	114.08114 AT (	502091.20,	3634721.35,	108.22,
108.22,	0.00) DC				
	6TH HIGHEST VALUE IS	113.21348 AT (	502186.34,	3634861.21,	109.88,
109.88,	0.00) DC				
	7TH HIGHEST VALUE IS	108.72371 AT (	502085.18,	3634862.32,	109.24,
109.24,	0.00) DC				
	8TH HIGHEST VALUE IS	101.79984 AT (	502204.13,	3634861.95,	109.93,
109.93,	0.00) DC				
	9TH HIGHEST VALUE IS	100.26111 AT (	502070.73,	3634863.06,	109.70,
109.70,	0.00) DC				
	10TH HIGHEST VALUE IS	93.37478 AT (	502211.77,	3634864.08,	109.91,
109.91,	0.00) DC				

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24

*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	AVERAGE CONC	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL HIGH 1ST HIGH VALUE IS 520.47821 ON 19120316: AT (502134.10,
3634860.84, 109.52, 109.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 23132 *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Santee_CommCtr_Co *** 02/05/24
*** AERMET - VERSION 22112 ***
*** 12:46:26

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*** MODELOPTs: RegDFault CONC ELEV URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 5244 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 4177 Calm Hours Identified

A Total of 1067 Missing Hours Identified (4.06 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
MX W403 570 PFLCNV: Turbulence data is being used w/o ADJ_U* option
SigA Data

```
*****  
*** AERMOD Finishes Successfully ***  
*****
```

HARP2 - HRACalc (dated 22118) 2/5/2024 4:26:08 PM - Output Log - Unmitigated

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.13

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.13
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: ON

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Warm

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\enuno\OneDrive -

Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\enuno\OneDrive -

Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\enuno\OneDrive -

Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_NCAcuteRiskSumByRec.csv

HRA ran successfully

*HARP - HRACalc v22118 2/5/2024 4:26:08 PM - Cancer Risk - Input File: C:\Users\jenuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_HRAInput.hra																		
REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
954	ALL		502134.1	3634861	3.86E-05	1.13YrCanc	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL		502156	3634862	3.76E-05	1.13YrCanc	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL		502118.2	3634862	3.75E-05	1.13YrCanc	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL		502173.7	3634861	3.72E-05	1.13YrCanc	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL		502091.2	3634721	3.56E-05	1.13YrCanc	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL		502186.3	3634861	3.54E-05	1.13YrCanc	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL		502085.2	3634862	3.40E-05	1.13YrCanc	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL		502204.1	3634862	3.18E-05	1.13YrCanc	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL		502070.7	3634863	3.13E-05	1.13YrCanc	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL		502211.8	3634864	2.92E-05	1.13YrCanc	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL		502055.2	3634862	2.91E-05	1.13YrCanc	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL		502043.7	3634862	2.65E-05	1.13YrCanc	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL		502031.5	3634862	2.39E-05	1.13YrCanc	2.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL		502140.8	3634893	2.29E-05	1.13YrCanc	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL		502115.2	3634894	2.22E-05	1.13YrCanc	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL		502187.1	3634892	2.18E-05	1.13YrCanc	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL		502211.5	3634885	2.17E-05	1.13YrCanc	2.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL		502021.1	3634862	2.15E-05	1.13YrCanc	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL		502141.5	3634901	2.04E-05	1.13YrCanc	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL		502115.2	3634902	1.99E-05	1.13YrCanc	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL		502079.3	3634895	1.98E-05	1.13YrCanc	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL		502187.8	3634899	1.98E-05	1.13YrCanc	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL		502212.3	3634893	1.93E-05	1.13YrCanc	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL		502009.6	3634862	1.90E-05	1.13YrCanc	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL		502065.9	3634895	1.87E-05	1.13YrCanc	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL		502114.5	3634907	1.85E-05	1.13YrCanc	1.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL		502188.2	3634904	1.84E-05	1.13YrCanc	1.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL		502141.1	3634911	1.80E-05	1.13YrCanc	1.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL		502053.3	3634898	1.71E-05	1.13YrCanc	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL		502212.7	3634904	1.70E-05	1.13YrCanc	1.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL		502187.1	3634911	1.69E-05	1.13YrCanc	1.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL		502115.2	3634915	1.68E-05	1.13YrCanc	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL		502041.8	3634895	1.65E-05	1.13YrCanc	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL		501997	3634862	1.65E-05	1.13YrCanc	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL		502115.2	3634921	1.57E-05	1.13YrCanc	1.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL		502141.1	3634923	1.56E-05	1.13YrCanc	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL		502303.1	3634829	1.56E-05	1.13YrCanc	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL		502187.8	3634918	1.56E-05	1.13YrCanc	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL		502031.8	3634898	1.52E-05	1.13YrCanc	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL		502215.2	3634913	1.51E-05	1.13YrCanc	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL		502077.4	3634919	1.48E-05	1.13YrCanc	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL		502114.8	3634929	1.43E-05	1.13YrCanc	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL		502186.7	3634927	1.41E-05	1.13YrCanc	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL		502064.1	3634919	1.40E-05	1.13YrCanc	1.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL		502018.9	3634898	1.39E-05	1.13YrCanc	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL		502141.1	3634933	1.39E-05	1.13YrCanc	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL		502215.6	3634921	1.39E-05	1.13YrCanc	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL		502116.7	3634933	1.37E-05	1.13YrCanc	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL		501981.4	3634866	1.35E-05	1.13YrCanc	1.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL		502303.1	3634859	1.34E-05	1.13YrCanc	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL		502051.5	3634918	1.34E-05	1.13YrCanc	1.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL		502214.9	3634926	1.32E-05	1.13YrCanc	1.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL		502007.7	3634895	1.32E-05	1.13YrCanc												

