
Appendix B:

Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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1.1. Basic Project Information

Data Field	Value
Project Name	Zinfandel Estates - On-Site Construction + Operations
Construction Start Date	9/1/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	42.2
Location	38.335705, -122.314568
County	Napa
City	Napa
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	808
EDFZ	2
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.22

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
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Single Family Housing	51.0	Dwelling Unit	9.86	252,225	221,609	9,362	140	51 single family homes, average 4950 sf each.
Other Asphalt Surfaces	40.8	1000sqft	0.94	0.00	0.00	0.00	—	Interior street
Apartments Low Rise	12.0	Dwelling Unit	0.00	4,608	0.00	0.00	33.0	12 ADUs multiplied by 384 sf

2. Emissions Summary

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	0.72	0.71	14.8	29.1	0.05	0.21	7.81	7.91	0.20	3.97	4.07	—	5,447	5,447	0.22	0.14	1.92	5,468
2026	0.44	0.43	9.06	15.6	0.02	0.09	0.27	0.36	0.09	0.07	0.15	—	2,806	2,806	0.11	0.06	1.38	2,826
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.04	0.93	22.9	37.2	0.08	0.23	7.81	7.91	0.21	3.97	4.07	—	9,174	9,174	0.38	0.45	0.15	9,319
2026	0.44	0.42	9.09	15.5	0.02	0.09	0.27	0.36	0.09	0.07	0.15	—	2,790	2,790	0.11	0.06	0.04	2,810
2027	0.43	181	9.07	15.4	0.02	0.09	0.27	0.36	0.09	0.07	0.15	—	2,783	2,783	0.11	0.05	0.03	2,802
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.17	0.15	3.66	6.05	0.01	0.04	0.63	0.67	0.04	0.26	0.29	—	1,340	1,340	0.05	0.05	0.31	1,357
2026	0.31	0.30	6.48	11.0	0.02	0.06	0.19	0.25	0.06	0.05	0.11	—	1,994	1,994	0.08	0.04	0.42	2,009
2027	0.03	9.98	0.72	1.12	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	181	181	0.01	< 0.005	0.03	182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.03	0.03	0.67	1.10	< 0.005	0.01	0.12	0.12	0.01	0.05	0.05	—	222	222	0.01	0.01	0.05	225
2026	0.06	0.06	1.18	2.01	< 0.005	0.01	0.03	0.05	0.01	0.01	0.02	—	330	330	0.01	0.01	0.07	333
2027	0.01	1.82	0.13	0.20	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	29.9	29.9	< 0.005	< 0.005	0.01	30.1

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	2.15	2.04	1.40	11.0	0.02	0.02	2.14	2.16	0.02	0.54	0.56	—	2,472	2,472	0.13	0.13	7.75	2,522
Area	0.36	6.82	0.32	3.70	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	375	375	0.01	< 0.005	—	375
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	902	902	0.10	0.01	—	906
Water	—	—	—	—	—	—	—	—	—	—	—	4.17	16.3	20.5	0.43	0.01	—	34.3
Waste	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.84	1.84
Total	2.58	8.89	2.26	14.9	0.03	0.09	2.14	2.23	0.09	0.54	0.63	26.3	3,765	3,791	2.87	0.15	9.59	3,917
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	1.94	1.62	11.5	0.02	0.02	2.14	2.16	0.02	0.54	0.56	—	2,355	2,355	0.16	0.14	0.20	2,403
Area	0.03	6.51	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	365	365	0.01	< 0.005	—	365
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	902	902	0.10	0.01	—	906
Water	—	—	—	—	—	—	—	—	—	—	—	4.17	16.3	20.5	0.43	0.01	—	34.3
Waste	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.84	1.84
Total	2.16	8.48	2.44	11.8	0.03	0.09	2.14	2.23	0.09	0.54	0.63	26.3	3,639	3,665	2.90	0.16	2.04	3,788
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.97	1.85	1.47	10.3	0.02	0.02	2.00	2.03	0.02	0.51	0.53	—	2,284	2,284	0.14	0.13	3.23	2,331
Area	0.16	6.65	0.02	1.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	13.7	13.7	< 0.005	< 0.005	—	13.7
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	902	902	0.10	0.01	—	906
Water	—	—	—	—	—	—	—	—	—	—	—	4.17	16.3	20.5	0.43	0.01	—	34.3
Waste	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.84	1.84
Total	2.19	8.53	2.03	12.3	0.03	0.07	2.00	2.07	0.06	0.51	0.57	26.3	3,216	3,242	2.87	0.15	5.07	3,364
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	0.34	0.27	1.88	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	378	378	0.02	0.02	0.53	386
Area	0.03	1.21	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.27	2.27	< 0.005	< 0.005	—	2.28
Energy	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	149	149	0.02	< 0.005	—	150
Water	—	—	—	—	—	—	—	—	—	—	—	0.69	2.70	3.39	0.07	< 0.005	—	5.68
Waste	—	—	—	—	—	—	—	—	—	—	—	3.66	0.00	3.66	0.37	0.00	—	12.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	0.40	1.56	0.37	2.24	< 0.005	0.01	0.37	0.38	0.01	0.09	0.10	4.35	532	537	0.48	0.02	0.84	557

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	0.41	0.41	11.9	18.2	0.03	0.20	—	0.20	0.19	—	0.19	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.50	0.50	—	0.08	0.08	—	—	—	—	—	—	—

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	0.65	1.00	< 0.005	0.01	—	0.01	0.01	—	0.01	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.12	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	0.07	0.06	0.04	0.69	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	0.01	0.55	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.84	0.27	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	633	633	0.03	0.10	1.37	666
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	0.01	6.81

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.7	34.7	< 0.005	0.01	0.03	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.75	5.75	< 0.005	< 0.005	0.01	6.04

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	0.64	0.64	14.7	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	—	—	—	—	—	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	14.7	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	—	—	—	—	—	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.40	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	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	0.07	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
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	0.05	0.81	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	< 0.005	0.01	0.64	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.08	0.07	0.07	0.73	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	< 0.005	0.01	0.02	143
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.91	3.91	< 0.005	< 0.005	0.01	3.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.80	19.4	35.3	0.06	0.18	—	0.18	0.18	—	0.18	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.07	1.60	2.91	0.01	0.01	—	0.01	0.01	—	0.01	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
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	0.29	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	89.8	89.8	< 0.005	< 0.005	—	90.1
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.84	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	162	162	0.01	0.01	0.02	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.05	3.36	1.06	0.02	0.04	0.60	0.65	0.03	0.17	0.20	—	2,414	2,414	0.11	0.39	0.14	2,533
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.03	13.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.27	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	198	198	0.01	0.03	0.18	208
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.25
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.8	32.8	< 0.005	0.01	0.03	34.5

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	8.74	14.3	0.02	0.09	—	0.09	0.08	—	0.08	—	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	0.02	0.02	0.65	1.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
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	0.12	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.5	29.5	< 0.005	< 0.005	—	29.6
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.13	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	218	218	0.01	0.01	0.03	221
Vendor	0.01	0.01	0.27	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	182	182	0.01	0.03	0.01	190
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	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.02	14.1
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	—	2.71	2.71	< 0.005	< 0.005	0.01	2.75
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.24	2.24	< 0.005	< 0.005	< 0.005	2.34
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	0.32	0.32	8.74	14.3	0.02	0.09	—	0.09	0.08	—	0.08	—	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	0.32	0.32	8.74	14.3	0.02	0.09	—	0.09	0.08	—	0.08	—	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	0.23	0.23	6.24	10.2	0.02	0.06	—	0.06	0.06	—	0.06	—	1,712	1,712	0.07	0.01	—	1,718
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	0.04	1.14	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
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	0.11	0.11	0.07	1.16	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	230	230	< 0.005	0.01	0.92	234
Vendor	0.01	0.01	0.24	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	179	179	0.01	0.03	0.46	187
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	0.11	0.10	0.09	1.05	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	214	214	0.01	0.01	0.02	217
Vendor	0.01	0.01	0.26	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	179	179	0.01	0.03	0.01	187
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	0.08	0.07	0.06	0.72	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	155	155	< 0.005	0.01	0.28	157
Vendor	0.01	< 0.005	0.18	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	128	128	< 0.005	0.02	0.14	134
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	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.6	25.6	< 0.005	< 0.005	0.05	26.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	0.02	22.1
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. Building Construction (2027) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	8.74	14.3	0.02	0.09	—	0.09	0.08	—	0.08	—	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	0.01	0.01	0.26	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	70.4	70.4	< 0.005	< 0.005	—	70.6
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	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.7

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.09	0.99	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	210	210	0.01	0.01	0.02	213
Vendor	0.01	0.01	0.24	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	175	175	0.01	0.03	0.01	183
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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.24	6.24	< 0.005	< 0.005	0.01	6.33
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.14	5.14	< 0.005	< 0.005	0.01	5.38
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	—	1.03	1.03	< 0.005	< 0.005	< 0.005	1.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
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

3.13. Paving (2027) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	7.21	10.6	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.39	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.55	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.47	6.47	< 0.005	< 0.005	0.01	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.15. Architectural Coating (2027) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	1.07	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	181	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architect ural Coatings	—	9.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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
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	—	1.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.1	42.1	< 0.005	< 0.005	< 0.005	42.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.33	2.33	< 0.005	< 0.005	< 0.005	2.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.79	1.70	1.17	9.12	0.02	0.02	1.78	1.80	0.02	0.45	0.47	—	2,059	2,059	0.11	0.11	6.45	2,101
Other 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
Apartments Low Rise	0.36	0.34	0.23	1.83	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	413	413	0.02	0.02	1.30	422
Total	2.15	2.04	1.40	11.0	0.02	0.02	2.14	2.16	0.02	0.54	0.56	—	2,472	2,472	0.13	0.13	7.75	2,522
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.72	1.61	1.35	9.58	0.02	0.02	1.78	1.80	0.02	0.45	0.47	—	1,961	1,961	0.13	0.12	0.17	2,001
Other 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
Apartments Low Rise	0.35	0.32	0.27	1.92	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	394	394	0.03	0.02	0.03	402
Total	2.07	1.94	1.62	11.5	0.02	0.02	2.14	2.16	0.02	0.54	0.56	—	2,355	2,355	0.16	0.14	0.20	2,403

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.30	0.29	0.23	1.59	< 0.005	< 0.005	0.31	0.31	< 0.005	0.08	0.08	—	319	319	0.02	0.02	0.45	326
Other 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
Apartments Low Rise	0.06	0.05	0.04	0.29	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	58.7	58.7	< 0.005	< 0.005	0.08	59.9
Total	0.36	0.34	0.27	1.88	< 0.005	< 0.005	0.37	0.37	< 0.005	0.09	0.10	—	378	378	0.02	0.02	0.53	386

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.03	< 0.005	—	202
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0	< 0.005	< 0.005	—	23.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	223	223	0.04	< 0.005	—	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.03	< 0.005	—	202
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	23.0	23.0	< 0.005	< 0.005	—	23.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	223	223	0.04	< 0.005	—	226
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	33.2	33.2	0.01	< 0.005	—	33.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3.81	3.81	< 0.005	< 0.005	—	3.85
Total	—	—	—	—	—	—	—	—	—	—	—	—	37.0	37.0	0.01	< 0.005	—	37.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06	0.03	0.49	0.21	< 0.005	0.04	—	0.04	0.04	—	0.04	—	617	617	0.05	< 0.005	—	618

Other 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
Apartments Low Rise	0.01	< 0.005	0.05	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.0	62.0	0.01	< 0.005	—	62.2
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	679	679	0.06	< 0.005	—	681
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06	0.03	0.49	0.21	< 0.005	0.04	—	0.04	0.04	—	0.04	—	617	617	0.05	< 0.005	—	618
Other 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
Apartments Low Rise	0.01	< 0.005	0.05	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	62.0	62.0	0.01	< 0.005	—	62.2
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	679	679	0.06	< 0.005	—	681
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.09	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Other 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
Apartments Low Rise	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.3	10.3	< 0.005	< 0.005	—	10.3
Total	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	112	112	0.01	< 0.005	—	113

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	365	365	0.01	< 0.005	—	365
Consumer Products	—	5.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.33	0.31	0.03	3.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.56	9.56	< 0.005	< 0.005	—	9.59
Total	0.36	6.82	0.32	3.70	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	375	375	0.01	< 0.005	—	375
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	365	365	0.01	< 0.005	—	365
Consumer Products	—	5.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.03	6.51	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	365	365	0.01	< 0.005	—	365
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	1.49	1.49	< 0.005	< 0.005	—	1.49

Consumer Products	—	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.03	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Total	0.03	1.21	< 0.005	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	2.27	2.27	< 0.005	< 0.005	—	2.28

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.37	14.8	18.2	0.35	0.01	—	29.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.79	1.50	2.29	0.08	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	4.17	16.3	20.5	0.43	0.01	—	34.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.37	14.8	18.2	0.35	0.01	—	29.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.79	1.50	2.29	0.08	< 0.005	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	—	4.17	16.3	20.5	0.43	0.01	—	34.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.56	2.45	3.01	0.06	< 0.005	—	4.87
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.13	0.25	0.38	0.01	< 0.005	—	0.81
Total	—	—	—	—	—	—	—	—	—	—	—	0.69	2.70	3.39	0.07	< 0.005	—	5.68

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	17.3	0.00	17.3	1.73	0.00	—	60.5

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	4.80	0.00	4.80	0.48	0.00	—	16.8
Total	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	17.3	0.00	17.3	1.73	0.00	—	60.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	4.80	0.00	4.80	0.48	0.00	—	16.8
Total	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.86	0.00	2.86	0.29	0.00	—	10.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	0.79	0.00	0.79	0.08	0.00	—	2.78
Total	—	—	—	—	—	—	—	—	—	—	—	3.66	0.00	3.66	0.37	0.00	—	12.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.81	1.81
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.84	1.84
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.81	1.81
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.84	1.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	9/1/2025	9/26/2025	5.00	20.0	—
Site Preparation	Site Preparation	9/29/2025	10/10/2025	5.00	10.0	—
Grading	Grading	10/13/2025	11/21/2025	5.00	30.0	—

Building Construction	Building Construction	11/24/2025	1/15/2027	5.00	300	—
Paving	Paving	1/18/2027	2/12/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	2/15/2027	3/12/2027	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	Concrete/Industrial Saws	Diesel	Tier 4 Interim	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Interim	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36

Paving	Rollers	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	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	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	8.75	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	33.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	27.0	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	6.73	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.40	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	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

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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	520,087	173,362	0.00	0.00	2,449

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 (Building Square Footage)	Acres Paved (acres)
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Demolition	0.00	0.00	0.00	15,206	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	1,700	6,300	90.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.56	0%
Other Asphalt Surfaces	0.94	100%
Apartments Low Rise	—	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	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005
2027	0.00	204	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
Single Family Housing	481	487	436	173,625	2,475	2,501	2,242	892,667
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	87.8	97.7	75.4	31,924	452	502	387	164,132

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	10
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	41
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	6
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	6
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

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)
520086.82499999995	173,362	0.00	0.00	2,449

5.10.3. Landscape Equipment

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)
Single Family Housing	358,461	204	0.0330	0.0040	1,924,236
Other Asphalt Surfaces	0.00	204	0.0330	0.0040	0.00
Apartments Low Rise	41,163	204	0.0330	0.0040	193,426

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	1,759,676	3,060,616
Other Asphalt Surfaces	0.00	0.00
Apartments Low Rise	414,041	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	32.1	—
Other Asphalt Surfaces	0.00	—
Apartments Low Rise	8.91	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

8. User Changes to Default Data

Screen	Justification
Land Use	The land use types include: "Single family housing" for 51 homes over 10.8 acres (total acreage) "Parking - other asphalt surfaces" includes driveways and the interior street "Apartments Low Rise" was selected for the 12 ADU's, which is the land use type consistent with the traffic study conducted for the project
Construction: Off-Road Equipment	Tier 4 for all equipment as required by the City of Napa's General Plan, policy NRC 5-4.
Construction: Construction Phases	Updated CalEEMod construction calendar to reflect work done Monday - Friday.

Paving Haul Trip Calculation

On-Site Roads/Parking (sf)	65,300	(paved area in CalEEMod - Driveways + Interior Road)
Asphalt volume (cube feet) assume 6 inch pavement	32,650	
Asphalt volume (cy)	1,209	
Asphalt Density (ton/cy)	2.025	
Asphalt weight (ton)	2,449	
Capacity per vendor truck (ton per truck)	20	
Asphalt Vendor Deliveries (# of trucks)	122.4	
Days in paving phase	20	
Truck visits per day	7.000	
One-Way Trips per day	14	

¹ Source: Site Plans Dated 12/18/2023.

1 cubic yard of hot asphalt mix weighs 2.025 tons or 4050 lbs.