62	ALL	UCART1	502220.1	3634975	8.40E-06	1.13YrCanc	8.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	UCART1	501961.4	3634912	8.41E-06	1.13YrCanc	8.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	UCART1	502154.5	3634988	8.24E-06	1.13YrCanc	8.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	UCART1	502121.8	3634988	8.19E-06	1.13YrCanc	8.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	UCART1	501938.5	3634888	8.15E-06	1.13YrCanc	8.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	UCART1	502056.2	3634975	8.14E-06	1.13YrCanc	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL	UCART1	502023.4	3634962	8.11E-06	1.13YrCanc	8.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	UCART1	502187.3	3634988	8.05E-06	1.13YrCanc	8.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	UCART1	502089	3634988	7.89E-06	1.13YrCanc	7.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	UCART1	502252.9	3634975	7.84E-06	1.13YrCanc	7.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL	UCART1	501990.6	3634948	7.74E-06	1.13YrCanc	7.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	UCART1	502303.1	3634950	7.66E-06	1.13YrCanc	7.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	UCART1	502220.1	3634988	7.64E-06	1.13YrCanc	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	UCART1	502359.4	3634889	7.64E-06	1.13YrCanc	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	UCART1	501951.4	3634922	7.45E-06	1.13YrCanc	7.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	UCART1	501929.6	3634894	7.43E-06	1.13YrCanc	7.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	UCART1	502154.5	3635001	7.42E-06	1.13YrCanc	7.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	UCART1	502121.8	3635001	7.38E-06	1.13YrCanc	7.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	UCART1	502056.2	3634988	7.33E-06	1.13YrCanc	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	UCART1	502023.4	3634975	7.30E-06	1.13YrCanc	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	UCART1	502187.3	3635001	7.27E-06	1.13YrCanc	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	UCART1	502252.9	3634988	7.14E-06	1.13YrCanc	7.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
00	ALL	UCART1	502089	3635001	7.12E-06	1.13YrCanc	7.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL	UCART1	501990.6	3634962	7.04E-06	1.13YrCanc	7.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	UCART1	502220.1	3635001	6.94E-06	1.13YrCanc	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	UCART1	501921.8	3634898	6.93E-06	1.13YrCanc	6.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	UCART1	502359.4	3634919	6.74E-06	1.13YrCanc	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	UCART1	502154.5	3635015	6.72E-06	1.13YrCanc	6.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	UCART1	502121.8	3635015	6.68E-06	1.13YrCanc	6.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	UCART1	502056.2	3635001	6.65E-06	1.13YrCanc	6.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	UCART1	502023.4	3634988	6.62E-06	1.13YrCanc	6.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL	UCART1	501957.9	3634948	6.61E-06	1.13YrCanc	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	UCART1	502187.3	3635015	6.61E-06	1.13YrCanc	6.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	UCART1	502252.9	3635001	6.53E-06	1.13YrCanc	6.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	UCART1	502089	3635015	6.44E-06	1.13YrCanc	6.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	UCART1	501990.6	3634975	6.41E-06	1.13YrCanc	6.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	UCART1	502303.1	3634980	6.40E-06	1.13YrCanc	6.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	UCART1	502220.1	3635015	6.34E-06	1.13YrCanc	6.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	UCART1	502415.8	3634829	6.23E-06	1.13YrCanc	6.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	UCART1	501909.6	3634908	6.16E-06	1.13YrCanc	6.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	UCART1	502154.5	3635028	6.12E-06	1.13YrCanc	6.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL	UCART1	501957.9	3634962	6.10E-06	1.13YrCanc	6.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	UCART1	502056.2	3635015	6.05E-06	1.13YrCanc	6.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	UCART1	502121.8	3635028	6.04E-06	1.13YrCanc	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	UCART1	502023.4	3635001	6.04E-06	1.13YrCanc	6.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	UCART1	502187.3	3635028	6.03E-06	1.13YrCanc	6.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	UCART1	502252.9	3635015	5.99E-06	1.13YrCanc	5.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	UCART1	502359.4	3634950	5.90E-06	1.13YrCanc	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	UCART1	502415.8	3634859	5.88E-06	1.13YrCanc	5.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	UCART1	501990.6	3634988	5.85E-06	1.13YrCanc	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	UCART1	502220.1	3635028	5.81E-06	1.13YrCanc	5.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	UCART1	502089	3635028	5.77E-06	1.13YrCanc	5.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL	UCART1	501925.1	3634948	5.64E-06	1.13YrCanc	5.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	UCART1	501957.9	3634975	5.62E-06	1												

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605 ALL		503204.5	3634859	6.00E-07	1.13YrCanc	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714 ALL		503148.2	3635070	5.98E-07	1.13YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460 ALL		502881.3	3635525	5.98E-07	1.13YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455 ALL		502946.8	3635416	5.98E-07	1.13YrCanc	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855 ALL		502640	3633890	5.96E-07	1.13YrCanc	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843 ALL		502422.1	3633826	5.94E-07	1.13YrCanc	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625 ALL		503204.5	3634889	5.94E-07	1.13YrCanc	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733 ALL		503148.2	3635101	5.88E-07	1.13YrCanc	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849 ALL		502585.5	3633858	5.83E-07	1.13YrCanc	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491 ALL		503260.9	3634648	5.83E-07	1.13YrCanc	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651 ALL		503204.5	3634950	5.81E-07	1.13YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507 ALL		503260.9	3634678	5.78E-07	1.13YrCanc	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752 ALL		503148.2	3635131	5.77E-07	1.13YrCanc	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523 ALL		503260.9	3634708	5.74E-07	1.13YrCanc	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836 ALL		502367.6	3633794	5.73E-07	1.13YrCanc	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538 ALL		503260.9	3634738	5.69E-07	1.13YrCanc	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850 ALL		502640	3633858	5.67E-07	1.13YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677 ALL		503204.5	3635010	5.67E-07	1.13YrCanc	5												

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*HARP - HRACalc v22118 2/5/2024 4:26:08 PM - Chronic Risk - Input File: C:\Users\jenu\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Unmit_HRAInput.hra																				
REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEI	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
954	ALL			502134.1	3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-02
953	ALL			502156	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-02
955	ALL			502118.2	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-02
952	ALL			502173.7	3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-02
443	ALL			502091.2	3634721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-02
951	ALL			502186.3	3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02
956	ALL			502085.2	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-02
950	ALL			502204.1	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-02
957	ALL			502070.7	3634863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-02
920	ALL			502211.8	3634864	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-02
958	ALL			502055.2	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-02
959	ALL			502043.7	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-02
960	ALL			502031.5	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-02
929	ALL			502140.8	3634893	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02
928	ALL			502115.2	3634894	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-02
941	ALL			502187.1	3634892	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-02
942	ALL			502211.5	3634885	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-02
961	ALL			502021.1	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-02
930	ALL			502141.5	3634901	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
927	ALL			502152.2	3634902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
966	ALL			502079.3	3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
940	ALL			502187.8	3634899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
943	ALL			502212.3	3634893	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-02
962	ALL			502009.6	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02
967	ALL			502065.9	3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-02
926	ALL			502114.5	3634907	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-02
939	ALL			502188.2	3634904	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-02
931	ALL			502141.1	3634911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02
968	ALL			502053.3	3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02
944	ALL			502212.7	3634904	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02
938	ALL			502187.1	3634911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02
925	ALL			502115.2	3634915	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02
969	ALL			502041.8	3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02
963	ALL			501997	3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-02
924	ALL			502115.2	3634921	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02
934	ALL			502141.1	3634923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02
571	ALL			502303.1	3634829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-02
937	ALL			502187.8	3634918	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-02
970	ALL			502031.8	3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02
945	ALL			502215.2	3634913	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02
983	ALL			502077.4	3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02
923	ALL			502114.8	3634929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02
936	ALL			502186.7	3634927	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-02
982	ALL			502064.1	3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-02
971	ALL			502018.9	3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02
933	ALL			502141.1	3634933	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02
946	ALL			502215.6	3634921	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02
922	ALL			502116.7	3634933	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-02
964	ALL			501981.4	3634866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02
940	ALL			502303.1	3634859	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E						