< 4 trips per day - not necessary to include in CalEEMod minimal emissions

Zinfandel Subdivision Project Construction HRA Inputs

Estimation of Annual Offsite Construction Emissions (Project Site) - PM10 Exhaust

Start of Construction	9/1/2025
End of Construction	3/12/2027
NetWork Days	400
Years	1.53
Total Working Hours	3,200

Construction		Off-Site Diesel PM10 Exhaust (lbs)			
Year		Haul	Vendor	Worker	Total
2025	Demolition	0.231	-	-	0.23
2025	Site Preparation	-	-	-	-
2025	Grading	1.323	-	-	1.32
2025	Building Construction	-	0.068	-	0.07
2026	Building Construction	-	0.650	-	0.65
2027	Building Construction	-	0.027	-	0.03
2027	Paving	-	-	-	-
2027	Architectural Coating	-	-	-	-
2025	Off-Site Improvements	-	-	-	-
2026	Off-Site Improvements	-	-	-	-
		1.55	0.74		2.30

Year	Haul	Vendor	Worker	Total
1: from 9/25 - 8/26	1.55	0.50	-	2.06
2: from 9/26 - 3/27	-	-	-	-
Total	1.55	0.74	-	2.30

CalEEMod Default Distance (miles)	20	8.4	11.7	NA
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Vehicle Travel Distances in the Construction HRA (miles)	Haul	Vendor	Worker
Off-site Road Segment 1	0.23	0.23	0.23
Off-site Road Segment 2	0.29	0.29	0.29
Distance TOTAL	0.51	0.51	0.51

Trip Distribution (percent)	Haul	Vendor	Worker
Off-site Road Segment 1	100%	100%	100%
Off-site Road Segment 2	100%	100%	100%

(assume 100 % of vehicles could go on either haul route)

Total DPM in lbs	Haul	Vendor	Worker	Total (lbs)
Off-site Road Segment 1	0.0175	0.0200	0	0.0375
Off-site Road Segment 2	0.0222	0.0253	0	0.0475
	0.0397	0.0453	0	0.0850

<--ADMRT w/ 1 g/s <--ADMRT w/ 1 g/s
<--ADMRT w/ 1 g/s <--ADMRT w/ 1 g/s

Modeling Input	Source	Haul	Vendor	Worker	Total (lb/hr)
AERMod Input	Off-site Road Segment 1	5.48E-06	6.25E-06	0.00E+00	1.17E-05
AERMod Input	Off-site Road Segment 2	6.93E-06	7.90E-06	0.00E+00	1.48E-05

<-- AERMOD Direct
<-- AERMOD Direct

Zinfandel Subdivision Project - Construction HRA Inputs

Offsite Construction Emissions - PM2.5 (PM2.5T includes Road Dust, Brake Wear and Tire Wear)

Start of Construction	9/1/2025
End of Construction	3/12/2027
NetWork Days	400
Years	1.53
2025 Hours	2088
2026 Hours	1112
Total Working Hours	3,200

Construction	On-site Construction	Off-Site PM2.5			
Year	Activity	Haul	Vendor	Worker	Total
2025	Demolition	1.03	-	0.56	1.59
2025	Site Preparation	-	-	0.33	0.33
2025	Grading	5.86	-	1.13	6.99
2025	Building Construction	-	0.42	1.38	1.80
2026	Building Construction	-	4.00	13.25	17.24
2027	Building Construction	-	0.16	0.54	0.71
2027	Paving	-	-	0.56	0.56
2027	Architectural Coating	-	-	0.20	0.20
2025	Off-Site	-	-	0.23	0.23
2026	Off-Site	-	-	0.16	0.16
Total		6.89	4.58	18.35	29.82

Construction	On-site Construction	Off-Site PM2.5			
Year 1	Activity	Haul	Vendor	Worker	Total
2025	Demolition	1.03	-	0.56	1.59
2025	Site Preparation	-	-	0.33	0.33
2025	Grading	5.86	-	1.13	6.99
2025	Building Construction	-	0.42	1.38	1.80
2026	Building Construction	-	2.67	8.83	11.50
2027	Building Construction	-	-	-	-
2027	Paving	-	-	-	-
2027	Architectural Coating	-	-	-	-
2025	Off-Site	-	-	0.23	0.23
2026	Off-Site	-	-	0.16	0.16
Total		6.89	3.08	12.63	22.60

Construction	On-site Construction	Off-Site PM2.5T			
Year 2	Activity	Haul	Vendor	Worker	Total
2025	Demolition	-	-	-	-
2025	Site Preparation	-	-	-	-
2025	Grading	-	-	-	-
2025	Building Construction	-	-	-	-
2026	Building Construction	-	1.33	4.41	5.74
2027	Building Construction	-	0.16	0.54	0.71
2027	Paving	-	-	0.56	0.56
2027	Architectural Coating	-	-	0.20	0.20
2025	Off-Site	-	-	-	-
2026	Off-Site	-	-	-	-
Total		-	1.50	5.72	7.22

Year	Haul	Vendor	Worker	lbs
Year 1	6.89	3.08	12.63	22.60
Year 2	-	1.50	5.72	7.22
Total	6.89	4.58	18.35	29.82

CalEEMod Default Distance (miles)	20	8.4	11.7	NA
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Vehicle Travel Distances in the Construction HRA (miles)	Haul	Vendor	Worker
Road Segment 1	0.23	0.23	0.23
Road Segment 2	0.29	0.29	0.29
Distance Total (mile)	0.51	0.51	0.51

Trip Distribution (percent)	Haul	Vendor	Worker
Off-site Road Segment 1	100%	100%	100%
Off-site Road Segment 2	100%	100%	100%

Maximum Year (Year 1)	Haul	Vendor	Worker	lbs
Road Segment 1	0.078	0.083	0.243	0.160
Road Segment 2	0.098	0.105	0.308	0.203
	0.1759	0.1874	0.5512	0.3633

<--ADMRT w/ 1 g/s

<--ADMRT w/ 1 g/s

Modeling Input	Source	Haul	Vendor	Worker	lb/yr
AERMod Input	Off-site Road Segment 1	3.72E-05	3.96E-05	1.17E-04	7.68E-05
AERMod Input	Off-site Road Segment 2	4.71E-05	5.01E-05	1.47E-04	9.72E-05

<-- AERMOD Direct

<-- AERMOD Direct

Zinfandel Subdivision Project - Construction HRA Inputs

Offsite Construction Emissions - PM2.5 (PM2.5T includes Road Dust, Brake Wear and Tire Wear)

Start of Construction	9/1/2025
End of Construction	3/12/2027
NetWork Days	400
Years	1.53
2025 Hours	2088
2026 Hours	1112
Total Working Hours	3,200

Construction	On-site Construction	Off-Site PM2.5			
Year	Activity	Haul	Vendor	Worker	Total
2025	Demolition	1.03	-	0.56	1.59
2025	Site Preparation	-	-	0.33	0.33
2025	Grading	5.86	-	1.13	6.99
2025	Building Construction	-	0.42	1.38	1.80
2026	Building Construction	-	4.00	13.25	17.24
2027	Building Construction	-	0.16	0.54	0.71
2027	Paving	-	-	0.56	0.56
2027	Architectural Coating	-	-	0.20	0.20
2025	Off-Site	-	-	0.23	0.23
2026	Off-Site	-	-	0.16	0.16
Total		6.89	4.58	18.35	29.82

Construction	On-site Construction	Off-Site PM2.5			
Year 1	Activity	Haul	Vendor	Worker	Total
2025	Demolition	1.03	-	0.56	1.59
2025	Site Preparation	-	-	0.33	0.33
2025	Grading	5.86	-	1.13	6.99
2025	Building Construction	-	0.42	1.38	1.80
2026	Building Construction	-	2.67	8.83	11.50
2027	Building Construction	-	-	-	-
2027	Paving	-	-	-	-
2027	Architectural Coating	-	-	-	-
2025	Off-Site	-	-	0.23	0.23
2026	Off-Site	-	-	0.16	0.16
Total		6.89	3.08	12.63	22.60

Construction	On-site Construction	Off-Site PM2.5T			
Year 2	Activity	Haul	Vendor	Worker	Total
2025	Demolition	-	-	-	-
2025	Site Preparation	-	-	-	-
2025	Grading	-	-	-	-
2025	Building Construction	-	-	-	-
2026	Building Construction	-	1.33	4.41	5.74
2027	Building Construction	-	0.16	0.54	0.71
2027	Paving	-	-	0.56	0.56
2027	Architectural Coating	-	-	0.20	0.20
2025	Off-Site	-	-	-	-
2026	Off-Site	-	-	-	-
Total		-	1.50	5.72	7.22

Year	Haul	Vendor	Worker	lbs
Year 1	6.89	3.08	12.63	22.60
Year 2	-	1.50	5.72	7.22
Total	6.89	4.58	18.35	29.82

CalEEMod Default Distance (miles)	20	8.4	11.7	NA
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Vehicle Travel Distances in the Construction HRA (miles)	Haul	Vendor	Worker
Road Segment 1	0.23	0.23	0.23
Road Segment 2	0.29	0.29	0.29
Distance Total (mile)	0.51	0.51	0.51

Trip Distribution (percent)	Haul	Vendor	Worker
Off-site Road Segment 1	100%	100%	100%
Off-site Road Segment 2	100%	100%	100%

Maximum Year (Year 1)	Haul	Vendor	Worker	lbs
Road Segment 1	0.078	0.083	0.243	0.160
Road Segment 2	0.098	0.105	0.308	0.203
	0.1759	0.1874	0.5512	0.3633

<--ADMRT w/ 1 g/s

<--ADMRT w/ 1 g/s

Modeling Input	Source	Haul	Vendor	Worker	lb/yr
AERMod Input	Off-site Road Segment 1	3.72E-05	3.96E-05	1.17E-04	7.68E-05
AERMod Input	Off-site Road Segment 2	4.71E-05	5.01E-05	1.47E-04	9.72E-05

<-- AERMOD Direct

<-- AERMOD Direct

Zinfandel Subdivision Project Construction HRA Inputs

Estimation of Annual Onsite Construction Emissions (Project Site) - PM2.5T

Start of Construction	9/1/2025
End of Construction	3/12/2027
Site Area (m²)	38820
NetWork Days	400
Years	1.55
Year 1 Hours	2088
Year 2 Hours	1112
Total Working Hours	3,000

Emissions in lbs

Year	Activity	Onsite PM2.5T	Off-Road Eqpt Exhaust	Demolition Dust	Dust from Material Movement	On-Site Trucks
2025	Demolition	5.31	3.79	1.517	-	-
2025	Site Preparation	40.40	1.00	-	39.400	-
2025	Grading	48.10	5.31	-	42.789	-
2025	Building Construction	2.26	2.26	-	-	-
2026	Building Construction	21.72	21.72	-	-	-
2027	Building Construction	0.89	0.89	-	-	-
2027	Paving	1.62	1.62	-	-	-
2027	Architectural Coating	0.56	0.56	-	-	-
2025	Off-Site	2.56	2.56	-	-	-
2026	Off-Site	0.79	0.79	-	-	-
		124.22	40.51	1.52	82.19	0.00

Year 1 Emissions	Activity	PM2.5 (lb)
2025	Demolition	5.31
2025	Site Preparation	40.40
2025	Grading	48.10
2025	Building Construction	2.26
2026	Building Construction	14.49
2027	Building Construction	0.00
2027	Paving	0.00
2027	Architectural Coating	0.00
2025	Off-Site	2.56
2026	Off-Site	0.79
	Total	113.90
AERMOD Input	Hourly lb/hr	0.05
HARP-ADMRT	Annualized (lb/yr)	113.90

<--ADMRT w/ 1 g/s

<-- AERMOD Direct

Year 2 Emissions	Activity	PM2.5 (lbs)
2025	Demolition	0.00
2025	Site Preparation	0.00
2025	Grading	0.00
2025	Building Construction	0.00
2026	Building Construction	7.25
2027	Building Construction	0.89
2027	Paving	1.62
2027	Architectural Coating	0.56
2025	Off-Site	0.00
2026	Off-Site	0.00
	Total	10.33
	Annualized (lb/yr)	18.79

Control Pathway

AERMOD

Dispersion Options

Titles Napa Zinfadel Subdivision DPM Construction HRA	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
	Output Type ☒ Concentration ☐ Total Deposition (Dry & Wet) ☐ Dry Deposition ☐ Wet Deposition
	Plume Depletion ☐ Dry Removal ☐ Wet Removal
	Output Warnings ☐ No Output Warnings ☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM10	Exponential Decay ☒ Half-life of 4 hrs will be used
Averaging Time Options Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☒ Period ☐ Annual	Terrain Height Options ☐ Flat ☒ Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors ☐ Yes ☒ No Default Height = 0.00 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: ConHRA.err

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: SITE (Constuction Site)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
21.94	5.00	4.36E-8	1.40	11	559715.23	4243254.83
		4.36E-8			559821.25	4243286.02
		4.36E-8			559834.57	4243243.36
		4.36E-8			559885.60	4243258.87
		4.36E-8			559862.87	4243299.64
		4.36E-8			559928.91	4243320.45
		4.36E-8			560069.81	4243092.44
		4.36E-8			560000.09	4243077.24
		4.36E-8			559956.39	4243146.22
		4.36E-8			559853.92	4243143.74
		4.36E-8			559774.86	4243161.13

Line Volume Sources

Source Type: LINE VOLUME

Source: HAUL1 (EI Centro Avenue - East of the Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
13.00	1.47E-6		559873.23	4243307.91	21.68	3.40
			560218.87	4243418.21	20.75	3.40

Source Type: LINE VOLUME

Source: HAUL2 (EI Centro Avenue - West of the Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
13.00	1.86E-6		559856.43	4243304.24	21.73	3.40
			559419.54	4243171.69	23.17	3.40
			559421.97	4243171.69	23.09	3.40

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL1	L0000126	559879.42	4243309.88	21.69	3.40	5.26E-8	13.00		6.05	3.16
	L0000127	559891.81	4243313.83	21.67	3.40	5.26E-8	13.00		6.05	3.16
	L0000128	559904.19	4243317.79	21.66	3.40	5.26E-8	13.00		6.05	3.16
	L0000129	559916.58	4243321.74	21.61	3.40	5.26E-8	13.00		6.05	3.16
	L0000130	559928.96	4243325.69	21.58	3.40	5.26E-8	13.00		6.05	3.16
	L0000131	559941.35	4243329.64	21.58	3.40	5.26E-8	13.00		6.05	3.16
	L0000132	559953.73	4243333.60	21.51	3.40	5.26E-8	13.00		6.05	3.16
	L0000133	559966.12	4243337.55	21.48	3.40	5.26E-8	13.00		6.05	3.16
	L0000134	559978.50	4243341.50	21.52	3.40	5.26E-8	13.00		6.05	3.16
	L0000135	559990.89	4243345.45	21.52	3.40	5.26E-8	13.00		6.05	3.16
	L0000136	560003.27	4243349.41	21.50	3.40	5.26E-8	13.00		6.05	3.16
	L0000137	560015.66	4243353.36	21.47	3.40	5.26E-8	13.00		6.05	3.16
	L0000138	560028.04	4243357.31	21.34	3.40	5.26E-8	13.00		6.05	3.16
	L0000139	560040.42	4243361.26	21.28	3.40	5.26E-8	13.00		6.05	3.16
	L0000140	560052.81	4243365.21	21.36	3.40	5.26E-8	13.00		6.05	3.16
	L0000141	560065.19	4243369.17	21.41	3.40	5.26E-8	13.00		6.05	3.16
	L0000142	560077.58	4243373.12	21.44	3.40	5.26E-8	13.00		6.05	3.16
	L0000143	560089.96	4243377.07	21.36	3.40	5.26E-8	13.00		6.05	3.16
	L0000144	560102.35	4243381.02	21.29	3.40	5.26E-8	13.00		6.05	3.16
	L0000145	560114.73	4243384.98	21.20	3.40	5.26E-8	13.00		6.05	3.16
	L0000146	560127.12	4243388.93	21.21	3.40	5.26E-8	13.00		6.05	3.16
	L0000147	560139.50	4243392.88	21.19	3.40	5.26E-8	13.00		6.05	3.16
	L0000148	560151.89	4243396.83	21.07	3.40	5.26E-8	13.00		6.05	3.16
	L0000149	560164.27	4243400.79	21.04	3.40	5.26E-8	13.00		6.05	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL1	L0000150	560176.66	4243404.74	21.04	3.40	5.26E-8	13.00		6.05	3.16
	L0000151	560189.04	4243408.69	20.90	3.40	5.26E-8	13.00		6.05	3.16
	L0000152	560201.42	4243412.64	20.82	3.40	5.26E-8	13.00		6.05	3.16
	L0000153	560213.81	4243416.60	20.78	3.40	5.26E-8	13.00		6.05	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL2	L0000154	559850.21	4243302.35	21.77	3.40	5.33E-8	13.00		6.05	3.16
	L0000155	559837.77	4243298.58	21.86	3.40	5.33E-8	13.00		6.05	3.16
	L0000156	559825.33	4243294.81	21.85	3.40	5.33E-8	13.00		6.05	3.16
	L0000157	559812.89	4243291.03	21.89	3.40	5.33E-8	13.00		6.05	3.16
	L0000158	559800.45	4243287.26	21.92	3.40	5.33E-8	13.00		6.05	3.16
	L0000159	559788.01	4243283.48	21.94	3.40	5.33E-8	13.00		6.05	3.16
	L0000160	559775.57	4243279.71	21.99	3.40	5.33E-8	13.00		6.05	3.16
	L0000161	559763.13	4243275.93	22.03	3.40	5.33E-8	13.00		6.05	3.16
	L0000162	559750.69	4243272.16	22.04	3.40	5.33E-8	13.00		6.05	3.16
	L0000163	559738.25	4243268.39	21.99	3.40	5.33E-8	13.00		6.05	3.16
	L0000164	559725.81	4243264.61	22.00	3.40	5.33E-8	13.00		6.05	3.16
	L0000165	559713.37	4243260.84	22.02	3.40	5.33E-8	13.00		6.05	3.16
	L0000166	559700.93	4243257.06	22.01	3.40	5.33E-8	13.00		6.05	3.16
	L0000167	559688.49	4243253.29	22.05	3.40	5.33E-8	13.00		6.05	3.16
	L0000168	559676.05	4243249.52	22.07	3.40	5.33E-8	13.00		6.05	3.16
	L0000169	559663.61	4243245.74	22.11	3.40	5.33E-8	13.00		6.05	3.16
	L0000170	559651.17	4243241.97	22.14	3.40	5.33E-8	13.00		6.05	3.16
	L0000171	559638.73	4243238.19	22.22	3.40	5.33E-8	13.00		6.05	3.16
	L0000172	559626.29	4243234.42	22.28	3.40	5.33E-8	13.00		6.05	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL2	L0000173	559613.85	4243230.64	22.31	3.40	5.33E-8	13.00		6.05	3.16
	L0000174	559601.41	4243226.87	22.38	3.40	5.33E-8	13.00		6.05	3.16
	L0000175	559588.97	4243223.10	22.46	3.40	5.33E-8	13.00		6.05	3.16
	L0000176	559576.53	4243219.32	22.47	3.40	5.33E-8	13.00		6.05	3.16
	L0000177	559564.09	4243215.55	22.44	3.40	5.33E-8	13.00		6.05	3.16
	L0000178	559551.65	4243211.77	22.38	3.40	5.33E-8	13.00		6.05	3.16
	L0000179	559539.21	4243208.00	22.38	3.40	5.33E-8	13.00		6.05	3.16
	L0000180	559526.77	4243204.22	22.34	3.40	5.33E-8	13.00		6.05	3.16
	L0000181	559514.33	4243200.45	22.31	3.40	5.33E-8	13.00		6.05	3.16
	L0000182	559501.89	4243196.68	22.33	3.40	5.33E-8	13.00		6.05	3.16
	L0000183	559489.45	4243192.90	22.44	3.40	5.33E-8	13.00		6.05	3.16
	L0000184	559477.01	4243189.13	22.58	3.40	5.33E-8	13.00		6.05	3.16
	L0000185	559464.57	4243185.35	22.71	3.40	5.33E-8	13.00		6.05	3.16
	L0000186	559452.13	4243181.58	22.80	3.40	5.33E-8	13.00		6.05	3.16
	L0000187	559439.69	4243177.80	22.89	3.40	5.33E-8	13.00		6.05	3.16
	L0000188	559427.25	4243174.03	23.06	3.40	5.33E-8	13.00		6.05	3.16

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor: 1E6
Emission Unit Label: GRAMS/SEC
Concentration Unit Label: MICROGRAMS/M**3

Source Groups

Source Group ID: DPM	List of Sources in Group (Source Range or Single Sources)
	SITE
	HAUL1
	HAUL2

Variable Emissions

Source Pathway

AERMOD

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 2

Source ID:		SITE						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		HAUL1						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		HAUL2						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	559786.01	4243494.30	R	23.25	
2	559570.86	4243381.48	R	23.01	
3	559565.87	4242975.51	R	22.84	
4	559511.05	4243435.34	R	23.28	
5	560032.27	4242845.32	R	20.66	
6	559795.41	4243066.26	R	21.40	
7	559721.96	4243433.92	R	22.80	
8	559659.31	4242922.17	R	22.39	
9	559877.27	4242873.72	R	21.29	
10	559574.83	4243020.19	R	22.22	
11	559743.33	4243332.91	R	22.82	
12	559869.06	4242898.59	R	21.65	
13	560006.74	4243008.25	R	21.03	
14	560066.78	4243502.16	R	22.03	
15	559836.76	4243382.94	R	22.22	
16	560083.40	4243004.76	R	20.64	
17	560021.71	4242979.31	R	20.70	
18	560055.05	4242907.46	R	20.57	
19	559616.83	4243316.29	N	22.74	
20	560008.87	4243388.83	R	22.19	
21	560034.04	4243261.70	R	21.59	
22	560206.20	4243382.97	R	21.00	
23	559831.45	4242864.27	R	21.47	
24	560156.29	4242959.68	R	20.39	
25	560001.86	4243313.68	R	21.80	
26	559504.32	4243463.10	R	23.99	
27	560143.42	4243458.54	R	21.67	
28	559680.13	4242897.87	R	22.01	
29	560230.00	4243053.97	R	20.29	
30	560119.61	4243496.80	R	21.98	

Receptor Pathway

AERMOD

31	559805.07	4243412.79	R	22.37
32	560111.74	4243546.12	R	22.35
33	559861.62	4243463.76	R	22.39
34	560236.03	4243399.06	R	21.26
35	559642.88	4243093.46	R	21.91
36	559745.12	4242871.68	R	22.28
37	560207.57	4242848.73	R	19.74
38	560110.43	4243344.11	R	21.62
39	559566.84	4243075.29	R	22.17
40	560022.44	4243196.30	R	21.21
41	560236.67	4243105.01	R	20.27
42	559582.48	4243444.21	R	22.92
43	559759.51	4243308.54	R	22.53
44	559859.74	4243332.25	R	21.92
45	559538.00	4243477.04	R	24.06
46	559527.04	4243344.16	R	22.89
47	559564.93	4243357.00	R	22.82
48	560060.28	4242993.23	R	20.61
49	559704.45	4243426.69	R	22.73
50	559722.16	4243107.71	R	21.51
51	559584.64	4243294.82	R	22.60
52	559940.77	4242913.90	R	21.46
53	559554.06	4243238.34	R	22.53
54	559618.39	4242914.99	R	22.75
55	559988.12	4243058.62	R	21.13
56	559666.30	4243195.51	R	21.99
57	559984.32	4242996.74	R	21.00
58	559742.03	4243384.37	R	22.87
59	559797.87	4242883.35	R	21.85
60	560103.63	4242860.49	R	20.38
61	559607.28	4243463.91	R	23.20
62	559711.85	4243384.50	R	22.75
63	560175.96	4243042.52	R	20.40
64	560244.37	4243026.44	R	20.03
65	559851.41	4243499.65	R	22.53
66	559733.46	4243054.66	R	21.50
67	560226.61	4243022.68	R	20.17
68	559833.87	4242934.19	N	21.46

Receptor Pathway

AERMOD

69	559630.13	4243424.04	R	23.07
70	559547.54	4243400.52	R	23.07
71	559694.89	4243503.94	R	23.52
72	559601.09	4243411.18	R	22.74
73	560139.26	4242868.10	R	20.32
74	559851.04	4242894.73	R	21.69
75	560192.81	4242967.45	R	20.25
76	560150.83	4243221.88	R	20.68
77	559487.61	4243456.20	R	23.84
78	560026.90	4243012.56	R	20.97
79	560249.21	4243058.37	R	20.15
80	559686.93	4243326.07	R	22.89
81	560003.70	4242975.52	R	20.78
82	559730.62	4243527.93	R	23.49
83	560196.43	4243349.59	R	20.64
84	559614.50	4243329.88	N	22.66
85	559514.28	4243074.03	N	22.78
86	560041.75	4243032.06	R	20.80
87	559500.73	4243432.56	R	23.36
88	559619.52	4243439.51	R	23.09
89	560010.30	4243299.81	R	21.77
90	559586.71	4243079.99	R	22.14
91	560210.92	4242971.31	R	20.16
92	559762.73	4242840.41	R	21.81
93	559511.01	4243133.55	R	22.58
94	560244.65	4243370.08	R	21.27
95	559578.23	4242978.08	R	22.62
96	560157.65	4242872.05	R	20.26
97	559680.10	4242903.04	R	22.10
98	559969.76	4243054.81	R	21.08
99	560030.33	4243183.00	R	21.21
100	559513.95	4243409.22	R	23.24
101	559535.34	4243395.75	R	23.13
102	560047.88	4243296.78	R	21.64
103	560014.58	4242841.32	R	20.69
104	559813.64	4243062.30	R	21.37
105	560019.78	4242899.99	R	20.56
106	559880.71	4243433.23	R	22.01

Receptor Pathway

AERMOD

107	560147.06	4243084.52	R	20.42
108	560200.50	4243096.88	R	20.26
109	559787.28	4243303.30	R	22.16
110	559639.89	4243408.22	R	22.97
111	560208.80	4243018.87	R	20.24
112	560211.95	4243050.13	R	20.38
113	559655.45	4243269.31	R	22.49
114	560155.12	4243007.47	R	20.44
115	559974.13	4243273.88	R	21.70
116	559966.28	4243286.48	R	21.77
117	559859.18	4243487.27	R	22.45
118	560050.20	4242849.13	R	20.63
119	559669.73	4243445.42	R	23.27
120	559780.78	4243314.63	R	22.23
121	560126.74	4242922.65	R	20.38
122	559669.44	4243159.44	R	21.96
123	560182.63	4243092.74	R	20.40
124	560130.45	4243312.04	R	21.49
125	559666.65	4242971.22	R	22.58
126	559545.43	4243369.17	R	22.97
127	559944.35	4242998.73	R	21.11
128	560073.20	4242911.31	R	20.50
129	560153.51	4243440.10	R	21.73
130	559874.43	4243472.18	R	22.37
131	560126.93	4243411.12	R	21.64
132	560192.42	4243476.59	R	21.09
133	560263.87	4243030.77	R	20.07
134	559575.50	4243459.11	R	23.07
135	559884.97	4243336.55	R	21.91
136	559547.08	4243449.24	R	23.11
137	560232.64	4243285.22	R	21.02
138	559681.42	4243220.92	R	22.07
139	560059.81	4243277.66	R	21.47
140	559759.24	4243480.65	R	23.39
141	559723.31	4243467.55	R	23.48
142	559803.70	4242927.76	R	21.61
143	559668.85	4243361.59	R	22.85
144	559838.37	4243422.81	R	22.35

Receptor Pathway

AERMOD

145	559481.02	4243377.83	R	23.19
146	560085.99	4243333.12	R	21.69
147	560122.64	4243031.19	R	20.62
148	559909.08	4242991.33	R	21.27
149	559635.41	4243295.63	N	22.87
150	560082.85	4243182.55	R	21.48
151	560026.47	4243273.87	R	21.68
152	559763.96	4243115.31	R	21.47
153	560228.73	4242975.13	R	20.13
154	559658.61	4242941.50	R	22.53
155	559652.99	4243155.17	R	21.93
156	560180.29	4242934.00	R	20.21
157	559919.23	4243112.07	R	21.24
158	559561.90	4243407.04	R	23.06
159	560066.06	4243258.49	R	21.49
160	560104.03	4243028.33	R	20.66
161	559714.92	4243508.14	R	23.48
162	560287.11	4243076.13	R	20.14
163	559593.51	4242939.22	N	22.26
164	560137.29	4243003.72	R	20.49
165	560016.73	4243374.17	R	21.98
166	559852.30	4243426.93	R	22.29
167	560210.86	4242883.43	R	19.96
168	560063.81	4243350.03	R	21.90
169	560175.37	4242875.83	R	20.28
170	559572.24	4243408.41	R	22.92
171	560289.73	4242866.02	R	19.58
172	560190.95	4243015.10	R	20.18
173	560042.19	4243248.68	R	21.41
174	560171.87	4243501.91	R	21.19
175	560035.95	4243315.89	R	21.78
176	559534.50	4243443.22	R	23.12
177	559611.09	4243172.89	R	22.13
178	559590.27	4242980.32	R	22.58
179	559483.08	4243211.67	R	22.64
180	560018.87	4243286.10	R	21.68
181	559668.43	4243038.89	R	21.73
182	560094.13	4243464.58	R	21.89

Receptor Pathway

AERMOD

183	560164.92	4243088.63	R	20.45
184	560069.36	4243193.45	R	21.16
185	560264.06	4242982.67	R	20.07
186	560271.09	4243330.47	R	20.78
187	560129.33	4243080.45	R	20.54
188	560004.29	4243066.11	R	21.17
189	559678.67	4243500.87	R	23.41
190	559529.72	4243122.54	R	22.55
191	560146.09	4243373.84	R	21.56
192	559520.39	4243075.55	N	22.81
193	559595.24	4243422.83	R	22.79
194	559995.45	4242925.34	R	20.99
195	560074.29	4243556.98	R	22.21
196	559717.72	4243283.37	R	22.75
197	559653.02	4242994.55	R	22.68
198	559999.37	4243405.37	R	22.33
199	560107.55	4243515.23	R	22.06
200	559993.18	4243327.71	R	21.78
201	559934.80	4243047.28	R	21.13
202	559811.42	4243484.38	R	22.67
203	559845.75	4243519.67	R	22.99
204	559622.50	4243303.19	N	22.83
205	560064.65	4243208.96	R	21.30
206	560138.58	4242955.92	R	20.55
207	559559.74	4243141.43	R	22.22
208	559705.94	4243460.33	R	23.36
209	559788.55	4243545.94	R	22.98
210	559732.29	4243210.19	R	21.87
211	559859.68	4243272.73	R	21.96
212	559846.60	4242967.52	N	21.39
213	560039.67	4242983.12	R	20.62
214	559506.40	4243222.22	R	22.63
215	559665.72	4243304.28	N	22.84
216	559760.85	4243391.21	R	22.97
217	559949.70	4243313.61	R	21.82
218	559843.86	4243067.26	R	21.35
219	559605.73	4243084.52	R	21.97
220	560037.35	4242903.71	R	20.61

Receptor Pathway

AERMOD

221	559797.40	4243425.18	R	22.39
222	559693.80	4243047.03	R	21.60
223	559494.14	4243351.45	R	23.14
224	560091.32	4242915.15	R	20.47
225	559779.68	4242879.26	R	21.89
226	560262.80	4243102.67	R	20.21
227	560126.53	4243248.01	R	20.95
228	559603.09	4243018.43	R	22.00
229	559945.02	4242884.23	R	20.99
230	559881.01	4243396.49	R	22.01
231	560103.35	4242948.37	R	20.63
232	559926.25	4242994.92	R	21.28
233	559879.01	4243067.28	R	21.30
234	560140.65	4243035.02	R	20.60
235	559574.96	4243359.14	R	22.76
236	559661.70	4243097.97	R	21.89
237	560121.38	4242864.28	R	20.40
238	559641.23	4242991.51	R	22.55
239	559905.19	4242906.30	R	21.52
240	559602.36	4243186.39	R	22.32
241	559558.00	4243376.08	R	23.04
242	559539.50	4243070.01	N	22.94
243	559594.65	4243157.12	R	22.12
244	559606.93	4243399.53	R	22.66
245	560200.82	4243286.38	R	21.42
246	559609.81	4242912.60	R	22.76
247	559613.32	4243392.47	R	22.63
248	559966.56	4243412.40	R	22.36
249	559488.81	4243171.84	R	22.66
250	560094.07	4243082.68	R	20.71
251	559820.86	4243473.23	R	22.55
252	559572.31	4243491.25	R	23.91
253	560050.16	4243235.88	R	21.35
254	560049.26	4242936.82	R	20.90
255	559653.33	4242897.54	R	22.23
256	560089.56	4243541.85	R	22.33
257	559522.34	4243438.95	R	23.22
258	559589.44	4243498.34	R	23.89

Receptor Pathway

AERMOD

259	559506.37	4243141.18	R	22.60
260	559477.22	4243423.86	R	23.41
261	559630.97	4243209.04	R	22.30
262	560090.76	4242857.74	R	20.47
263	559639.51	4243194.53	R	22.15
264	559621.24	4242960.62	R	22.42
265	559960.74	4243373.51	R	22.29
266	559840.93	4243112.67	R	21.48
267	560120.95	4242952.12	R	20.51
268	560081.77	4243478.05	R	22.00
269	559833.15	4242890.91	R	21.70
270	559550.37	4243027.43	R	22.74
271	559800.27	4243501.47	R	23.10
272	559911.22	4243362.15	R	21.86
273	559898.71	4243069.31	R	21.24
274	559789.19	4242849.75	R	21.66
275	560101.00	4242997.59	R	20.66
276	560014.49	4243209.03	R	21.27
277	559686.44	4243164.08	R	21.94
278	559971.49	4243359.60	R	22.01
279	559878.81	4242870.01	R	21.25
280	559915.15	4242958.34	R	21.16
281	560109.17	4242918.93	R	20.45
282	559742.15	4243475.52	R	23.51
283	559608.18	4243345.74	N	22.56
284	559555.48	4243484.26	R	23.96
285	560228.42	4242887.79	R	19.98
286	560120.44	4243328.08	R	21.53
287	559707.55	4243299.61	R	22.79
288	559624.31	4243088.98	R	21.95
289	560199.63	4243265.81	R	21.32
290	559678.82	4243345.64	R	22.89
291	560189.90	4242844.96	R	19.86
292	560055.64	4243523.11	R	22.20
293	559605.56	4243501.90	R	23.87
294	560174.52	4242963.54	R	20.23
295	560147.49	4243516.87	R	21.86
296	560099.40	4243152.28	R	21.32

Receptor Pathway

AERMOD

297	560037.58	4243553.60	R	22.37
298	559616.11	4243155.70	R	21.96
299	559754.89	4243059.40	R	21.39
300	559678.96	4243269.79	R	22.37
301	559766.41	4242842.20	R	21.80
302	560044.57	4243425.90	S	22.10
303	559647.38	4243034.30	R	21.87
304	559563.06	4243425.66	R	23.03
305	559775.09	4243061.55	R	21.39
306	559806.84	4242859.00	R	21.62
307	560285.80	4243332.87	R	20.78
308	560130.03	4243515.42	R	22.01
309	560145.76	4243253.99	R	20.95
310	559980.41	4243014.69	R	20.87
311	559648.75	4242920.59	R	22.55
312	560251.21	4243288.66	R	20.72
313	560288.53	4242956.90	R	19.73
314	559931.70	4242961.72	R	21.04
315	560155.99	4243357.71	R	21.62
316	560247.12	4242892.24	R	19.82
317	559775.37	4243540.43	R	23.05
318	559913.34	4243405.61	R	22.04
319	559850.12	4242867.93	R	21.39
320	560144.42	4242926.41	R	20.24
321	559513.32	4243340.86	R	22.97
322	559502.22	4243334.92	R	22.97
323	560252.01	4243331.87	R	20.86
324	559851.42	4243387.49	R	22.20
325	559522.64	4243361.02	R	23.07
326	560283.21	4242898.49	R	19.80
327	559812.98	4243320.90	R	22.19
328	559598.83	4243264.82	R	22.61
329	559959.65	4242917.97	R	21.13
330	560108.44	4243133.81	R	21.19
331	559634.23	4243149.21	R	21.90
332	560104.42	4243447.11	R	21.68
333	560252.38	4242949.27	R	19.96
334	560086.20	4243320.10	R	21.53