57	ALL	UCART1	502056.2	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-03
35	ALL	UCART1	502023.4	3634962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-03
82	ALL	UCART1	502187.3	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-03
79	ALL	UCART1	502089	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-03
63	ALL	UCART1	502252.9	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-03
13	ALL	UCART1	501990.6	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-03
636	ALL		502303.1	3634950	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-03
83	ALL	UCART1	502220.1	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-03
610	ALL		502359.4	3634889	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-03
990	ALL		501951.4	3634922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-03
986	ALL		501929.6	3634894	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-03
102	ALL	UCART1	502154.5	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-03
101	ALL	UCART1	502121.8	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-03
78	ALL	UCART1	502056.2	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-03
56	ALL	UCART1	502023.4	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-03
103	ALL	UCART1	502187.3	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-03
84	ALL	UCART1	502252.9	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-03
100	ALL	UCART1	502089	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-03
34	ALL	UCART1	501990.6	3634962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-03
104	ALL	UCART1	502202.1	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-03
984	ALL		501921.8	3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03
630	ALL		502359.4	3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-03
123	ALL	UCART1	502154.5	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-03
122	ALL	UCART1	502121.8	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-03
99	ALL	UCART1	502056.2	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-03
77	ALL	UCART1	502023.4	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-03
12	ALL	UCART1	501957.9	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-03
124	ALL	UCART1	502187.3	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-03
105	ALL	UCART1	502252.9	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-03
121	ALL	UCART1	502089	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-03
55	ALL	UCART1	501990.6	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-03
655	ALL		502303.1	3634980	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-03
125	ALL	UCART1	502202.1	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-03
573	ALL		502415.8	3634829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-03
985	ALL		501909.6	3634908	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-03
144	ALL	UCART1	502154.5	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-03
33	ALL	UCART1	501957.9	3634962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-03
120	ALL	UCART1	502056.2	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03
143	ALL	UCART1	502121.8	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03
98	ALL	UCART1	502023.4	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03
145	ALL	UCART1	502187.3	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-03
126	ALL	UCART1	502252.9	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03
637	ALL	UCART1	502359.4	3634950	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-03
592	ALL		502415.8	3634859	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-03
76	ALL	UCART1	501990.6	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-03
146	ALL	UCART1	502202.1	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-03
142	ALL	UCART1	502089	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-03
11	ALL	UCART1	501925.1	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-03
54	ALL	UCART1	501957.9	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-03
165	ALL	UCART1	502154.5	3635041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-03
167	ALL	UCART1	502187.3	3635041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-03
147	ALL	UCART1	502252.9	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-03	0.00E+00</						

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HARP2 - HRACalc (dated 22118) 2/5/2024 4:35:42 PM - Output Log - Mitigated

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.13

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.13
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: ON

16 years to 70 years: ON

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Warm

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_NCAcuteRiskSumByRec.csv

HRA ran successfully

*HARP - HRACalc v22118 2/5/2024 4:35:42 PM - Cancer Risk - Input File: C:\Users\enuno\OneDrive - Dudek\Desktop\HARP2\HARP\SANTEE_COMM_CTR_CON_HARP2\hra\Santee_Con_HRA_Mit_HRAInput.hra																		
REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
954	ALL		502134.1	3634861	8.20E-06	1.13YrCanc	8.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL		502156	3634862	7.99E-06	1.13YrCanc	7.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL		502118.2	3634862	7.96E-06	1.13YrCanc	7.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL		502173.7	3634861	7.90E-06	1.13YrCanc	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL		502091.2	3634721	7.57E-06	1.13YrCanc	7.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL		502186.3	3634861	7.51E-06	1.13YrCanc	7.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL		502085.2	3634862	7.21E-06	1.13YrCanc	7.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL		502204.1	3634862	6.75E-06	1.13YrCanc	6.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL		502070.7	3634863	6.65E-06	1.13YrCanc	6.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL		502211.8	3634864	6.19E-06	1.13YrCanc	6.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL		502055.2	3634862	6.17E-06	1.13YrCanc	6.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL		502043.7	3634862	5.63E-06	1.13YrCanc	5.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL		502031.5	3634862	5.08E-06	1.13YrCanc	5.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL		502140.8	3634893	4.86E-06	1.13YrCanc	4.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL		502115.2	3634894	4.72E-06	1.13YrCanc	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL		502187.1	3634892	4.63E-06	1.13YrCanc	4.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL		502211.5	3634885	4.60E-06	1.13YrCanc	4.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL		502021.1	3634862	4.57E-06	1.13YrCanc	4.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL		502141.5	3634901	4.34E-06	1.13YrCanc	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL		502115.2	3634902	4.22E-06	1.13YrCanc	4.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL		502079.3	3634895	4.21E-06	1.13YrCanc	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL		502187.8	3634899	4.20E-06	1.13YrCanc	4.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL		502212.3	3634893	4.09E-06	1.13YrCanc	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL		502009.6	3634862	4.04E-06	1.13YrCanc	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL		502065.9	3634895	3.98E-06	1.13YrCanc	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL		502114.5	3634907	3.94E-06	1.13YrCanc	3.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL		502188.2	3634904	3.91E-06	1.13YrCanc	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL		502141.1	3634911	3.83E-06	1.13YrCanc	3.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL		502053.3	3634898	3.62E-06	1.13YrCanc	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL		502212.7	3634904	3.60E-06	1.13YrCanc	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL		502187.1	3634911	3.59E-06	1.13YrCanc	3.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL		502115.2	3634915	3.58E-06	1.13YrCanc	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL		502041.8	3634895	3.51E-06	1.13YrCanc	3.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL		501997	3634862	3.50E-06	1.13YrCanc	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL		502115.2	3634921	3.33E-06	1.13YrCanc	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL		502141.1	3634923	3.31E-06	1.13YrCanc	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL		502303.1	3634829	3.31E-06	1.13YrCanc	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL		502187.8	3634918	3.30E-06	1.13YrCanc	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL		502031.8	3634898	3.22E-06	1.13YrCanc	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL		502215.2	3634913	3.22E-06	1.13YrCanc	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL		502077.4	3634919	3.13E-06	1.13YrCanc	3.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL		502114.8	3634929	3.03E-06	1.13YrCanc	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL		502186.7	3634927	3.00E-06	1.13YrCanc	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL		502064.1	3634919	2.97E-06	1.13YrCanc	2.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL		502018.9	3634898	2.95E-06	1.13YrCanc	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL		502141.1	3634933	2.95E-06	1.13YrCanc	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL		502215.6	3634921	2.95E-06	1.13YrCanc	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL		502116.7	3634933	2.91E-06	1.13YrCanc	2.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL		501981.4	3634866	2.86E-06	1.13YrCanc	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL		502303.1	3634859	2.85E-06	1.13YrCanc	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL		502051.5	3634918	2.85E-06	1.13YrCanc	2.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL		502214.9	3634926	2.81E-06	1.13YrCanc	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL		502007.7	3634895	2.81E-06	1.13YrCanc												