Receptor Pathway

AERMOD

335	560176.65	4243489.06	R	21.26
336	559593.90	4243200.59	R	22.48
337	559997.26	4243327.06	R	21.81
338	559900.63	4242874.70	R	21.16
339	559998.37	4243234.95	R	21.55
340	559958.23	4243299.37	R	21.82
341	559860.88	4243065.38	R	21.41
342	560041.68	4243015.38	R	20.81
343	560166.20	4243260.44	R	20.89
344	559546.41	4242996.96	R	23.10
345	559747.98	4243531.28	R	23.43
346	559680.02	4242925.28	R	22.35
347	559659.02	4243377.45	R	22.87
348	560067.32	4242940.68	R	20.61
349	559623.72	4242916.16	R	22.76
350	560162.04	4242930.17	R	20.34
351	559952.11	4243387.99	R	22.36
352	559787.75	4243464.28	R	22.71
353	559887.34	4242902.48	R	21.56
354	559986.00	4242971.80	R	20.95
355	560216.80	4242941.73	R	20.05
356	559610.73	4242984.67	R	22.67
357	559922.93	4242879.50	R	21.05
358	559688.77	4243453.18	R	23.28
359	560193.03	4242879.61	R	20.12
360	559625.67	4243029.52	R	21.91
361	560001.31	4242896.31	R	20.66
362	559629.05	4242917.93	R	22.76
363	559509.07	4243356.24	R	23.11
364	559815.55	4243120.26	R	21.51
365	559767.87	4243349.84	R	22.46
366	559728.76	4242965.65	N	21.92
367	560282.25	4242986.58	R	20.03
368	559723.64	4243552.62	R	23.48
369	559667.47	4243527.36	R	23.43
370	559762.60	4243535.19	R	23.13
371	559669.66	4242923.72	R	22.35
372	559774.75	4243455.90	R	22.69

Receptor Pathway

AERMOD

373	559632.19	4243355.95	N	22.50
374	560249.82	4242849.85	R	19.41
375	559740.32	4243108.90	R	21.51
376	560006.38	4243222.10	R	21.46
377	559834.09	4242860.52	R	21.42
378	559832.97	4243326.95	R	22.06
379	560270.19	4242953.05	R	19.90
380	559950.16	4242965.46	R	20.86
381	560165.68	4243342.20	R	21.56
382	559965.65	4243108.99	R	21.11
383	560014.01	4242929.30	R	20.97
384	559652.94	4243215.07	R	22.21
385	559683.14	4243100.08	R	21.67
386	559632.12	4242989.18	R	22.52
387	559820.79	4243381.68	R	22.36
388	559698.69	4243540.70	R	23.65
389	560226.00	4242852.63	R	19.66
390	559621.49	4242987.00	R	22.57
391	560023.73	4243335.47	R	21.93
392	559777.21	4243408.25	R	22.83
393	560031.68	4242933.07	R	20.98
394	559486.21	4243329.84	R	22.99
395	559965.86	4242888.62	R	20.85
396	560109.24	4243285.54	R	21.36
397	559670.47	4242958.82	R	22.61
398	559649.77	4243392.37	R	22.95
399	559721.60	4243368.72	R	22.90
400	559478.95	4243121.05	N	23.01
401	560087.97	4242945.08	R	20.71
402	559885.13	4243342.45	R	21.93
403	559543.51	4243345.18	R	22.80
404	559990.38	4243247.79	R	21.54
405	559634.01	4242918.87	R	22.71
406	560236.26	4243327.06	R	20.89
407	560058.20	4243222.95	R	21.31
408	559639.43	4243342.41	N	22.56
409	559623.64	4243505.81	R	23.86
410	559538.25	4243021.15	R	22.96

Receptor Pathway

AERMOD

411	559942.05	4243406.33	R	22.55
412	560077.69	4243025.98	R	20.87
413	560140.87	4243295.28	R	21.25
414	559647.25	4242940.43	R	22.56
415	559922.58	4242910.02	R	21.47
416	560218.10	4243100.87	R	20.25
417	559893.90	4243441.30	R	22.06
418	559974.00	4243084.20	R	21.19
419	559588.30	4243384.35	R	22.98
420	559701.83	4243232.00	R	21.96
421	559658.15	4243541.78	R	23.50
422	559815.58	4242887.13	R	21.79
423	560062.56	4243047.16	R	20.85
424	559491.94	4243378.94	R	23.16
425	559551.07	4243423.14	R	23.08
426	559712.06	4243048.22	R	21.60
427	559592.10	4243366.54	R	22.76
428	559664.32	4242982.62	R	22.65
429	559538.47	4243419.08	R	23.17
430	560093.02	4243164.19	R	21.40
431	559758.10	4243449.10	R	22.87
432	559970.28	4242837.72	R	20.88
433	560277.90	4243093.99	R	20.13
434	559600.65	4242982.48	R	22.65
435	559485.74	4243398.46	R	23.26
436	559832.09	4243507.68	R	22.95
437	560121.50	4243554.59	R	22.11
438	559554.37	4243018.21	R	23.04
439	559916.87	4243043.48	R	21.23
440	559699.74	4243107.11	R	21.58
441	560065.07	4243074.55	R	20.86
442	560100.05	4243360.81	R	21.76
443	560166.31	4243421.91	R	21.48
444	559982.29	4243260.84	R	21.64
445	560114.65	4243430.19	R	21.59
446	560158.07	4243038.72	R	20.47
447	560301.85	4242902.41	R	19.76
448	560267.60	4243295.85	R	20.55

Receptor Pathway

AERMOD

449	559587.79	4243431.19	R	22.80
450	560246.17	4242868.70	R	19.75
451	559631.89	4242938.81	R	22.64
452	560146.20	4242841.88	R	19.90
453	559865.93	4243111.68	R	21.46
454	559899.59	4243039.81	R	21.37
455	559613.43	4242913.97	R	22.76
456	559526.96	4243414.81	R	23.23
457	559648.79	4243332.43	N	22.66
458	559536.71	4243123.22	R	22.50
459	559938.43	4242886.64	R	21.03
460	560179.46	4243447.88	R	21.12
461	559501.66	4243148.92	R	22.60
462	559685.79	4243419.16	R	22.70
463	559560.31	4243454.83	R	23.04
464	559856.96	4242865.31	R	21.35
465	560173.06	4243011.29	R	20.34
466	559846.79	4243362.87	R	22.04
467	559811.94	4242855.64	R	21.57
468	559866.18	4243392.03	R	22.01
469	559663.78	4242900.59	R	22.14
470	559518.16	4243117.54	R	22.62
471	559762.97	4242938.01	R	21.85
472	559799.63	4243550.39	R	23.00
473	559656.03	4243318.62	N	22.79
474	559510.02	4243072.52	N	22.78
475	559542.93	4243063.75	N	22.90
476	559697.88	4243315.07	R	22.87
477	560234.63	4242945.51	R	19.95
478	559670.86	4242944.12	R	22.58
479	560172.36	4242843.55	R	19.88
480	559891.80	4243111.78	R	21.37
481	559481.11	4243346.95	R	23.15
482	559651.61	4243299.50	N	22.83
483	559558.19	4242989.58	R	23.04
484	559924.33	4243072.57	R	20.98
485	559623.16	4243481.84	R	23.41
486	560193.83	4243046.29	R	20.38

Receptor Pathway

AERMOD

487	560131.43	4243477.94	R	21.79
488	559529.55	4243229.40	R	22.56
489	560119.34	4242999.88	R	20.49
490	559520.87	4243469.97	R	23.97
491	559732.38	4243351.81	R	22.92
492	560082.23	4243239.61	R	21.36
493	559771.70	4243487.39	R	23.39
494	559895.40	4242877.47	R	21.20
495	559788.99	4243119.56	R	21.38
496	559573.13	4243174.68	R	22.24
497	560246.30	4242978.89	R	20.11
498	560068.02	4242852.91	R	20.56
499	559785.01	4242851.13	R	21.68
500	559487.58	4243425.85	R	23.39
501	560027.11	4243064.68	R	21.09
502	559762.26	4242875.51	R	22.00
503	559640.36	4243255.95	R	22.46
504	559625.40	4242949.80	R	22.55
505	559987.28	4243422.38	R	22.43
506	559559.81	4243002.57	R	23.03
507	559739.45	4243441.19	R	22.88
508	560180.58	4243220.85	R	20.88
509	560295.75	4243060.08	R	20.09
510	560244.31	4243381.67	R	21.32
511	559496.65	4243157.15	R	22.61
512	559643.54	4243486.30	R	23.15
513	560175.83	4243326.33	R	21.39
514	559491.95	4243164.88	R	22.68
515	560098.78	4243302.22	R	21.49
516	560198.71	4242937.91	R	20.14
517	560111.46	4243078.10	R	20.63
518	559901.30	4243422.45	R	22.11
519	559626.87	4243369.51	R	22.48
520	560186.79	4243309.49	R	21.31
521	559619.68	4243379.51	R	22.51
522	560284.57	4243301.06	R	20.54
523	559885.27	4242811.75	R	21.66
524	559903.40	4242820.21	R	21.52

Receptor Pathway

AERMOD

525	559917.90	4242825.04	R	21.42
526	559939.65	4242805.70	R	21.45
527	559971.08	4242815.37	R	21.08
528	559973.50	4242798.45	R	21.08
529	560019.43	4242811.75	R	20.75
530	560038.76	4242811.75	R	20.76
531	560058.10	4242817.79	R	20.53
532	560072.61	4242825.04	R	20.51
533	560102.82	4242826.25	R	20.48
534	560139.08	4242819.00	R	19.90
535	560303.46	4243043.81	R	20.03
536	560309.50	4243029.30	R	20.04
537	560319.17	4242999.09	R	19.95
538	560320.38	4242967.66	R	19.72
539	559936.03	4243481.34	S	22.37
540	559975.91	4243500.67	S	22.41
541	559992.84	4243511.55	S	22.43
542	560026.68	4243523.64	S	22.19
543	559939.65	4243460.79	S	22.27
544	559936.03	4243442.66	S	22.19
545	559961.41	4243442.66	S	22.23
546	560003.71	4243460.79	S	22.31
547	560042.39	4243484.96	S	22.34
548	560046.02	4243462.00	S	22.30
549	560060.52	4243440.24	S	22.25
550	560021.84	4243579.24	R	22.21
551	560038.76	4243592.53	R	22.11
552	560052.06	4243599.78	R	22.01
553	559753.52	4243136.87		21.59
554	560125.00	4243225.00		20.52
555	560225.00	4243225.00	P	20.71
556	560275.00	4243225.00	P	20.55
557	560325.00	4243225.20	P	20.00
558	560325.00	4243275.00	P	20.23
559	560125.00	4243175.00	P	20.16
560	560175.01	4243175.00	P	20.26
561	560225.00	4243175.00	P	20.43
562	560275.00	4243175.00	P	20.40

Receptor Pathway

AERMOD

563	560325.00	4243175.00	P	20.10
564	560325.00	4243125.00	P	19.90
565	560375.00	4243075.00	P	19.92
566	560125.00	4243225.00	P	20.52
567	559781.90	4242994.98	P	21.62
568	559849.49	4243560.25	P	22.95
569	559884.01	4243576.07	P	23.23
570	559927.16	4243591.90	P	22.84
571	559958.81	4243607.72	P	22.63
572	559978.94	4243584.70	P	22.16
573	559938.67	4243563.13	P	22.46
574	559894.08	4243553.06	P	22.63
575	559863.88	4243537.24	P	22.56
576	560029.29	4243479.71	S	22.31

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	R	Residential
2	N	Non-Residential
3	S	School
4	P	Park - Open Space

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: KAPC13_17.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: KAPC13_17.PFL
Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 4.30 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2013			NAPA CO AIRPORT, CA US
Upper Air		2013			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2013 Start Hour: 1 End Date: 12/31/2017 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Results Summary

Napa Zinfadel Subdivision
DPM Construction HRA

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.02409	ug/m^3	559966.28	4243286.48	21.77	0.00	21.77	

Control Pathway

AERMOD

Dispersion Options

Titles Napa Zinfadel Subdivision PM2.5 Construction Modeling	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
	Output Type ☒ Concentration ☐ Total Deposition (Dry & Wet) ☐ Dry Deposition ☐ Wet Deposition
	Plume Depletion ☐ Dry Removal ☐ Wet Removal
	Output Warnings ☐ No Output Warnings ☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM10 Averaging Time Options Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☒ Period ☐ Annual	Exponential Decay Half-life of 4 hrs will be used Terrain Height Options ☐ Flat ☒ Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors ☐ Yes ☒ No Default Height = 0.00 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: ConPM25.err

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: SITE (Constuction Site)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
21.94	5.00	1.82E-7	1.40	11	559715.23	4243254.83
		1.82E-7			559821.25	4243286.02
		1.82E-7			559834.57	4243243.36
		1.82E-7			559885.60	4243258.87
		1.82E-7			559862.87	4243299.64
		1.82E-7			559928.91	4243320.45
		1.82E-7			560069.81	4243092.44
		1.82E-7			560000.09	4243077.24
		1.82E-7			559956.39	4243146.22
		1.82E-7			559853.92	4243143.74
		1.82E-7			559774.86	4243161.13

Line Volume Sources

Source Type: LINE VOLUME

Source: HAUL1 (EI Centro Avenue - East of the Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
13.00	9.68E-6		559873.23	4243307.91	21.68	3.40
			560218.87	4243418.21	20.75	3.40

Source Type: LINE VOLUME

Source: HAUL2 (EI Centro Avenue - West of the Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
13.00	0.00001		559856.43	4243304.24	21.73	3.40
			559419.54	4243171.69	23.17	3.40
			559421.97	4243171.69	23.09	3.40

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL1	L0000189	559879.42	4243309.88	21.69	3.40	3.46E-7	13.00		6.05	3.16
	L0000190	559891.81	4243313.83	21.67	3.40	3.46E-7	13.00		6.05	3.16
	L0000191	559904.19	4243317.79	21.66	3.40	3.46E-7	13.00		6.05	3.16
	L0000192	559916.58	4243321.74	21.61	3.40	3.46E-7	13.00		6.05	3.16
	L0000193	559928.96	4243325.69	21.58	3.40	3.46E-7	13.00		6.05	3.16
	L0000194	559941.35	4243329.64	21.58	3.40	3.46E-7	13.00		6.05	3.16
	L0000195	559953.73	4243333.60	21.51	3.40	3.46E-7	13.00		6.05	3.16
	L0000196	559966.12	4243337.55	21.48	3.40	3.46E-7	13.00		6.05	3.16
	L0000197	559978.50	4243341.50	21.52	3.40	3.46E-7	13.00		6.05	3.16
	L0000198	559990.89	4243345.45	21.52	3.40	3.46E-7	13.00		6.05	3.16
	L0000199	560003.27	4243349.41	21.50	3.40	3.46E-7	13.00		6.05	3.16
	L0000200	560015.66	4243353.36	21.47	3.40	3.46E-7	13.00		6.05	3.16
	L0000201	560028.04	4243357.31	21.34	3.40	3.46E-7	13.00		6.05	3.16
	L0000202	560040.42	4243361.26	21.28	3.40	3.46E-7	13.00		6.05	3.16
	L0000203	560052.81	4243365.21	21.36	3.40	3.46E-7	13.00		6.05	3.16
	L0000204	560065.19	4243369.17	21.41	3.40	3.46E-7	13.00		6.05	3.16
	L0000205	560077.58	4243373.12	21.44	3.40	3.46E-7	13.00		6.05	3.16
	L0000206	560089.96	4243377.07	21.36	3.40	3.46E-7	13.00		6.05	3.16
	L0000207	560102.35	4243381.02	21.29	3.40	3.46E-7	13.00		6.05	3.16
	L0000208	560114.73	4243384.98	21.20	3.40	3.46E-7	13.00		6.05	3.16
	L0000209	560127.12	4243388.93	21.21	3.40	3.46E-7	13.00		6.05	3.16
	L0000210	560139.50	4243392.88	21.19	3.40	3.46E-7	13.00		6.05	3.16
	L0000211	560151.89	4243396.83	21.07	3.40	3.46E-7	13.00		6.05	3.16
	L0000212	560164.27	4243400.79	21.04	3.40	3.46E-7	13.00		6.05	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL1	L0000213	560176.66	4243404.74	21.04	3.40	3.46E-7	13.00		6.05	3.16
	L0000214	560189.04	4243408.69	20.90	3.40	3.46E-7	13.00		6.05	3.16
	L0000215	560201.42	4243412.64	20.82	3.40	3.46E-7	13.00		6.05	3.16
	L0000216	560213.81	4243416.60	20.78	3.40	3.46E-7	13.00		6.05	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HAUL2	L0000217	559850.21	4243302.35	21.77	3.40	3.50E-7	13.00		6.05	3.16
	L0000218	559837.77	4243298.58	21.86	3.40	3.50E-7	13.00		6.05	3.16
	L0000219	559825.33	4243294.81	21.85	3.40	3.50E-7	13.00		6.05	3.16
	L0000220	559812.89	4243291.03	21.89	3.40	3.50E-7	13.00		6.05	3.16
	L0000221	559800.45	4243287.26	21.92	3.40	3.50E-7	13.00		6.05	3.16
	L0000222	559788.01	4243283.48	21.94	3.40	3.50E-7	13.00		6.05	3.16
	L0000223	559775.57	4243279.71	21.99	3.40	3.50E-7	13.00		6.05	3.16
	L0000224	559763.13	4243275.93	22.03	3.40	3.50E-7	13.00		6.05	3.16
	L0000225	559750.69	4243272.16	22.04	3.40	3.50E-7	13.00		6.05	3.16
	L0000226	559738.25	4243268.39	21.99	3.40	3.50E-7	13.00		6.05	3.16
	L0000227	559725.81	4243264.61	22.00	3.40	3.50E-7	13.00		6.05	3.16
	L0000228	559713.37	4243260.84	22.02	3.40	3.50E-7	13.00		6.05	3.16
	L0000229	559700.93	4243257.06	22.01	3.40	3.50E-7	13.00		6.05	3.16
	L0000230	559688.49	4243253.29	22.05	3.40	3.50E-7	13.00		6.05	3.16
	L0000231	559676.05	4243249.52	22.07	3.40	3.50E-7	13.00		6.05	3.16
	L0000232	559663.61	4243245.74	22.11	3.40	3.50E-7	13.00		6.05	3.16
	L0000233	559651.17	4243241.97	22.14	3.40	3.50E-7	13.00		6.05	3.16
	L0000234	559638.73	4243238.19	22.22	3.40	3.50E-7	13.00		6.05	3.16
	L0000235	559626.29	4243234.42	22.28	3.40	3.50E-7	13.00		6.05	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HAUL2	L0000236	559613.85	4243230.64	22.31	3.40	3.50E-7	13.00		6.05	3.16
	L0000237	559601.41	4243226.87	22.38	3.40	3.50E-7	13.00		6.05	3.16
	L0000238	559588.97	4243223.10	22.46	3.40	3.50E-7	13.00		6.05	3.16
	L0000239	559576.53	4243219.32	22.47	3.40	3.50E-7	13.00		6.05	3.16
	L0000240	559564.09	4243215.55	22.44	3.40	3.50E-7	13.00		6.05	3.16
	L0000241	559551.65	4243211.77	22.38	3.40	3.50E-7	13.00		6.05	3.16
	L0000242	559539.21	4243208.00	22.38	3.40	3.50E-7	13.00		6.05	3.16
	L0000243	559526.77	4243204.22	22.34	3.40	3.50E-7	13.00		6.05	3.16
	L0000244	559514.33	4243200.45	22.31	3.40	3.50E-7	13.00		6.05	3.16
	L0000245	559501.89	4243196.68	22.33	3.40	3.50E-7	13.00		6.05	3.16
	L0000246	559489.45	4243192.90	22.44	3.40	3.50E-7	13.00		6.05	3.16
	L0000247	559477.01	4243189.13	22.58	3.40	3.50E-7	13.00		6.05	3.16
	L0000248	559464.57	4243185.35	22.71	3.40	3.50E-7	13.00		6.05	3.16
	L0000249	559452.13	4243181.58	22.80	3.40	3.50E-7	13.00		6.05	3.16
	L0000250	559439.69	4243177.80	22.89	3.40	3.50E-7	13.00		6.05	3.16
	L0000251	559427.25	4243174.03	23.06	3.40	3.50E-7	13.00		6.05	3.16