[illegible]

17	ALL	UCART1	501957.9	3635015	9.42E-07	1.13YrCanc	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	UCART1	502154.5	3635081	9.35E-07	1.13YrCanc	9.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	UCART1	502252.9	3635068	9.32E-07	1.13YrCanc	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	UCART1	502187.3	3635081	9.27E-07	1.13YrCanc	9.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	UCART1	502121.8	3635081	9.24E-07	1.13YrCanc	9.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	UCART1	501892.3	3634975	9.18E-07	1.13YrCanc	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	UCART1	501925.1	3635001	9.17E-07	1.13YrCanc	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	UCART1	502472.1	3634859	9.16E-07	1.13YrCanc	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	UCART1	502220.1	3635081	9.06E-07	1.13YrCanc	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	UCART1	502056.2	3635068	9.03E-07	1.13YrCanc	9.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	UCART1	502023.4	3635054	9.02E-07	1.13YrCanc	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	UCART1	502089	3635081	8.85E-07	1.13YrCanc	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	UCART1	501990.6	3635041	8.82E-07	1.13YrCanc	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	UCART1	502415.8	3634980	8.74E-07	1.13YrCanc	8.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL	UCART1	501859.5	3634948	8.71E-07	1.13YrCanc	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	UCART1	502252.9	3635081	8.70E-07	1.13YrCanc	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	UCART1	501892.3	3634988	8.69E-07	1.13YrCanc	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	UCART1	502472.1	3634889	8.68E-07	1.13YrCanc	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	UCART1	502154.5	3635094	8.67E-07	1.13YrCanc	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	UCART1	501957.9	3635028	8.65E-07	1.13YrCanc	8.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	UCART1	502187.3	3635094	8.62E-07	1.13YrCanc	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	UCART1	502121.8	3635094	8.59E-07	1.13YrCanc	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	UCART1	501925.1	3635015	8.48E-07	1.13YrCanc	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	UCART1	502023.4	3635068	8.44E-07	1.13YrCanc	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	UCART1	502220.1	3635094	8.44E-07	1.13YrCanc	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	UCART1	502056.2	3635081	8.42E-07	1.13YrCanc	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	UCART1	502303.1	3635070	8.39E-07	1.13YrCanc	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	UCART1	502359.4	3635040	8.39E-07	1.13YrCanc	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL	UCART1	501859.5	3634962	8.35E-07	1.13YrCanc	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	UCART1	501990.6	3635054	8.28E-07	1.13YrCanc	8.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	UCART1	502089	3635094	8.26E-07	1.13YrCanc	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	UCART1	501892.3	3635001	8.23E-07	1.13YrCanc	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	UCART1	502472.1	3634919	8.16E-07	1.13YrCanc	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	UCART1	502252.9	3635094	8.13E-07	1.13YrCanc	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	UCART1	502154.5	3635107	8.06E-07	1.13YrCanc	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	UCART1	501957.9	3635041	8.03E-07	1.13YrCanc	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	UCART1	502187.3	3635107	8.03E-07	1.13YrCanc	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	UCART1	501859.5	3634975	7.99E-07	1.13YrCanc	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	UCART1	502121.8	3635107	7.99E-07	1.13YrCanc	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	UCART1	502023.4	3635081	7.91E-07	1.13YrCanc	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	UCART1	502220.1	3635107	7.88E-07	1.13YrCanc	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	UCART1	502056.2	3635094	7.87E-07	1.13YrCanc	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	UCART1	502415.8	3635010	7.87E-07	1.13YrCanc	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	UCART1	501925.1	3635028	7.87E-07	1.13YrCanc	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	UCART1	501990.6	3635068	7.80E-07	1.13YrCanc	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	UCART1	502528.4	3634708	7.80E-07	1.13YrCanc	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	UCART1	502528.4	3634678	7.78E-07	1.13YrCanc	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	UCART1	501892.3	3635015	7.76E-07	1.13YrCanc	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	UCART1	502528.4	3634738	7.75E-07	1.13YrCanc	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	UCART1	502089	3635107	7.73E-07	1.13YrCanc	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	UCART1	501859.5	3634988	7.64E-07	1.13YrCanc	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	UCART1	502528.4	3634648	7.64E-07	1.13YrCanc	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	UCART1	502528.4	3634768	7.63E-07	1.13YrCanc	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	UCART1	502252.9	3635107														

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342	ALL	UCART1	501761.2	3635160	3.41E-07	1.13YrCanc	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	UCART1	501597.3	3635015	3.41E-07	1.13YrCanc	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	UCART1	501794	3635187	3.40E-07	1.13YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	UCART1	501728.4	3635134	3.39E-07	1.13YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	UCART1	501826.7	3635213	3.38E-07	1.13YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1	ALL	UCART1	501597.3	3634948	3.37E-07	1.13YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	UCART1	501695.6	3635107	3.37E-07	1.13YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	UCART1	501597.3	3634988	3.36E-07	1.13YrCanc	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	UCART1	501662.8	3635081	3.35E-07	1.13YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL	UCART1	501597.3	3634962	3.34E-07	1.13YrCanc	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	UCART1	502584.8	3635161	3.33E-07	1.13YrCanc	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL	UCART1	501597.3	3634975	3.32E-07	1.13YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	UCART1	501630.1	3635054	3.32E-07	1.13YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	UCART1	501597.3	3635028	3.32E-07	1.13YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	UCART1	502641.1	3635101	3.29E-07	1.13YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	UCART1	501761.2	3635174	3.29E-07	1.13YrCanc	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	UCART1	501794	3635200	3.28E-07	1.13YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	UCART1	501728.4	3635147	3.28E-07	1.13YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	UCART1	501695.6	3635121	3.25E-07	1.13YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	UCART1	501662.8	3635094	3.24E-07	1.13YrCanc	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	UCART1	501597.3	3635041	3.22E-07	1.13YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	UCART1	501630.1	3635068	3.20E-07	1.13YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	UCART1	501761.2	3635187	3.18E-07	1.13YrCanc	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	UCART1	502753.8	3634889	3.17E-07	1.13YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	UCART1	501728.4	3635160	3.17E-07	1.13YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	UCART1	501794	3635213	3.17E-07	1.13YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	UCART1	501695.6	3635134	3.14E-07	1.13YrCanc	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	UCART1	501662.8	3635107	3.13E-07	1.13YrCanc	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	UCART1	502584.8	3635191	3.13E-07	1.13YrCanc	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	UCART1	502641.1	3635131	3.12E-07	1.13YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	UCART1	501761.2	3635200	3.07E-07	1.13YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	UCART1	501597.3	3635054	3.07E-07	1.13YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	UCART1	501728.4	3635174	3.06E-07	1.13YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	UCART1	501630.1	3635081	3.04E-07	1.13YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	UCART1	502810.1	3634648	3.04E-07	1.13YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	UCART1	501695.6	3635147	3.03E-07	1.13YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	UCART1	501511.3	3634952	3.03E-07	1.13YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	UCART1	502753.8	3634950	3.02E-07	1.13YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	UCART1	502810.1	3634678	3.01E-07	1.13YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	UCART1	501662.8	3635121	3.00E-07	1.13YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	UCART1	501516.7	3634990	2.99E-07	1.13YrCanc	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	UCART1	502810.1	3634708	2.98E-07	1.13YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	UCART1	502641.1	3635161	2.95E-07	1.13YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	UCART1	501761.2	3635213	2.95E-07	1.13YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	UCART1	502810.1	3634738	2.95E-07	1.13YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	UCART1	501728.4	3635187	2.94E-07	1.13YrCanc	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	UCART1	501695.6	3635160	2.94E-07	1.13YrCanc	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	UCART1	502810.1	3634768	2.91E-07	1.13YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	UCART1	501597.3	3635068	2.88E-07	1.13YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	UCART1	502810.1	3634799	2.87E-07	1.13YrCanc	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	UCART1	501662.8	3635134	2.87E-07	1.13YrCanc	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	UCART1	501630.1	3635094	2.85E-07	1.13YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	UCART1	502753.8	3635010	2.84E-07	1.13YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	UCART1	501695.6	36351														

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692	ALL	502979.2	3635040	1.722E-07	1.13YrCanc	1.722E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	503053.7	3634346	1.722E-07	1.13YrCanc	1.722E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	502922.8	3635161	1.722E-07	1.13YrCanc	1.722E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	501877.2	3634018	1.71E-07	1.13YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	503035.5	3634859	1.70E-07	1.13YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	503035.5	3634889	1.68E-07	1.13YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	502979.2	3635070	1.68E-07	1.13YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	503072.4	3634345	1.67E-07	1.13YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	503087.2	3634382	1.67E-07	1.13YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	502922.8	3635191	1.66E-07	1.13YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	501768.2	3634050	1.66E-07	1.13YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	502903.6	3634158	1.66E-07	1.13YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	502095.1	3633954	1.65E-07	1.13YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	503091.8	3634648	1.64E-07	1.13YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	501822.7	3634018	1.64E-07	1.13YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	502979.2	3635101	1.64E-07	1.13YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	503035.5	3634950	1.64E-07	1.13YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	502040.6	3633954															

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818 ALL		502531.1	3633633	9.16E-08	1.13YrCanc	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737 ALL		5033375	3635101	9.13E-08	1.13YrCanc	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809 ALL		502367.6	3633601	9.15E-08	1.13YrCanc	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810 ALL		502422.1	3633601	9.04E-08	1.13YrCanc	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756 ALL		503373.5	3635131	9.03E-08	1.13YrCanc	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819 ALL		502585.5	3633633	8.99E-08	1.13YrCanc	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471 ALL		503457.6	3634855	8.94E-08	1.13YrCanc	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811 ALL		502476.6	3633601	8.92E-08	1.13YrCanc	8.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775 ALL		503373.5	3635161	8.90E-08	1.13YrCanc	8.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472 ALL		503469.2	3634855	8.83E-08	1.13YrCanc	8.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820 ALL		502640	3633633	8.80E-08	1.13YrCanc	8.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812 ALL		502531.1	3633601	8.78E-08	1.13YrCanc	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794 ALL		503373.5	3635191	8.77E-08	1.13YrCanc	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470 ALL		503469.2	3634893	8.75E-08	1.13YrCanc	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813 ALL		502585.5	3633601	8.62E-08	1.13YrCanc	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814 ALL		502640	3633601	8.45E-08	1.13YrCanc	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465 ALL		503514.5	3634925	8.21E-08	1.13YrCanc	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802 ALL		502531.1	3633537	8.10E-08	1.13YrCanc	8.												

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEI	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
954	ALL	502134.1			3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-03
953	ALL	502156			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-03
955	ALL	502118.2			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-03
952	ALL	502173.7			3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-03
443	ALL	502091.2			3634721	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-03
951	ALL	502186.3			3634861	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-03
956	ALL	502085.2			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-03
950	ALL	502204.1			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-03
957	ALL	502070.7			3634863	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-03
920	ALL	502211.8			3634864	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-03
958	ALL	502055.2			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-03
959	ALL	502043.7			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-03
960	ALL	502031.5			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-03
929	ALL	502140.8			3634893	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-03
928	ALL	502115.2			3634894	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-03
941	ALL	502187.1			3634892	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-03
942	ALL	502211.5			3634885	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-03
961	ALL	502021.1			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-03
930	ALL	502141.5			3634901	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03
927	ALL	502152.2			3634902	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-03
966	ALL	502079.3			3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-03
940	ALL	502187.8			3634899	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-03
943	ALL	502212.3			3634893	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-03
962	ALL	502009.6			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-03
967	ALL	502065.9			3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-03
926	ALL	502114.5			3634907	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03
939	ALL	502188.2			3634904	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03
931	ALL	502141.1			3634911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03
968	ALL	502053.3			3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-03
944	ALL	502212.7			3634904	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-03
938	ALL	502187.1			3634911	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03
925	ALL	502115.2			3634915	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03
969	ALL	502041.8			3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03
963	ALL	501997			3634862	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03
924	ALL	502115.2			3634921	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-03
932	ALL	502141.1			3634923	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03
571	ALL	502303.1			3634829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-03
937	ALL	502187.8			3634918	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03
970	ALL	502031.8			3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03
945	ALL	502215.2			3634913	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03
983	ALL	502077.4			3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-03
923	ALL	502114.8			3634929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-03
936	ALL	502186.7			3634927	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-03
982	ALL	502064.1			3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03
971	ALL	502018.9			3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03
933	ALL	502141.1			3634933	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03
946	ALL	502215.6			3634921	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03
922	ALL	502116.7			3634933	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-03
964	ALL	501981.4			3634866	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
990	ALL	502303.1			3634859	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-03
981	ALL	502051.5			3634918	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-03
947	ALL	502214.9			3634926	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03
972	ALL	502007.7			3634895	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03
980	ALL	502042.9</																	