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor: 1E6
Emission Unit Label: GRAMS/SEC
Concentration Unit Label: MICROGRAMS/M**3

Source Groups

Source Group ID: CON_PM25	List of Sources in Group (Source Range or Single Sources)
	SITE
	HAUL1
	HAUL2

Variable Emissions

Source Pathway

AERMOD

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 2

Source ID:		SITE						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		HAUL1						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		HAUL2						
Weekdays								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18		0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour	1 - 6		0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12		0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18		0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24		0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	559786.01	4243494.30	R	23.25	
2	559570.86	4243381.48	R	23.01	
3	559565.87	4242975.51	R	22.84	
4	559511.05	4243435.34	R	23.28	
5	560032.27	4242845.32	R	20.66	
6	559795.41	4243066.26	R	21.40	
7	559721.96	4243433.92	R	22.80	
8	559659.31	4242922.17	R	22.39	
9	559877.27	4242873.72	R	21.29	
10	559574.83	4243020.19	R	22.22	
11	559743.33	4243332.91	R	22.82	
12	559869.06	4242898.59	R	21.65	
13	560006.74	4243008.25	R	21.03	
14	560066.78	4243502.16	R	22.03	
15	559836.76	4243382.94	R	22.22	
16	560083.40	4243004.76	R	20.64	
17	560021.71	4242979.31	R	20.70	
18	560055.05	4242907.46	R	20.57	
19	559616.83	4243316.29	N	22.74	
20	560008.87	4243388.83	R	22.19	
21	560034.04	4243261.70	R	21.59	
22	560206.20	4243382.97	R	21.00	
23	559831.45	4242864.27	R	21.47	
24	560156.29	4242959.68	R	20.39	
25	560001.86	4243313.68	R	21.80	
26	559504.32	4243463.10	R	23.99	
27	560143.42	4243458.54	R	21.67	
28	559680.13	4242897.87	R	22.01	
29	560230.00	4243053.97	R	20.29	
30	560119.61	4243496.80	R	21.98	

Receptor Pathway

AERMOD

31	559805.07	4243412.79	R	22.37
32	560111.74	4243546.12	R	22.35
33	559861.62	4243463.76	R	22.39
34	560236.03	4243399.06	R	21.26
35	559642.88	4243093.46	R	21.91
36	559745.12	4242871.68	R	22.28
37	560207.57	4242848.73	R	19.74
38	560110.43	4243344.11	R	21.62
39	559566.84	4243075.29	R	22.17
40	560022.44	4243196.30	R	21.21
41	560236.67	4243105.01	R	20.27
42	559582.48	4243444.21	R	22.92
43	559759.51	4243308.54	R	22.53
44	559859.74	4243332.25	R	21.92
45	559538.00	4243477.04	R	24.06
46	559527.04	4243344.16	R	22.89
47	559564.93	4243357.00	R	22.82
48	560060.28	4242993.23	R	20.61
49	559704.45	4243426.69	R	22.73
50	559722.16	4243107.71	R	21.51
51	559584.64	4243294.82	R	22.60
52	559940.77	4242913.90	R	21.46
53	559554.06	4243238.34	R	22.53
54	559618.39	4242914.99	R	22.75
55	559988.12	4243058.62	R	21.13
56	559666.30	4243195.51	R	21.99
57	559984.32	4242996.74	R	21.00
58	559742.03	4243384.37	R	22.87
59	559797.87	4242883.35	R	21.85
60	560103.63	4242860.49	R	20.38
61	559607.28	4243463.91	R	23.20
62	559711.85	4243384.50	R	22.75
63	560175.96	4243042.52	R	20.40
64	560244.37	4243026.44	R	20.03
65	559851.41	4243499.65	R	22.53
66	559733.46	4243054.66	R	21.50
67	560226.61	4243022.68	R	20.17
68	559833.87	4242934.19	N	21.46

Receptor Pathway

AERMOD

69	559630.13	4243424.04	R	23.07
70	559547.54	4243400.52	R	23.07
71	559694.89	4243503.94	R	23.52
72	559601.09	4243411.18	R	22.74
73	560139.26	4242868.10	R	20.32
74	559851.04	4242894.73	R	21.69
75	560192.81	4242967.45	R	20.25
76	560150.83	4243221.88	R	20.68
77	559487.61	4243456.20	R	23.84
78	560026.90	4243012.56	R	20.97
79	560249.21	4243058.37	R	20.15
80	559686.93	4243326.07	R	22.89
81	560003.70	4242975.52	R	20.78
82	559730.62	4243527.93	R	23.49
83	560196.43	4243349.59	R	20.64
84	559614.50	4243329.88	N	22.66
85	559514.28	4243074.03	N	22.78
86	560041.75	4243032.06	R	20.80
87	559500.73	4243432.56	R	23.36
88	559619.52	4243439.51	R	23.09
89	560010.30	4243299.81	R	21.77
90	559586.71	4243079.99	R	22.14
91	560210.92	4242971.31	R	20.16
92	559762.73	4242840.41	R	21.81
93	559511.01	4243133.55	R	22.58
94	560244.65	4243370.08	R	21.27
95	559578.23	4242978.08	R	22.62
96	560157.65	4242872.05	R	20.26
97	559680.10	4242903.04	R	22.10
98	559969.76	4243054.81	R	21.08
99	560030.33	4243183.00	R	21.21
100	559513.95	4243409.22	R	23.24
101	559535.34	4243395.75	R	23.13
102	560047.88	4243296.78	R	21.64
103	560014.58	4242841.32	R	20.69
104	559813.64	4243062.30	R	21.37
105	560019.78	4242899.99	R	20.56
106	559880.71	4243433.23	R	22.01

Receptor Pathway

AERMOD

107	560147.06	4243084.52	R	20.42
108	560200.50	4243096.88	R	20.26
109	559787.28	4243303.30	R	22.16
110	559639.89	4243408.22	R	22.97
111	560208.80	4243018.87	R	20.24
112	560211.95	4243050.13	R	20.38
113	559655.45	4243269.31	R	22.49
114	560155.12	4243007.47	R	20.44
115	559974.13	4243273.88	R	21.70
116	559966.28	4243286.48	R	21.77
117	559859.18	4243487.27	R	22.45
118	560050.20	4242849.13	R	20.63
119	559669.73	4243445.42	R	23.27
120	559780.78	4243314.63	R	22.23
121	560126.74	4242922.65	R	20.38
122	559669.44	4243159.44	R	21.96
123	560182.63	4243092.74	R	20.40
124	560130.45	4243312.04	R	21.49
125	559666.65	4242971.22	R	22.58
126	559545.43	4243369.17	R	22.97
127	559944.35	4242998.73	R	21.11
128	560073.20	4242911.31	R	20.50
129	560153.51	4243440.10	R	21.73
130	559874.43	4243472.18	R	22.37
131	560126.93	4243411.12	R	21.64
132	560192.42	4243476.59	R	21.09
133	560263.87	4243030.77	R	20.07
134	559575.50	4243459.11	R	23.07
135	559884.97	4243336.55	R	21.91
136	559547.08	4243449.24	R	23.11
137	560232.64	4243285.22	R	21.02
138	559681.42	4243220.92	R	22.07
139	560059.81	4243277.66	R	21.47
140	559759.24	4243480.65	R	23.39
141	559723.31	4243467.55	R	23.48
142	559803.70	4242927.76	R	21.61
143	559668.85	4243361.59	R	22.85
144	559838.37	4243422.81	R	22.35

Receptor Pathway

AERMOD

145	559481.02	4243377.83	R	23.19
146	560085.99	4243333.12	R	21.69
147	560122.64	4243031.19	R	20.62
148	559909.08	4242991.33	R	21.27
149	559635.41	4243295.63	N	22.87
150	560082.85	4243182.55	R	21.48
151	560026.47	4243273.87	R	21.68
152	559763.96	4243115.31	R	21.47
153	560228.73	4242975.13	R	20.13
154	559658.61	4242941.50	R	22.53
155	559652.99	4243155.17	R	21.93
156	560180.29	4242934.00	R	20.21
157	559919.23	4243112.07	R	21.24
158	559561.90	4243407.04	R	23.06
159	560066.06	4243258.49	R	21.49
160	560104.03	4243028.33	R	20.66
161	559714.92	4243508.14	R	23.48
162	560287.11	4243076.13	R	20.14
163	559593.51	4242939.22	N	22.26
164	560137.29	4243003.72	R	20.49
165	560016.73	4243374.17	R	21.98
166	559852.30	4243426.93	R	22.29
167	560210.86	4242883.43	R	19.96
168	560063.81	4243350.03	R	21.90
169	560175.37	4242875.83	R	20.28
170	559572.24	4243408.41	R	22.92
171	560289.73	4242866.02	R	19.58
172	560190.95	4243015.10	R	20.18
173	560042.19	4243248.68	R	21.41
174	560171.87	4243501.91	R	21.19
175	560035.95	4243315.89	R	21.78
176	559534.50	4243443.22	R	23.12
177	559611.09	4243172.89	R	22.13
178	559590.27	4242980.32	R	22.58
179	559483.08	4243211.67	R	22.64
180	560018.87	4243286.10	R	21.68
181	559668.43	4243038.89	R	21.73
182	560094.13	4243464.58	R	21.89

Receptor Pathway

AERMOD

183	560164.92	4243088.63	R	20.45
184	560069.36	4243193.45	R	21.16
185	560264.06	4242982.67	R	20.07
186	560271.09	4243330.47	R	20.78
187	560129.33	4243080.45	R	20.54
188	560004.29	4243066.11	R	21.17
189	559678.67	4243500.87	R	23.41
190	559529.72	4243122.54	R	22.55
191	560146.09	4243373.84	R	21.56
192	559520.39	4243075.55	N	22.81
193	559595.24	4243422.83	R	22.79
194	559995.45	4242925.34	R	20.99
195	560074.29	4243556.98	R	22.21
196	559717.72	4243283.37	R	22.75
197	559653.02	4242994.55	R	22.68
198	559999.37	4243405.37	R	22.33
199	560107.55	4243515.23	R	22.06
200	559993.18	4243327.71	R	21.78
201	559934.80	4243047.28	R	21.13
202	559811.42	4243484.38	R	22.67
203	559845.75	4243519.67	R	22.99
204	559622.50	4243303.19	N	22.83
205	560064.65	4243208.96	R	21.30
206	560138.58	4242955.92	R	20.55
207	559559.74	4243141.43	R	22.22
208	559705.94	4243460.33	R	23.36
209	559788.55	4243545.94	R	22.98
210	559732.29	4243210.19	R	21.87
211	559859.68	4243272.73	R	21.96
212	559846.60	4242967.52	N	21.39
213	560039.67	4242983.12	R	20.62
214	559506.40	4243222.22	R	22.63
215	559665.72	4243304.28	N	22.84
216	559760.85	4243391.21	R	22.97
217	559949.70	4243313.61	R	21.82
218	559843.86	4243067.26	R	21.35
219	559605.73	4243084.52	R	21.97
220	560037.35	4242903.71	R	20.61

Receptor Pathway

AERMOD

221	559797.40	4243425.18	R	22.39
222	559693.80	4243047.03	R	21.60
223	559494.14	4243351.45	R	23.14
224	560091.32	4242915.15	R	20.47
225	559779.68	4242879.26	R	21.89
226	560262.80	4243102.67	R	20.21
227	560126.53	4243248.01	R	20.95
228	559603.09	4243018.43	R	22.00
229	559945.02	4242884.23	R	20.99
230	559881.01	4243396.49	R	22.01
231	560103.35	4242948.37	R	20.63
232	559926.25	4242994.92	R	21.28
233	559879.01	4243067.28	R	21.30
234	560140.65	4243035.02	R	20.60
235	559574.96	4243359.14	R	22.76
236	559661.70	4243097.97	R	21.89
237	560121.38	4242864.28	R	20.40
238	559641.23	4242991.51	R	22.55
239	559905.19	4242906.30	R	21.52
240	559602.36	4243186.39	R	22.32
241	559558.00	4243376.08	R	23.04
242	559539.50	4243070.01	N	22.94
243	559594.65	4243157.12	R	22.12
244	559606.93	4243399.53	R	22.66
245	560200.82	4243286.38	R	21.42
246	559609.81	4242912.60	R	22.76
247	559613.32	4243392.47	R	22.63
248	559966.56	4243412.40	R	22.36
249	559488.81	4243171.84	R	22.66
250	560094.07	4243082.68	R	20.71
251	559820.86	4243473.23	R	22.55
252	559572.31	4243491.25	R	23.91
253	560050.16	4243235.88	R	21.35
254	560049.26	4242936.82	R	20.90
255	559653.33	4242897.54	R	22.23
256	560089.56	4243541.85	R	22.33
257	559522.34	4243438.95	R	23.22
258	559589.44	4243498.34	R	23.89

Receptor Pathway

AERMOD

259	559506.37	4243141.18	R	22.60
260	559477.22	4243423.86	R	23.41
261	559630.97	4243209.04	R	22.30
262	560090.76	4242857.74	R	20.47
263	559639.51	4243194.53	R	22.15
264	559621.24	4242960.62	R	22.42
265	559960.74	4243373.51	R	22.29
266	559840.93	4243112.67	R	21.48
267	560120.95	4242952.12	R	20.51
268	560081.77	4243478.05	R	22.00
269	559833.15	4242890.91	R	21.70
270	559550.37	4243027.43	R	22.74
271	559800.27	4243501.47	R	23.10
272	559911.22	4243362.15	R	21.86
273	559898.71	4243069.31	R	21.24
274	559789.19	4242849.75	R	21.66
275	560101.00	4242997.59	R	20.66
276	560014.49	4243209.03	R	21.27
277	559686.44	4243164.08	R	21.94
278	559971.49	4243359.60	R	22.01
279	559878.81	4242870.01	R	21.25
280	559915.15	4242958.34	R	21.16
281	560109.17	4242918.93	R	20.45
282	559742.15	4243475.52	R	23.51
283	559608.18	4243345.74	N	22.56
284	559555.48	4243484.26	R	23.96
285	560228.42	4242887.79	R	19.98
286	560120.44	4243328.08	R	21.53
287	559707.55	4243299.61	R	22.79
288	559624.31	4243088.98	R	21.95
289	560199.63	4243265.81	R	21.32
290	559678.82	4243345.64	R	22.89
291	560189.90	4242844.96	R	19.86
292	560055.64	4243523.11	R	22.20
293	559605.56	4243501.90	R	23.87
294	560174.52	4242963.54	R	20.23
295	560147.49	4243516.87	R	21.86
296	560099.40	4243152.28	R	21.32