57	ALL	UCART1	502056.2	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
35	ALL	UCART1	502028.3	3634962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
82	ALL	UCART1	502187.3	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03
79	ALL	UCART1	502089	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
63	ALL	UCART1	502252.9	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
13	ALL	UCART1	501990.6	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
636	ALL		502303.1	3634950	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
83	ALL	UCART1	502220.1	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
610	ALL		502359.4	3634889	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
990	ALL		501951.4	3634922	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
986	ALL		501929.6	3634894	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
102	ALL	UCART1	502154.5	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
101	ALL	UCART1	502121.8	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
78	ALL	UCART1	502268.6	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
56	ALL	UCART1	502023.4	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
103	ALL	UCART1	502187.3	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
84	ALL	UCART1	502252.9	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
100	ALL	UCART1	502089	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
34	ALL	UCART1	501990.6	3634962	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
104	ALL	UCART1	50220.1	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
984	ALL		501921.8	3634898	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
630	ALL		502359.4	3634919	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
123	ALL	UCART1	502154.5	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
122	ALL	UCART1	502121.8	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
99	ALL	UCART1	502056.2	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
77	ALL	UCART1	502023.4	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
12	ALL	UCART1	501957.9	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
124	ALL	UCART1	502187.3	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
105	ALL	UCART1	502252.9	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
121	ALL	UCART1	502089	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
55	ALL	UCART1	501990.6	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
655	ALL		502303.1	3634980	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
125	ALL	UCART1	50220.1	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
573	ALL		502415.8	3634829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
985	ALL		501909.6	3634908	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
144	ALL	UCART1	502154.5	3634828	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
33	ALL	UCART1	501957.9	3635062	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
120	ALL	UCART1	502056.2	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
143	ALL	UCART1	502121.8	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
98	ALL	UCART1	502023.4	3635001	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
145	ALL	UCART1	502187.3	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
126	ALL	UCART1	502252.9	3635015	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
637	ALL	UCART1	502359.4	3634950	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
592	ALL		502415.8	3634859	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
76	ALL	UCART1	501990.6	3634988	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
146	ALL	UCART1	50220.1	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
142	ALL	UCART1	502089	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
11	ALL	UCART1	501925.1	3634948	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
54	ALL	UCART1	501957.9	3634975	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
165	ALL	UCART1	502154.5	3635041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
166	ALL	UCART1	502187.3	3635041	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
147	ALL	UCART1	502252.9	3635028	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00						

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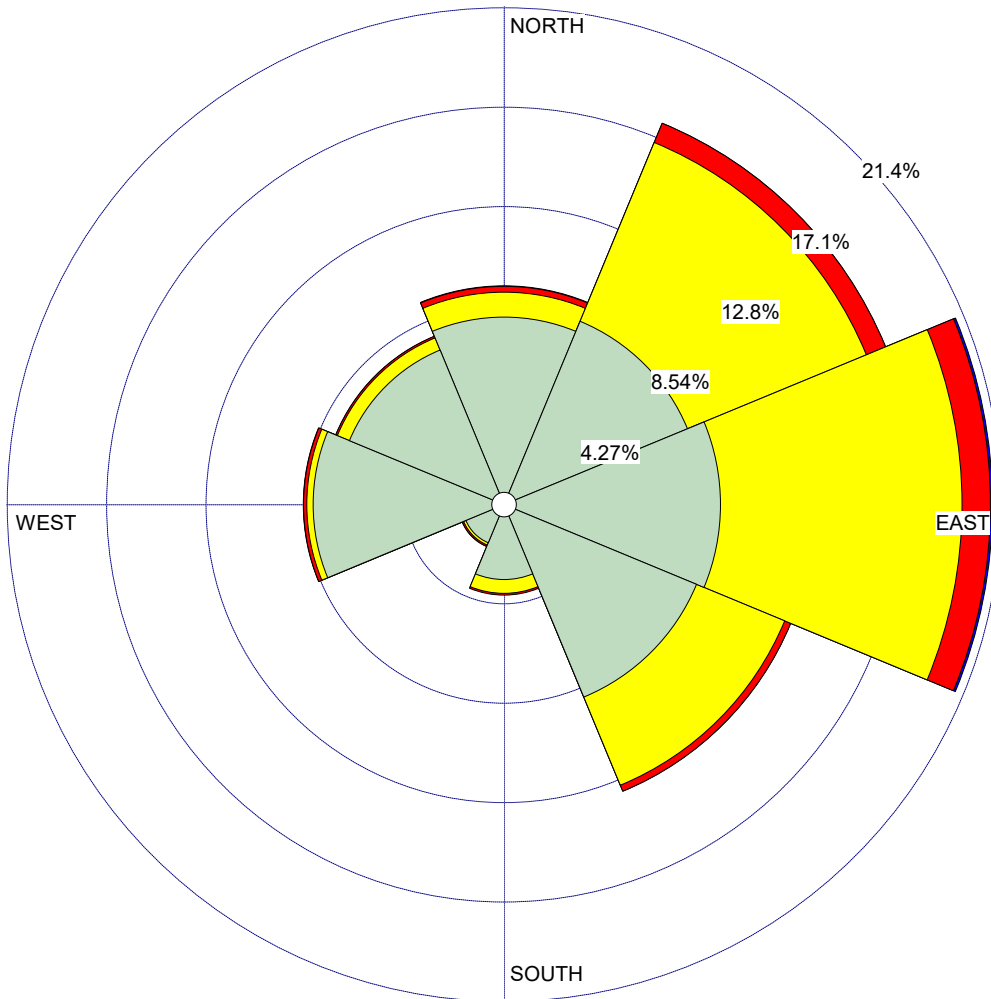
[illegible]

Appendix A-4

Operational Health Risk Screening

WIND ROSE PLOT:
Station #53143

DISPLAY:
Wind Speed
Flow Vector (blowing to)



WIND SPEED
(Knots)

- >= 21.58
- 17.11 - 21.58
- 11.08 - 17.11
- 7.00 - 11.08
- 4.08 - 7.00
- 0.97 - 4.08

Calms: 16.27%

COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/1/2019 - 00:00 End Date: 12/31/2021 - 23:59	MODELER:	
	CALM WINDS:	TOTAL COUNT:	
	16.27%	26265 hrs.	
	AVG. WIND SPEED:	DATE:	PROJECT NO.:
	2.85 Knots	2/26/2024	

**Santa Barbara County Air Pollution Control District
DICE Screening Tool — August 2018**

Engine Data User Inputs	
Dispersion ☒ Urban ☐ Rural	Engine Size 315 bhp
Meteorological Data Set ☒ Santa Maria Airport ☐ Santa Barbara Airport	Distance from Source to Nearest Resident: 100 meters Nearest Worker: 100 meters
Building Downwash ☐ Include Building Downwash ☒ No Building Downwash	Diesel PM Emission Factor 0.15 g/bhp-hr Permitted Hours 52 hr/yr

DICE Screening Health Risk Outputs		SBCAPCD Board-Approved Significance Thresholds
Cancer Risk at the MEIR:	2.3 / million	≥10.0 / million
Chronic HI at the MEIR:	<0.1	>1.0

HI stands for "hazard index."
 MEIR stands for "maximally exposed individual resident."
 MEIW stands for "maximally exposed individual worker."