Receptor Pathway

AERMOD

297	560037.58	4243553.60	R	22.37
298	559616.11	4243155.70	R	21.96
299	559754.89	4243059.40	R	21.39
300	559678.96	4243269.79	R	22.37
301	559766.41	4242842.20	R	21.80
302	560044.57	4243425.90	S	22.10
303	559647.38	4243034.30	R	21.87
304	559563.06	4243425.66	R	23.03
305	559775.09	4243061.55	R	21.39
306	559806.84	4242859.00	R	21.62
307	560285.80	4243332.87	R	20.78
308	560130.03	4243515.42	R	22.01
309	560145.76	4243253.99	R	20.95
310	559980.41	4243014.69	R	20.87
311	559648.75	4242920.59	R	22.55
312	560251.21	4243288.66	R	20.72
313	560288.53	4242956.90	R	19.73
314	559931.70	4242961.72	R	21.04
315	560155.99	4243357.71	R	21.62
316	560247.12	4242892.24	R	19.82
317	559775.37	4243540.43	R	23.05
318	559913.34	4243405.61	R	22.04
319	559850.12	4242867.93	R	21.39
320	560144.42	4242926.41	R	20.24
321	559513.32	4243340.86	R	22.97
322	559502.22	4243334.92	R	22.97
323	560252.01	4243331.87	R	20.86
324	559851.42	4243387.49	R	22.20
325	559522.64	4243361.02	R	23.07
326	560283.21	4242898.49	R	19.80
327	559812.98	4243320.90	R	22.19
328	559598.83	4243264.82	R	22.61
329	559959.65	4242917.97	R	21.13
330	560108.44	4243133.81	R	21.19
331	559634.23	4243149.21	R	21.90
332	560104.42	4243447.11	R	21.68
333	560252.38	4242949.27	R	19.96
334	560086.20	4243320.10	R	21.53

Receptor Pathway

AERMOD

335	560176.65	4243489.06	R	21.26
336	559593.90	4243200.59	R	22.48
337	559997.26	4243327.06	R	21.81
338	559900.63	4242874.70	R	21.16
339	559998.37	4243234.95	R	21.55
340	559958.23	4243299.37	R	21.82
341	559860.88	4243065.38	R	21.41
342	560041.68	4243015.38	R	20.81
343	560166.20	4243260.44	R	20.89
344	559546.41	4242996.96	R	23.10
345	559747.98	4243531.28	R	23.43
346	559680.02	4242925.28	R	22.35
347	559659.02	4243377.45	R	22.87
348	560067.32	4242940.68	R	20.61
349	559623.72	4242916.16	R	22.76
350	560162.04	4242930.17	R	20.34
351	559952.11	4243387.99	R	22.36
352	559787.75	4243464.28	R	22.71
353	559887.34	4242902.48	R	21.56
354	559986.00	4242971.80	R	20.95
355	560216.80	4242941.73	R	20.05
356	559610.73	4242984.67	R	22.67
357	559922.93	4242879.50	R	21.05
358	559688.77	4243453.18	R	23.28
359	560193.03	4242879.61	R	20.12
360	559625.67	4243029.52	R	21.91
361	560001.31	4242896.31	R	20.66
362	559629.05	4242917.93	R	22.76
363	559509.07	4243356.24	R	23.11
364	559815.55	4243120.26	R	21.51
365	559767.87	4243349.84	R	22.46
366	559728.76	4242965.65	N	21.92
367	560282.25	4242986.58	R	20.03
368	559723.64	4243552.62	R	23.48
369	559667.47	4243527.36	R	23.43
370	559762.60	4243535.19	R	23.13
371	559669.66	4242923.72	R	22.35
372	559774.75	4243455.90	R	22.69

Receptor Pathway

AERMOD

373	559632.19	4243355.95	N	22.50
374	560249.82	4242849.85	R	19.41
375	559740.32	4243108.90	R	21.51
376	560006.38	4243222.10	R	21.46
377	559834.09	4242860.52	R	21.42
378	559832.97	4243326.95	R	22.06
379	560270.19	4242953.05	R	19.90
380	559950.16	4242965.46	R	20.86
381	560165.68	4243342.20	R	21.56
382	559965.65	4243108.99	R	21.11
383	560014.01	4242929.30	R	20.97
384	559652.94	4243215.07	R	22.21
385	559683.14	4243100.08	R	21.67
386	559632.12	4242989.18	R	22.52
387	559820.79	4243381.68	R	22.36
388	559698.69	4243540.70	R	23.65
389	560226.00	4242852.63	R	19.66
390	559621.49	4242987.00	R	22.57
391	560023.73	4243335.47	R	21.93
392	559777.21	4243408.25	R	22.83
393	560031.68	4242933.07	R	20.98
394	559486.21	4243329.84	R	22.99
395	559965.86	4242888.62	R	20.85
396	560109.24	4243285.54	R	21.36
397	559670.47	4242958.82	R	22.61
398	559649.77	4243392.37	R	22.95
399	559721.60	4243368.72	R	22.90
400	559478.95	4243121.05	N	23.01
401	560087.97	4242945.08	R	20.71
402	559885.13	4243342.45	R	21.93
403	559543.51	4243345.18	R	22.80
404	559990.38	4243247.79	R	21.54
405	559634.01	4242918.87	R	22.71
406	560236.26	4243327.06	R	20.89
407	560058.20	4243222.95	R	21.31
408	559639.43	4243342.41	N	22.56
409	559623.64	4243505.81	R	23.86
410	559538.25	4243021.15	R	22.96

Receptor Pathway

AERMOD

411	559942.05	4243406.33	R	22.55
412	560077.69	4243025.98	R	20.87
413	560140.87	4243295.28	R	21.25
414	559647.25	4242940.43	R	22.56
415	559922.58	4242910.02	R	21.47
416	560218.10	4243100.87	R	20.25
417	559893.90	4243441.30	R	22.06
418	559974.00	4243084.20	R	21.19
419	559588.30	4243384.35	R	22.98
420	559701.83	4243232.00	R	21.96
421	559658.15	4243541.78	R	23.50
422	559815.58	4242887.13	R	21.79
423	560062.56	4243047.16	R	20.85
424	559491.94	4243378.94	R	23.16
425	559551.07	4243423.14	R	23.08
426	559712.06	4243048.22	R	21.60
427	559592.10	4243366.54	R	22.76
428	559664.32	4242982.62	R	22.65
429	559538.47	4243419.08	R	23.17
430	560093.02	4243164.19	R	21.40
431	559758.10	4243449.10	R	22.87
432	559970.28	4242837.72	R	20.88
433	560277.90	4243093.99	R	20.13
434	559600.65	4242982.48	R	22.65
435	559485.74	4243398.46	R	23.26
436	559832.09	4243507.68	R	22.95
437	560121.50	4243554.59	R	22.11
438	559554.37	4243018.21	R	23.04
439	559916.87	4243043.48	R	21.23
440	559699.74	4243107.11	R	21.58
441	560065.07	4243074.55	R	20.86
442	560100.05	4243360.81	R	21.76
443	560166.31	4243421.91	R	21.48
444	559982.29	4243260.84	R	21.64
445	560114.65	4243430.19	R	21.59
446	560158.07	4243038.72	R	20.47
447	560301.85	4242902.41	R	19.76
448	560267.60	4243295.85	R	20.55

Receptor Pathway

AERMOD

449	559587.79	4243431.19	R	22.80
450	560246.17	4242868.70	R	19.75
451	559631.89	4242938.81	R	22.64
452	560146.20	4242841.88	R	19.90
453	559865.93	4243111.68	R	21.46
454	559899.59	4243039.81	R	21.37
455	559613.43	4242913.97	R	22.76
456	559526.96	4243414.81	R	23.23
457	559648.79	4243332.43	N	22.66
458	559536.71	4243123.22	R	22.50
459	559938.43	4242886.64	R	21.03
460	560179.46	4243447.88	R	21.12
461	559501.66	4243148.92	R	22.60
462	559685.79	4243419.16	R	22.70
463	559560.31	4243454.83	R	23.04
464	559856.96	4242865.31	R	21.35
465	560173.06	4243011.29	R	20.34
466	559846.79	4243362.87	R	22.04
467	559811.94	4242855.64	R	21.57
468	559866.18	4243392.03	R	22.01
469	559663.78	4242900.59	R	22.14
470	559518.16	4243117.54	R	22.62
471	559762.97	4242938.01	R	21.85
472	559799.63	4243550.39	R	23.00
473	559656.03	4243318.62	N	22.79
474	559510.02	4243072.52	N	22.78
475	559542.93	4243063.75	N	22.90
476	559697.88	4243315.07	R	22.87
477	560234.63	4242945.51	R	19.95
478	559670.86	4242944.12	R	22.58
479	560172.36	4242843.55	R	19.88
480	559891.80	4243111.78	R	21.37
481	559481.11	4243346.95	R	23.15
482	559651.61	4243299.50	N	22.83
483	559558.19	4242989.58	R	23.04
484	559924.33	4243072.57	R	20.98
485	559623.16	4243481.84	R	23.41
486	560193.83	4243046.29	R	20.38

Receptor Pathway

AERMOD

487	560131.43	4243477.94	R	21.79
488	559529.55	4243229.40	R	22.56
489	560119.34	4242999.88	R	20.49
490	559520.87	4243469.97	R	23.97
491	559732.38	4243351.81	R	22.92
492	560082.23	4243239.61	R	21.36
493	559771.70	4243487.39	R	23.39
494	559895.40	4242877.47	R	21.20
495	559788.99	4243119.56	R	21.38
496	559573.13	4243174.68	R	22.24
497	560246.30	4242978.89	R	20.11
498	560068.02	4242852.91	R	20.56
499	559785.01	4242851.13	R	21.68
500	559487.58	4243425.85	R	23.39
501	560027.11	4243064.68	R	21.09
502	559762.26	4242875.51	R	22.00
503	559640.36	4243255.95	R	22.46
504	559625.40	4242949.80	R	22.55
505	559987.28	4243422.38	R	22.43
506	559559.81	4243002.57	R	23.03
507	559739.45	4243441.19	R	22.88
508	560180.58	4243220.85	R	20.88
509	560295.75	4243060.08	R	20.09
510	560244.31	4243381.67	R	21.32
511	559496.65	4243157.15	R	22.61
512	559643.54	4243486.30	R	23.15
513	560175.83	4243326.33	R	21.39
514	559491.95	4243164.88	R	22.68
515	560098.78	4243302.22	R	21.49
516	560198.71	4242937.91	R	20.14
517	560111.46	4243078.10	R	20.63
518	559901.30	4243422.45	R	22.11
519	559626.87	4243369.51	R	22.48
520	560186.79	4243309.49	R	21.31
521	559619.68	4243379.51	R	22.51
522	560284.57	4243301.06	R	20.54
523	559885.27	4242811.75	R	21.66
524	559903.40	4242820.21	R	21.52

Receptor Pathway

AERMOD

525	559917.90	4242825.04	R	21.42
526	559939.65	4242805.70	R	21.45
527	559971.08	4242815.37	R	21.08
528	559973.50	4242798.45	R	21.08
529	560019.43	4242811.75	R	20.75
530	560038.76	4242811.75	R	20.76
531	560058.10	4242817.79	R	20.53
532	560072.61	4242825.04	R	20.51
533	560102.82	4242826.25	R	20.48
534	560139.08	4242819.00	R	19.90
535	560303.46	4243043.81	R	20.03
536	560309.50	4243029.30	R	20.04
537	560319.17	4242999.09	R	19.95
538	560320.38	4242967.66	R	19.72
539	559936.03	4243481.34	S	22.37
540	559975.91	4243500.67	S	22.41
541	559992.84	4243511.55	S	22.43
542	560026.68	4243523.64	S	22.19
543	559939.65	4243460.79	S	22.27
544	559936.03	4243442.66	S	22.19
545	559961.41	4243442.66	S	22.23
546	560003.71	4243460.79	S	22.31
547	560042.39	4243484.96	S	22.34
548	560046.02	4243462.00	S	22.30
549	560060.52	4243440.24	S	22.25
550	560021.84	4243579.24	R	22.21
551	560038.76	4243592.53	R	22.11
552	560052.06	4243599.78	R	22.01
553	559753.52	4243136.87		21.59
554	560125.00	4243225.00		20.52
555	560225.00	4243225.00	P	20.71
556	560275.00	4243225.00	P	20.55
557	560325.00	4243225.20	P	20.00
558	560325.00	4243275.00	P	20.23
559	560125.00	4243175.00	P	20.16
560	560175.01	4243175.00	P	20.26
561	560225.00	4243175.00	P	20.43
562	560275.00	4243175.00	P	20.40

Receptor Pathway

AERMOD

563	560325.00	4243175.00	P	20.10
564	560325.00	4243125.00	P	19.90
565	560375.00	4243075.00	P	19.92
566	560125.00	4243225.00	P	20.52
567	559781.90	4242994.98	P	21.62
568	559849.49	4243560.25	P	22.95
569	559884.01	4243576.07	P	23.23
570	559927.16	4243591.90	P	22.84
571	559958.81	4243607.72	P	22.63
572	559978.94	4243584.70	P	22.16
573	559938.67	4243563.13	P	22.46
574	559894.08	4243553.06	P	22.63
575	559863.88	4243537.24	P	22.56
576	560029.29	4243479.71	S	22.31

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	R	Residential
2	N	Non-Residential
3	S	School
4	P	Park - Open Space

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: KAPC13_17.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: KAPC13_17.PFL
Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 4.30 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2013			NAPA CO AIRPORT, CA US
Upper Air		2013			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2013 Start Hour: 1 End Date: 12/31/2017 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Results Summary

Napa Zinfadel Subdivision
PM2.5 Construction Modeling

PM10 - Concentration - Source Group: CON_PM25

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.10040	ug/m^3	559966.28	4243286.48	21.77	0.00	21.77	

Zinfandel Subdivision Project
Modeling Parameters for AERMOD Construction Modeling

Source	Description	Source Type	Size	Units	Release Height m	Initial Lateral Dimension m	Initial Vertical Dimension m
On-site Construction Equipment ¹	Project Site + Off-Site Limits of Disturbance	Area	38819.7	m ²	5	—	1.4
On-Road Construction Trucks ^{2,3}	El Centro Avenue to the East of Site	Line-Volume	363	meters	3.4	6.05	3.16
On-Road Construction Trucks ^{2,3}	El Centro Avenue to the West of Site	Line-Volume	459	meters	3.4	6.05	3.16

1 Construction exhaust modeled as an area source. Release parameters for construction equipment exhaust modeling from SCAQMD (2008) for gaseous exhaust from construction equipment.

2 Only segments within 1,000 ft of site boundary were modeled.

3 On-Road construction trucks are Vendor and Haul Trucks, as estimated in CalEEMod.

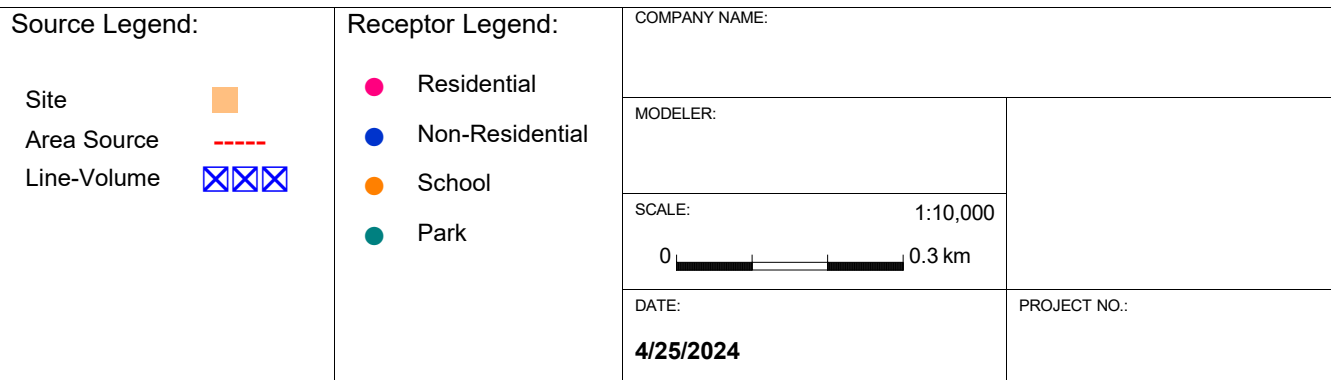
Trucks were modeled as adjacent volume sources following BAAQMD CEQA Guidelines Appendix E (April 2023). Roadway width = physical width plus 3 meters on each side for mixing., Truck Height = 4 meters.

Parameters calculated as per BAAQMD 2022 CEQA Guidelines and US EPA Haul Road Workgroup Final Report released on March 2, 2012 which suggests the use of Adjacent Volume Sources to represent the haul road.