**Santa Barbara County Air Pollution Control District
DICE Screening Tool — August 2018**

Engine Data User Inputs	
Dispersion ☒ Urban ☐ Rural	Engine Size 315 bhp
Meteorological Data Set ☐ Santa Maria Airport ☒ Santa Barbara Airport	Distance from Source to Nearest Resident: 100 meters Nearest Worker: 100 meters
Building Downwash ☐ Include Building Downwash ☒ No Building Downwash	Diesel PM Emission Factor 0.15 g/bhp-hr Permitted Hours 52 hr/yr

DICE Screening Health Risk Outputs		SBCAPCD Board-Approved Significance Thresholds
Cancer Risk at the MEIR:	1.9 / million	≥10.0 / million
Chronic HI at the MEIR:	<0.1	>1.0

HI stands for "hazard index."
 MEIR stands for "maximally exposed individual resident."
 MEIW stands for "maximally exposed individual worker."

Appendix A-5

Energy Calculations

Construction				
Source	Percent	Total MTCO2	Gallons	
			Diesel	Gasoline
2025				
Off-road	82.3%	132	12,976	
Electricity	0.0%	0		
Worker	3.2%	5		587
Vendor	3.5%	6	552	
Hauling	10.9%	18	1,719	
Onsite Truck	0.0%	0	0	
Total	100.0%	161	15,246	587
2026				
Off-road	91.7%	173	16,920	
Electricity	0.0%	0		
Worker	4.4%	8		944
Vendor	3.9%	7	720	
Hauling	0.0%	0	0	
Onsite Truck	0.0%	0	0	
Total	100.0%	188	17,640	944
Total Construction Period				
Off-road	87.4%	305	29,896	0
Electricity	0.0%	0	0	0
Worker	3.8%	13	0	1,531
Vendor	3.7%	13	1,271	0
Hauling	5.0%	18	1,719	0
Onsite Truck	0.0%	0	0	0
Total	100.0%	349	32,886	1,531

Operation				
Source	Percent	Total MTCO2	Gallons	
			Diesel	Gasoline
Mobile Exhaust	93.4%	1,577.80	29,972	144,784
Landscape Equipment	0.0%	0.19	18	
Electricity	4.2%	70.94		
Natural Gas Energy	1.3%	21.96		
Water and Wastewater	0.4%	5.91		
Solid Waste	0.4%	6.25		
Off-Road Equipment	0.0%	0.00	0	
Emergency Generators and Fire Pumps	0.4%	6.23	610	
Total	100.0%	1689.08	30,601	144,784
Type	Total	Units		
Petroleum	175,385	gallons/year		
Electricity	266,720	kWh/year		
Natural Gas	400,288	kBTU/year		

Constants		
Fuel	KgCO ₂ /Gallon	1000 Kg in MT
Gasoline	8.78	
Diesel	10.21	

Source: The Climate Registry 2021

Table 2.1 U.S. Default Factors for Calculating CO₂ Emissions from Combustion of Transport Fuels

Fuel Type	Carbon Content (Per Unit Energy)	Heat Content	Fraction Oxidized	CO ₂ Emission Factor (Per Unit Volume)
Fuels Measured in Gallons	kg C / MMBtu	MMBtu / barrel		kg CO ₂ / gallon
Gasoline	19.2	5.25	1	8.78
Diesel Fuel	20.2	5.80	1	10.21

Appendix A-6

Sustainable Santee Checklist

Sustainable Santee Action Plan Consistency and Implementation Tracking Checklist

The Sustainable Santee Action Plan Project Consistency Checklist (Checklist) is intended to be a tool for development projects to demonstrate consistency with Santee's (City's) Sustainable Santee Action Plan, which is a qualified greenhouse gas (GHG) emissions reduction plan in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15183.5. This Checklist has been developed as part of the Sustainable Santee Action Plan implementation and monitoring process and will support the achievement of individual GHG reduction measures as well as the City's overall GHG reduction goals. In addition, this Checklist will further the City's sustainability goals and policies that encourage sustainable development and aim to conserve and reduce the consumption of resources, such as energy and water, among others.

CEQA Guidelines Section 15183.5 allows lead agencies to analyze the impacts associated with GHG emissions at a programmatic level in plan-level documents such as Climate Action Plans or sustainability plans, so that project-level environmental documents may tier from the programmatic review. Projects that meet the requirements of this Checklist will be deemed to be consistent with the Sustainable Santee Action Plan and will be found to have a less than significant contribution to cumulative GHG (i.e., the project's incremental contribution to cumulative GHG effects is not cumulatively considerable), pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b). Projects that do not meet the requirements in this Checklist will be deemed to be inconsistent with the Sustainable Santee Action Plan and must prepare a project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions and incorporation of the measures in this Checklist to the extent feasible. This GHG Checklist can be updated to reflect adoption of new GHG reduction strategies or to comply with any changes and updates in the Plan or local, State or federal regulations.

1. Project Information	
Contact Information	
Project No./Name:	Santee Community Center
Address:	10123 Riverwalk Drive, Santee
Applicant Name:	City of Santee
Contact Information:	
Project Description Characteristics	
1. What is the size of the Project (acres)?	3.57
2. Identify all Applicable Proposed Land uses:	Community center
a. Residential-Single Family (Indicate number of single-family units)	
b. Residential-Multifamily (Indicate number of multifamily units)	
c. Commercial (total square footage)	12,500
d. Industrial (total square footage)	
e. Other (describe)	
3. Provide a brief description of the project proposed:	Construction of 12,500 square foot community center with event space, office space, and support spaces.

2. Determining Land Use Consistency

Checklist Item

As the first step in determining the consistency with the Sustainable Santee Action Plan for the discretionary development projects, this section allows the City to determine the project's consistency with the land use assumptions used in the Plan.

	Yes	No
1. Is the proposed project consistent with the existing General Plan and land use zoning designations? OR	X	
2. If the proposed project is not consistent with the existing land use plan and zoning designations, does the project include a land use plan and/or zoning designation amendment that is identified in the Sustainable Santee Action Plan Land Use Buffer (see Appendix A, Table 11)?		
3. If the proposed project is not consistent with the existing land use plan, zoning designations, or Land Use Buffer, does the project include a land use plan and/or zoning designation amendment that will result in an equivalent or less GHG-intensive project when compared to the existing designations?		