Reference: BAAQMD 2022 CEQA Guidelines Appendix E: Table 11 Recommended Volume Source Configuration for Construction Projects

North Diana Residential Project

AERMOD Modeling - Source and Receptor Configuration

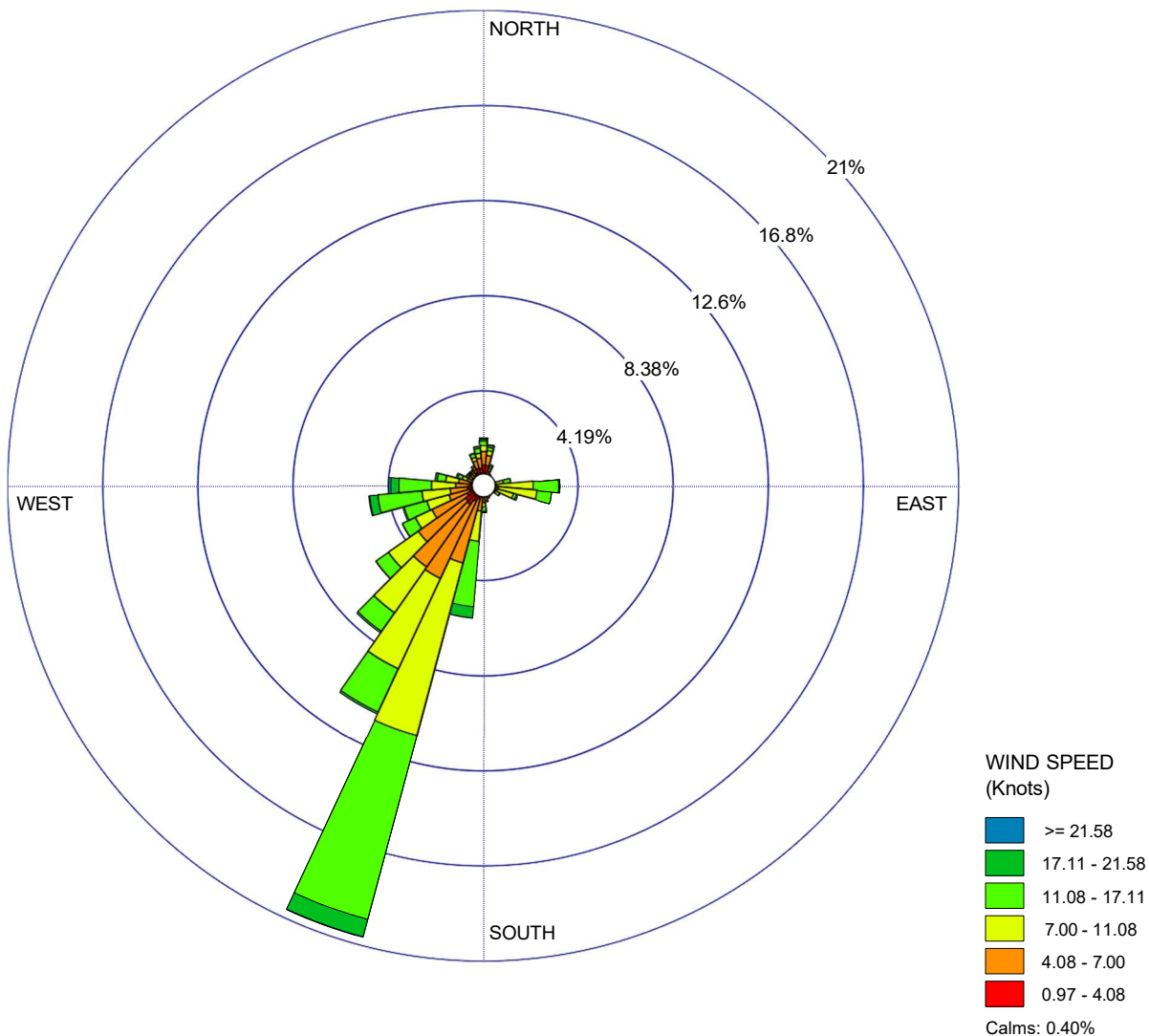


WIND ROSE PLOT:

Napa County Airport - KAPC
Wind Direction for Daytime Construction Hours

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

Wind Rose is generated just for the hours with emissions when construction would occur or from 8 AM - 5 PM. This corresponds to the modeling hours in AERMOD.

DATA PERIOD:

Start Date: 1/1/2013 - 08:00
End Date: 12/31/2017 - 17:00

CALM WINDS:

0.40%

AVG. WIND SPEED:

8.50 Knots

How to Read a Wind Rose Diagram

The wind rose above shows the general wind direction and speed for the meteorological data set used in the AERMOD modeling for the project.

The circular format of the wind rose shows the direction the winds blew from and the length of each "spoke" around the circle shows how often the wind blew from that direction.

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.33

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 1.33
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: False
Dermal: False
Mother's milk: False
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: OFF

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 saved to: F:\Jobs\35520009\HARP\MEIRCancer_CancerRisk.csv
HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 3:23:08 AM -
Cancer Risk - Input File: F:\Jobs\35520009\HARP\MEIRCancer_HRAInput.hra

GRP1	GRP2	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhaation Risk
559966.28	4243286.48	DieselExhPM	0.02409	5.59e-06	1.33YrCancerRMP_Inh	5.59e-06

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Exposure duration are only adjusted for cancer assessments

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: False
Dermal: False
Mother's milk: False
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

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

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 chronic risk

Chronic risk saved to: F:\Jobs\35520009\HARP\MEIRChronic_NCChronicRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 3:23:34 AM -
Chronic Risk - Input File: F:\Jobs\35520009\HARP\MEIRChronic_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
559966.28	4243286.48	DieselExhPM	0.02409	0.0	0.0	0.0	0.0	0.0	0.0	0.004818	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1.53

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1.53
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: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

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 saved to: F:\Jobs\35520009\HARP\MEIWCancer_CancerRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 3:24:32 AM -
Cancer Risk - Input File: F:\Jobs\35520009\HARP\MEIWCancer_HRAInput.hra

GRP1	GRP2	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhaation Risk
559753.52	4243136.87	DieselExhPM	0.00325	5.3948e-08	1.53YrCancerHighEnd_InhSoilDerm	5.3948e-08

UTMX	UTMY	Road Canc	Road Chro	Road PM2	Rail Cance	Rail Chron	Rail PM2.5	Location
559966.3	4243286	10.55	0.025	0.2	-3.40E+38	-3.40E+38	-3.40E+38	MEIR
559753.5	4243137	13.25	0.029	0.217	-3.40E+38	-3.40E+38	-3.40E+38	MEIW
559961.4	4243443	9.79	0.023	0.18	-3.40E+38	-3.40E+38	-3.40E+38	School

Data Provided By: BAAQMD as raster file (.tif) datasets

Roadway Screening Tool - Cancer Risk Last Updated December 8 2022

Roadway Screening Tool - Chronic Hazard Last Updated December 8 2022

Roadway Screening Tool - PM2.5 Last Updated December 8 2022

Rail Screening Tool - Cancer Risk Last Updated January 30 2023

Rail Screening Tool - Chronic Hazard Last Updated January 30 2023

Rail Screening Tool - PM2.5 Last Updated January 30 2023

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Exposure duration are only adjusted for cancer assessments

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

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

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 chronic risk

Chronic risk saved to: F:\Jobs\35520009\HARP\MEIWChronic_NCChronicRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 4:04:18 AM -
Chronic Risk - Input File: F:\Jobs\35520009\HARP\MEIWChronic_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
559753.52	4243136.87	DieselExhPM	0.00325	0.0	0.0	0.0	0.0	0.0	0.0	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.0

HEALTH RISK ASSESSMENT CALCULATIONS

The HRA was conducted utilizing the CARB's Hot Spots Analysis and Reporting Program Version 2 (HARP2) to automatically calculate risks for the projects using OEHHA promulgated cancer potency and reference exposure levels. (HARP2) is the recommended model for calculating and presenting HRA results because it follows the district's risk assessment guidance methodology and is consistent with the Air District's Regulation 2-5. Since AERMOD was run with project emission rates to directly calculate potential DPM and PM2.5 concentrations, the Health Risk Assessment Standalone Tool (RAST) version of HARP2 was used.

The HRA follows BAAQMD CEQA Guidelines based on OEHHA Guidance. This risk assessment intake methodology addresses children's greater sensitivity and health impacts from early exposure to carcinogenic compounds. The chemical intake or dose describing the frequency and duration of the exposure is estimated using receptor's breathing rates, exposure duration, and exposure frequency. The calculations include the use of age-specific weighting factors, breathing rates, fraction of time at home, and reduced exposure durations.

These factors are described below, followed by a summary of the HARP2 HRA inputs and cancer and noncancer risk results for selected for each receptor group (i.e., resident, off-site worker, and student).

Age Sensitivity Factors – Studies have shown that young animals are more sensitive than adult animals to exposure to many carcinogens (OEHHA, 2009). Therefore, OEHHA developed age sensitivity factors (ASFs) to account for the increased sensitivity to carcinogens during early-in-life exposures. Accordingly, the cancer risk methodology applies different ASFs by age groups. The ASFs utilized a 10-fold multiplier in sensitivity for the third trimester and infants less than age 2, a 3-fold increase in sensitivity for children ages 2 to 16 years old, and a sensitivity factor of 1 for ages 16 and older.

Daily breathing rates (age-specific daily air intake) – For residential receptors, the HRA utilizes the 95th percentile breathing rates for the most sensitive age groups (less than 2 years of age) and 80th percentile for all other age groups. This approach jointly developed by ARB and CAPCOA¹ and adopted by BAAQMD² is referred to as the "Risk Management Policy" and was developed to consider the new science in risk assessment while providing a reasonable estimate of potential cancer risk for risk management decisions. and used in this HRA. The HRA uses 95th percentile 8-hour breathing rates for moderate intensity activities for worker and student exposure.³

Time at home – The time at home applies only applies to residential receptors. Residents are assumed to be at home 350 days per year, which assumes individuals are away for approximately 2 weeks of

¹ California Air Resources Board (ARB) and California Air Pollution Control Officers Association (CAPCOA). 2015. Risk Management Guidance for Stationary Sources of Air Toxics. July 23. Website: <https://ww2.arb.ca.gov/sites/default/files/classic/toxics/rma/rmgssat.pdf>. Accessed April 8, 2024.

² Bay Area Air Quality Management District (BAAQMD). 2022. California Environmental Quality Act – Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards. Website: https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards_final-pdf.pdf?rev=b8917a27345a4a629fc18fc8650951e4&sc_lang=en. Accessed March 7, 2024.

³ Office of Environmental Health Hazard Assessment (OEHHA). 2015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Website: <https://oehha.ca.gov/media/downloads/crnrr/2015guidancemanual.pdf>. Accessed March 29, 2024.

vacation. The fraction of time at home refers to the estimated amount of time residents stay at home during these 350 days. The HRA uses the OEHHA and BAAQMD recommended values of 73% time at home for 16-year-olds and above based on population and activity statistics. The HRA also assumes 100 percent time at home for receptors under age 16 to address exposures at local schools close to emitting sources. Even though infants and children may not be at their residence all the time, they are likely to remain in the neighborhood (at schools or neighbors) and would be exposed to similar levels of the pollutants.

Exposure Duration - OEHHA 2015 guidelines specify a 30-year residential exposure duration for estimating cancer risk at the maximum exposed individual resident (MEIR). This is based on studies showing that 30 years is a reasonable estimate of the 90th to 95th percentile of residency duration in the population. A 25-year standard exposure duration is the default to estimate cancer risk for off-site workers. However, risk assessors can use other exposure durations with proper justification and documentation. For example, short-term projects (e.g., construction projects) can now be evaluated for as short a duration as 6 months.

For a project with construction followed by operations, the HRA may be divided into 2 segments for the entire 30-year residential exposure duration.

Residential Cancer Risk

Cancer risk for individual resident receptors exposed to “Diesel Particulate Exhaust” (DPM) were calculated utilizing the “Risk Management Policy” option for inhalation, specifying that residents spend 100% time at home for ages less than 16 years old. Consistent with OEHHA guidance, the start of residential exposure was assumed to occur in the third trimester (-0.25 years) to accommodate the increased susceptibility of exposures in early life. Since the construction is anticipated to occur for 1.53 years, the residential exposure starts with the unborn child at the third trimester (when construction begins) and continues until the child is 1.28 years of age. Because there are no significant sources of TAC emissions during operations, the exposure assessment is limited to the duration of the proposed project construction or 1.53 years.

Worker Cancer Risk

Cancer risk and the chronic hazard index was calculated for the maximum impacted off-site worker based on the maximum DPM concentration at identified off-site receptors. 8-hour breathing rates for moderate intensity activities of 230 L/kg-8 hrs (applicable to 16–70-year adults) were used to calculate the daily dose via the inhalation route to the worker. The analysis assumes a start age of 16 years and an exposure duration equivalent to the construction duration of 1.53 years.

Since the construction emissions were modeled as a non-continuous source, the worker adjustment factor was used to adjust for the proper exposure concentration. When modeling a non-continuously emitting source (e.g., operating for eight hours per day and five days per week), the modeled long-term average concentrations are based on 24 hours a day and seven days per week for the period of the meteorological data set. Even though the emitting source is modeled using a non-continuous emissions schedule, the long-term concentration is still based on 24 hours a day and seven days per week. Thus, this concentration includes the zero hours when the source was not operating.

The worker adjustment factor (WAF) is used to determine the long-term concentration the worker is breathing during their work shift. Therefore, the long-term concentration is adjusted so it is based only on the hours when the worker is present. For this project, assuming the emitting source and worker's schedules are the same, the adjustment factor is $4.2 = (24 \text{ hours per day} / 8 \text{ hours per shift}) \times (7 \text{ days in a week} / 5 \text{ days in a work week})$.

HARP2 provides for the specification of the WAF for worker cancer risk assessments, and this was entered as 4.2 to make this adjustment.

Student Cancer Risk

Student cancer risk and chronic hazards were determined for Willow Elementary School (within 1,000 feet of the project site). The student risk calculations utilized a starting exposure age appropriate to elementary students (assumed 5 years) and a project specific exposure duration of 1.53 years.

Cancer risks utilized the 95th percentile 8-hour breathing rates for moderate activity specific to this age range. These breathing rates are documented in Table 5.8 of the OEHHA 2015 guideline document. For ages 2-9 the breathing rate is 640 (L/kg per 8 Hrs) and for ages 2-16 the breathing rate is 520 (L/kg-hr), consistent with BAAQMD recommended exposure values for students. HARP2 contains both age bins in its calculation database and for Students in the 2-9 age bin uses the higher, more conservative value.

Similar to the worker scenario, student exposures occur only when the non-continuous construction sources are emitting and thus students similarly inhale air with concentrations that are higher than AERMOD predicted long-term average concentrations. Therefore, the Worker (or Student) Adjustment Factor of 4.2 is also applied to the AERMOD predicted annual concentrations for the evaluation of student cancer risk.

Noncancer Chronic Health Risks

Chronic RELs are used to assess not only residential health impacts, but also worker and student health impacts.

Potential chronic noncancer health impacts use the long-term annual average concentration regardless of the emitting facility's schedule. As per OEHHA guidance, no adjustment factors were used to adjust this concentration for workers or students.

HARP2 Inputs and Results

HARP2 Output files are included to document the HRA exposure parameters and risk results.

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.33

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.33
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

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

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 saved to: F:\Jobs\35520009\HARP\ResCancerAllReceptors_CancerRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/18/2024 7:34:13 AM -

Cancer Risk - Input File: F:\Jobs\35520009\HARP\ResCancerAllReceptors_HRAInput.hra

GRP1	GRP2	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhaation Risk
559786	4243494	DieselExhPM	0.00095	2.2044e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2044e-07
559571	4243381	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559566	4242976	DieselExhPM	0.00016	3.7128e-08	1.33YrCancerDerived_Inh_FAH16to70	3.7128e-08
559511	4243435	DieselExhPM	0.00036	8.3537e-08	1.33YrCancerDerived_Inh_FAH16to70	8.3537e-08
560032	4242845	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559795	4243066	DieselExhPM	0.00193	4.4785e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4785e-07
559722	4243434	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559659	4242922	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559877	4242874	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559575	4243020	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559743	4243333	DieselExhPM	0.00292	6.7758e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7758e-07
559869	4242899	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
560007	4243008	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560067	4243502	DieselExhPM	0.00324	7.5183e-07	1.33YrCancerDerived_Inh_FAH16to70	7.5183e-07
559837	4243383	DieselExhPM	0.00497	1.1533e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1533e-06
560083	4243005	DieselExhPM	0.00109	2.5293e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5293e-07
560022	4242979	DieselExhPM	0.00135	3.1326e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1326e-07
560055	4242907	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
559617	4243316	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
560009	4243389	DieselExhPM	0.00766	1.7775e-06	1.33YrCancerDerived_Inh_FAH16to70	1.7775e-06
560034	4243262	DieselExhPM	0.01323	3.07e-06	1.33YrCancerDerived_Inh_FAH16to70	3.07e-06
560206	4243383	DieselExhPM	0.00198	4.5945e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5945e-07
559831	4242864	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
560156	4242960	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
560002	4243314	DieselExhPM	0.01389	3.2231e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2231e-06
559504	4243463	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
560143	4243459	DieselExhPM	0.00264	6.126e-07	1.33YrCancerDerived_Inh_FAH16to70	6.126e-07
559680	4242898	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560230	4243054	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
560120	4243497	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559805	4243413	DieselExhPM	0.00257	5.9636e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9636e-07
560112	4243546	DieselExhPM	0.00235	5.4531e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4531e-07
559862	4243464	DieselExhPM	0.0026	6.0332e-07	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-07
560236	4243399	DieselExhPM	0.00158	3.6663e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6663e-07
559643	4243093	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
559745	4242872	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560208	4242849	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08