Notes:

For questions 1, if the answer is **Yes**, proceed to the Sustainable Santee Action Plan Consistency Checklist. If the answer is **No**, proceed to question 2.

For question 2, if the answer is **Yes**, proceed to the Sustainable Santee Action Plan Consistency Checklist. If the answer is **No**, proceed to question 3.

For question 3, if the answer is **Yes** provide estimated project emissions under both existing and proposed designation (s) for comparison. Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation. If the answer of question 3 is **No** then, in accordance with the City's Significance Determination Thresholds, the project's GHG impact may be significant. The project must nonetheless incorporate each of the applicable measures identified in the Checklist to mitigate cumulative GHG emissions impacts unless the decision maker finds that a measure is infeasible in accordance with CEQA Guidelines Section 15091.

Sustainable Santee Action Plan CEQA Project Consistency Checklist					Notes
Greenhouse Gas Reduction Measure	Measure Applicability				This checklist is to be filled out by the applicant
	Yes	No	N/A	Description	
Emissions Measures Category: Energy Efficiency					Measure 1.1 is not on checklist because it focuses on minor residential alterations not subject to CEQA
Land Use Sector-Residential					
Goal 1. Increase Energy Efficiency in Existing Residential Units					
Measure 1.2. For existing Residential Unit Permit for Major Modifications (more than 30% of dwelling unit size, including bathroom and kitchen) that is considered a Project under CEQA must implement energy efficiency retrofits recommended from City Energy Audit and explain the energy efficiency retrofits implemented.			X	The project is a non-residential project.	Measure 1.2 only applies if alteration is subject to CEQA
Goal 2. Increase Energy Efficiency in the New Residential Units					
Measure 2.1. New residential construction meet or exceed California Green Building Standards Tier 2 Voluntary Measures, such as obtaining green building ratings including LEED, Build it Green, or Energy Star Certified building certifications in scoring development and explain the measures implemented.			X	The project is a non-residential project.	
Land Use Sector-Commercial					Measure 3.1 is not on checklist because it focuses on minor alterations which are not subject to CEQA
Goal 3. Increase Energy Efficiency in Existing Commercial Units					
Measure 3.2. For existing commercial units of 10,000 sq. ft. or more seeking building permits for modifications representing 30% or more sq. ft, and considered a Project under CEQA must implement energy efficiency retrofits recommended by the City to meet California Green Building Standards Tier 1 Voluntary Measures and explain the retrofits implemented.			X	The project does not include modification to an existing commercial building.	Measure 3.2 only applies if alteration is subject to CEQA
Goal 4. Increase Energy Efficiency in New Commercial Units					
Measure 4.1. New commercial units meet or exceed California Green Building Standards Tier 2 Voluntary Measures such as obtain green building ratings including: LEED, Build it Green, or Energy Star Certified buildings certifications in scoring development and explain the measures implemented.	X			The project would be constructed in accordance with California's Title 24 Building Energy Efficiency Standards.	
Emissions Measures Category: Advanced Goals Measures					
Land Use Sector-Commercial					
Goal 5. Decrease Energy Demand through Reducing Urban Heat Island Effect					
Measure 5.1. Project utilizes tree planting for shade and energy efficiency such as tree planting in parking lots and streetscapes.	X			The project's landscaping would include a mix of trees, shrubs, and groundcover and comply with the City's Landscape regulations, Santee Municipal Code Chapter 13.36.	
Measure 5.2. Project uses light-reflecting surfaces such as enhanced cool roofs on commercial buildings.	X			The project would incorporate design measures to reduce the urban heat island effect.	
Emissions Measures Category: Transportation					
Land Use Sector-Residential and Commercial					
Goal 6. Decrease GHG Emissions through a Reduction in VMT					
Measure 6.1. Proposed project streets include sidewalks, crosswalks, and other infrastructure that promotes non-motorized transportation options.	X			The project would include pedestrian infrastructure and bicycle parking to promote non-motorized transportation options.	
Measure 6.2. Proposed project installs bike paths to improve bike transit.			X	There is an existing dedicated bicycle path on Riverwalk Drive adjacent to the project site.	

Land Use Sector-Residential and Commercial					
Goal 7: Increase Use of Electric Vehicles					
Measure 7.1. Install electric vehicle chargers in all new residential and commercial developments.	X			The proposed project will install 16 EV chargers as required by code and will allocate space for future EV chargers.	
a. For new Single-Family Residential, install complete 40 Amp electrical service and one e-charger.			X	The project is a non-residential project.	
b. For new Multifamily Residential, install e-chargers for 13 percent of total parking.			X	The project is a non-residential project.	
c. For new Office Space, Regional Shopping Centers, and Movie Theaters, install e-chargers for 5 percent of total parking spaces.			X	The project is not a office, shopping center, or movie theater land use.	
d. For new Industrial and other Land Uses employing 200 or more employees, install e-charges for 5 percent of total parking spaces.			X	The project is not an industrial land use and would not employ more than 200 employees.	
Land Use Sector-Residential and Commercial					
Goal 8. Improve Traffic Flow					
Measure 8.1. Implement traffic flow improvement program.			X	No traffic improvements required.	Projects that include traffic controls need to show consistency with one of these
a. Install smart traffic signals at intersections warranting a traffic signal, OR			X	No new traffic signals required.	
b. Install roundabout.			X	No new roundabouts required.	
Emissions Measures Category: Solid Waste					
Land Use Sector-Residential and Commercial					
Goal 9: Decrease GHG Emissions through Reducing Solid Waste Generation					
Measure 9.1. Reduce waste at landfills.	X			The proposed project would comply with the City's construction and demolition recycling ordinance (Sante Municipal Code Section 13.38.060	
waste.				and solid waste ordinance #3239-A. The project would provide on-stie recycling storage for collection.	
Emissions Measures Category: Clean Energy					
Land Use Sector-Residential and Commercial					
Goal 10. Decrease GHG Emissions through Increased Clean Energy Use					
Measure 10.1. Increase distributed energy generation within City of Santee by implementing the following applicable photovoltaic solar systems:					
a. Single-family residential to install at least 2kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an application			X	The project is a non-residential project.	
b. Multifamily residential to install at least 1kW per unit of PV solar systems, unless the installation is infeasible due to poor solar resources established in a solar feasibility study prepared by a qualified solar consultant submitted with an applicant’s formal project submittal to City.			X	The project is a non-residential project.	
c. On commercial buildings, install at least 2 kW per square foot of building area (e.g., 2,000 sq. ft. = 3 kW) unless the installation is infeasible due to poor solar resources.	X			The project would include a solar photovoltaic system in compliance with this measure. Based on the 12,500 square feet of building the project would include an up to 18.75 kW system.	