560110	4243344	DieselExhPM	0.0045	1.0442e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-06
559567	4243075	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
560022	4243196	DieselExhPM	0.01945	4.5133e-06	1.33YrCancerDerived_Inh_FAH16to70	4.5133e-06
560237	4243105	DieselExhPM	0.00096	2.2277e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2277e-07
559582	4243444	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559760	4243309	DieselExhPM	0.00652	1.5129e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5129e-06
559860	4243332	DieselExhPM	0.01052	2.4411e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4411e-06
559538	4243477	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559527	4243344	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
559565	4243357	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560060	4242993	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559704	4243427	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559722	4243108	DieselExhPM	0.00142	3.2951e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2951e-07
559585	4243295	DieselExhPM	0.00153	3.5503e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5503e-07
559941	4242914	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
559554	4243238	DieselExhPM	0.00161	3.736e-07	1.33YrCancerDerived_Inh_FAH16to70	3.736e-07
559618	4242915	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559988	4243059	DieselExhPM	0.00344	7.9824e-07	1.33YrCancerDerived_Inh_FAH16to70	7.9824e-07
559666	4243196	DieselExhPM	0.00279	6.4741e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4741e-07
559984	4242997	DieselExhPM	0.00167	3.8752e-07	1.33YrCancerDerived_Inh_FAH16to70	3.8752e-07
559742	4243384	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
559798	4242883	DieselExhPM	0.00057	1.3227e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3227e-07
560104	4242860	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
559607	4243464	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559712	4243384	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
560176	4243043	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
560244	4243026	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559851	4243500	DieselExhPM	0.00179	4.1536e-07	1.33YrCancerDerived_Inh_FAH16to70	4.1536e-07
559733	4243055	DieselExhPM	0.00098	2.2741e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2741e-07
560227	4243023	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559834	4242934	DieselExhPM	0.00083	1.926e-07	1.33YrCancerDerived_Inh_FAH16to70	1.926e-07
559630	4243424	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559548	4243401	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559695	4243504	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559601	4243411	DieselExhPM	0.0005	1.1602e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1602e-07
560139	4242868	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559851	4242895	DieselExhPM	0.00071	1.6475e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6475e-07
560193	4242967	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560151	4243222	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
559488	4243456	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08

560027	4243013	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560249	4243058	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559687	4243326	DieselExhPM	0.00163	3.7824e-07	1.33YrCancerDerived_Inh_FAH16to70	3.7824e-07
560004	4242976	DieselExhPM	0.00137	3.179e-07	1.33YrCancerDerived_Inh_FAH16to70	3.179e-07
559731	4243528	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
560196	4243350	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07
559614	4243330	DieselExhPM	0.00119	2.7614e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7614e-07
559514	4243074	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560042	4243032	DieselExhPM	0.00225	5.2211e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2211e-07
559501	4243433	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559620	4243440	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560010	4243300	DieselExhPM	0.01395	3.2371e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2371e-06
559587	4243080	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
560211	4242971	DieselExhPM	0.00039	9.0498e-08	1.33YrCancerDerived_Inh_FAH16to70	9.0498e-08
559763	4242840	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559511	4243134	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
560245	4243370	DieselExhPM	0.00152	3.5271e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5271e-07
559578	4242978	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
560158	4242872	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
559680	4242903	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559970	4243055	DieselExhPM	0.00289	6.7062e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7062e-07
560030	4243183	DieselExhPM	0.01859	4.3138e-06	1.33YrCancerDerived_Inh_FAH16to70	4.3138e-06
559514	4243409	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559535	4243396	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
560048	4243297	DieselExhPM	0.00954	2.2137e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2137e-06
560015	4242841	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
559814	4243062	DieselExhPM	0.00206	4.7802e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7802e-07
560020	4242900	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
559881	4243433	DieselExhPM	0.00386	8.957e-07	1.33YrCancerDerived_Inh_FAH16to70	8.957e-07
560147	4243085	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
560200	4243097	DieselExhPM	0.00115	2.6685e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6685e-07
559787	4243303	DieselExhPM	0.01163	2.6987e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6987e-06
559640	4243408	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560209	4243019	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
560212	4243050	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559655	4243269	DieselExhPM	0.00295	6.8454e-07	1.33YrCancerDerived_Inh_FAH16to70	6.8454e-07
560155	4243007	DieselExhPM	0.00064	1.4851e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4851e-07
559974	4243274	DieselExhPM	0.02396	5.5599e-06	1.33YrCancerDerived_Inh_FAH16to70	5.5599e-06
559966	4243286	DieselExhPM	0.02409	5.59e-06	1.33YrCancerDerived_Inh_FAH16to70	5.59e-06
559859	4243487	DieselExhPM	0.0021	4.873e-07	1.33YrCancerDerived_Inh_FAH16to70	4.873e-07

560050	4242849	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559670	4243445	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559781	4243315	DieselExhPM	0.00847	1.9654e-06	1.33YrCancerDerived_Inh_FAH16to70	1.9654e-06
560127	4242923	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559669	4243159	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560183	4243093	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
560130	4243312	DieselExhPM	0.0041	9.5139e-07	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-07
559667	4242971	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559545	4243369	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559944	4242999	DieselExhPM	0.00156	3.6199e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6199e-07
560073	4242911	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
560154	4243440	DieselExhPM	0.00259	6.01e-07	1.33YrCancerDerived_Inh_FAH16to70	6.01e-07
559874	4243472	DieselExhPM	0.00265	6.1493e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1493e-07
560127	4243411	DieselExhPM	0.00332	7.704e-07	1.33YrCancerDerived_Inh_FAH16to70	7.704e-07
560192	4243477	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560264	4243031	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559576	4243459	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559885	4243337	DieselExhPM	0.01165	2.7034e-06	1.33YrCancerDerived_Inh_FAH16to70	2.7034e-06
559547	4243449	DieselExhPM	0.00034	7.8896e-08	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-08
560233	4243285	DieselExhPM	0.00172	3.9912e-07	1.33YrCancerDerived_Inh_FAH16to70	3.9912e-07
559681	4243221	DieselExhPM	0.00389	9.0266e-07	1.33YrCancerDerived_Inh_FAH16to70	9.0266e-07
560060	4243278	DieselExhPM	0.00919	2.1325e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1325e-06
559759	4243481	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559723	4243468	DieselExhPM	0.00054	1.2531e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2531e-07
559804	4242928	DieselExhPM	0.00072	1.6707e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6707e-07
559669	4243362	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
559838	4243423	DieselExhPM	0.00319	7.4023e-07	1.33YrCancerDerived_Inh_FAH16to70	7.4023e-07
559481	4243378	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
560086	4243333	DieselExhPM	0.00574	1.332e-06	1.33YrCancerDerived_Inh_FAH16to70	1.332e-06
560123	4243031	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
559909	4242991	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
559635	4243296	DieselExhPM	0.00193	4.4785e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4785e-07
560083	4243183	DieselExhPM	0.00914	2.1209e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1209e-06
560026	4243274	DieselExhPM	0.01356	3.1466e-06	1.33YrCancerDerived_Inh_FAH16to70	3.1466e-06
559764	4243115	DieselExhPM	0.00267	6.1957e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1957e-07
560229	4242975	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559659	4242942	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559653	4243155	DieselExhPM	0.0015	3.4807e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4807e-07
560180	4242934	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559919	4243112	DieselExhPM	0.00611	1.4178e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4178e-06

559562	4243407	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
560066	4243258	DieselExhPM	0.00927	2.1511e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1511e-06
560104	4243028	DieselExhPM	0.00111	2.5757e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5757e-07
559715	4243508	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
560287	4243076	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
559594	4242939	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
560137	4243004	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560017	4243374	DieselExhPM	0.00807	1.8726e-06	1.33YrCancerDerived_Inh_FAH16to70	1.8726e-06
559852	4243427	DieselExhPM	0.0034	7.8896e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-07
560211	4242883	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
560064	4243350	DieselExhPM	0.00645	1.4967e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4967e-06
560175	4242876	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559572	4243408	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
560290	4242866	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
560191	4243015	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560042	4243249	DieselExhPM	0.01278	2.9656e-06	1.33YrCancerDerived_Inh_FAH16to70	2.9656e-06
560172	4243502	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
560036	4243316	DieselExhPM	0.00973	2.2578e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2578e-06
559534	4243443	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559611	4243173	DieselExhPM	0.00146	3.3879e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3879e-07
559590	4242980	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559483	4243212	DieselExhPM	0.00104	2.4133e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4133e-07
560019	4243286	DieselExhPM	0.0138	3.2023e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2023e-06
559668	4243039	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
560094	4243465	DieselExhPM	0.00338	7.8432e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8432e-07
560165	4243089	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
560069	4243193	DieselExhPM	0.01107	2.5688e-06	1.33YrCancerDerived_Inh_FAH16to70	2.5688e-06
560264	4242983	DieselExhPM	0.00034	7.8896e-08	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-08
560271	4243330	DieselExhPM	0.00131	3.0398e-07	1.33YrCancerDerived_Inh_FAH16to70	3.0398e-07
560129	4243080	DieselExhPM	0.00176	4.084e-07	1.33YrCancerDerived_Inh_FAH16to70	4.084e-07
560004	4243066	DieselExhPM	0.00423	9.8156e-07	1.33YrCancerDerived_Inh_FAH16to70	9.8156e-07
559679	4243501	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559530	4243123	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560146	4243374	DieselExhPM	0.00315	7.3095e-07	1.33YrCancerDerived_Inh_FAH16to70	7.3095e-07
559520	4243076	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
559595	4243423	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559995	4242925	DieselExhPM	0.00093	2.158e-07	1.33YrCancerDerived_Inh_FAH16to70	2.158e-07
560074	4243557	DieselExhPM	0.0025	5.8012e-07	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-07
559718	4243283	DieselExhPM	0.00395	9.1659e-07	1.33YrCancerDerived_Inh_FAH16to70	9.1659e-07
559653	4242995	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08

559999	4243405	DieselExhPM	0.00709	1.6452e-06	1.33YrCancerDerived_Inh_FAH16to70	1.6452e-06
560108	4243515	DieselExhPM	0.00266	6.1725e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1725e-07
559993	4243328	DieselExhPM	0.01362	3.1605e-06	1.33YrCancerDerived_Inh_FAH16to70	3.1605e-06
559935	4243047	DieselExhPM	0.00236	5.4763e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4763e-07
559811	4243484	DieselExhPM	0.00138	3.2023e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2023e-07
559846	4243520	DieselExhPM	0.00146	3.3879e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3879e-07
559622	4243303	DieselExhPM	0.00166	3.852e-07	1.33YrCancerDerived_Inh_FAH16to70	3.852e-07
560065	4243209	DieselExhPM	0.01132	2.6268e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6268e-06
560139	4242956	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
559560	4243141	DieselExhPM	0.00078	1.81e-07	1.33YrCancerDerived_Inh_FAH16to70	1.81e-07
559706	4243460	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559789	4243546	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559732	4243210	DieselExhPM	0.00648	1.5037e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5037e-06
559860	4243273	DieselExhPM	0.02145	4.9774e-06	1.33YrCancerDerived_Inh_FAH16to70	4.9774e-06
559847	4242968	DieselExhPM	0.00105	2.4365e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4365e-07
560040	4242983	DieselExhPM	0.00128	2.9702e-07	1.33YrCancerDerived_Inh_FAH16to70	2.9702e-07
559506	4243222	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559666	4243304	DieselExhPM	0.00199	4.6177e-07	1.33YrCancerDerived_Inh_FAH16to70	4.6177e-07
559761	4243391	DieselExhPM	0.00173	4.0144e-07	1.33YrCancerDerived_Inh_FAH16to70	4.0144e-07
559950	4243314	DieselExhPM	0.02266	5.2582e-06	1.33YrCancerDerived_Inh_FAH16to70	5.2582e-06
559844	4243067	DieselExhPM	0.00252	5.8476e-07	1.33YrCancerDerived_Inh_FAH16to70	5.8476e-07
559606	4243085	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
560037	4242904	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559797	4243425	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559694	4243047	DieselExhPM	0.00061	1.4155e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4155e-07
559494	4243351	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560091	4242915	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
559780	4242879	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
560263	4243103	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560127	4243248	DieselExhPM	0.00471	1.0929e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0929e-06
559603	4243018	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559945	4242884	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559881	4243396	DieselExhPM	0.00549	1.2739e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2739e-06
560103	4242948	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559926	4242995	DieselExhPM	0.00147	3.4111e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4111e-07
559879	4243067	DieselExhPM	0.00279	6.4741e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4741e-07
560141	4243035	DieselExhPM	0.00089	2.0652e-07	1.33YrCancerDerived_Inh_FAH16to70	2.0652e-07
559575	4243359	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
559662	4243098	DieselExhPM	0.00071	1.6475e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6475e-07
560121	4242864	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08

559641	4242992	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559905	4242906	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07
559602	4243186	DieselExhPM	0.00161	3.736e-07	1.33YrCancerDerived_Inh_FAH16to70	3.736e-07
559558	4243376	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
559540	4243070	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559595	4243157	DieselExhPM	0.0011	2.5525e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5525e-07
559607	4243400	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560201	4243286	DieselExhPM	0.00223	5.1747e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1747e-07
559610	4242913	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
559613	4243392	DieselExhPM	0.00061	1.4155e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4155e-07
559967	4243412	DieselExhPM	0.00713	1.6545e-06	1.33YrCancerDerived_Inh_FAH16to70	1.6545e-06
559489	4243172	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560094	4243083	DieselExhPM	0.00277	6.4277e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4277e-07
559821	4243473	DieselExhPM	0.00168	3.8984e-07	1.33YrCancerDerived_Inh_FAH16to70	3.8984e-07
559572	4243491	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560050	4243236	DieselExhPM	0.01229	2.8519e-06	1.33YrCancerDerived_Inh_FAH16to70	2.8519e-06
560049	4242937	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07
559653	4242898	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
560090	4243542	DieselExhPM	0.00256	5.9404e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9404e-07
559522	4243439	DieselExhPM	0.00036	8.3537e-08	1.33YrCancerDerived_Inh_FAH16to70	8.3537e-08
559589	4243498	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559506	4243141	DieselExhPM	0.00064	1.4851e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4851e-07
559477	4243424	DieselExhPM	0.00038	8.8178e-08	1.33YrCancerDerived_Inh_FAH16to70	8.8178e-08
559631	4243209	DieselExhPM	0.00236	5.4763e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4763e-07
560091	4242858	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559640	4243195	DieselExhPM	0.00223	5.1747e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1747e-07
559621	4242961	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559961	4243374	DieselExhPM	0.01083	2.5131e-06	1.33YrCancerDerived_Inh_FAH16to70	2.5131e-06
559841	4243113	DieselExhPM	0.00472	1.0953e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0953e-06
560121	4242952	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560082	4243478	DieselExhPM	0.00339	7.8664e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8664e-07
559833	4242891	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559550	4243027	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559800	4243501	DieselExhPM	0.00106	2.4597e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4597e-07
559911	4243362	DieselExhPM	0.01047	2.4295e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4295e-06
559899	4243069	DieselExhPM	0.00297	6.8918e-07	1.33YrCancerDerived_Inh_FAH16to70	6.8918e-07
559789	4242850	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
560101	4242998	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
560014	4243209	DieselExhPM	0.02032	4.7152e-06	1.33YrCancerDerived_Inh_FAH16to70	4.7152e-06
559686	4243164	DieselExhPM	0.00227	5.2675e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2675e-07

559971	4243360	DieselExhPM	0.01212	2.8124e-06	1.33YrCancerDerived_Inh_FAH16to70	2.8124e-06
559879	4242870	DieselExhPM	0.00066	1.5315e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5315e-07
559915	4242958	DieselExhPM	0.00113	2.6221e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6221e-07
560109	4242919	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559742	4243476	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559608	4243346	DieselExhPM	0.00098	2.2741e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2741e-07
559555	4243484	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560228	4242888	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560120	4243328	DieselExhPM	0.00432	1.0024e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0024e-06
559708	4243300	DieselExhPM	0.00272	6.3117e-07	1.33YrCancerDerived_Inh_FAH16to70	6.3117e-07
559624	4243089	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
560200	4243266	DieselExhPM	0.00225	5.2211e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2211e-07
559679	4243346	DieselExhPM	0.00122	2.831e-07	1.33YrCancerDerived_Inh_FAH16to70	2.831e-07
560190	4242845	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560056	4243523	DieselExhPM	0.00302	7.0078e-07	1.33YrCancerDerived_Inh_FAH16to70	7.0078e-07
559606	4243502	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560175	4242964	DieselExhPM	0.00044	1.021e-07	1.33YrCancerDerived_Inh_FAH16to70	1.021e-07
560147	4243517	DieselExhPM	0.00222	5.1514e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1514e-07
560099	4243152	DieselExhPM	0.00642	1.4897e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4897e-06
560038	4243554	DieselExhPM	0.00266	6.1725e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1725e-07
559616	4243156	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559755	4243059	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
559679	4243270	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
559766	4242842	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560045	4243426	DieselExhPM	0.0051	1.1834e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-06
559647	4243034	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559563	4243426	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559775	4243062	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
559807	4242859	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
560286	4243333	DieselExhPM	0.00119	2.7614e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7614e-07
560130	4243515	DieselExhPM	0.00242	5.6155e-07	1.33YrCancerDerived_Inh_FAH16to70	5.6155e-07
560146	4243254	DieselExhPM	0.00379	8.7946e-07	1.33YrCancerDerived_Inh_FAH16to70	8.7946e-07
559980	4243015	DieselExhPM	0.00197	4.5713e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5713e-07
559649	4242921	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
560251	4243289	DieselExhPM	0.0015	3.4807e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4807e-07
560289	4242957	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559932	4242962	DieselExhPM	0.00118	2.7382e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7382e-07
560156	4243358	DieselExhPM	0.003	6.9614e-07	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-07
560247	4242892	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08
559775	4243540	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07

559913	4243406	DieselExhPM	0.00623	1.4457e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4457e-06
559850	4242868	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560144	4242926	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
559513	4243341	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
559502	4243335	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560252	4243332	DieselExhPM	0.00148	3.4343e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4343e-07
559851	4243387	DieselExhPM	0.00513	1.1904e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1904e-06
559523	4243361	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
560283	4242898	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559813	4243321	DieselExhPM	0.01125	2.6105e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6105e-06
559599	4243265	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559960	4242918	DieselExhPM	0.00091	2.1116e-07	1.33YrCancerDerived_Inh_FAH16to70	2.1116e-07
560108	4243134	DieselExhPM	0.00477	1.1069e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1069e-06
559634	4243149	DieselExhPM	0.00122	2.831e-07	1.33YrCancerDerived_Inh_FAH16to70	2.831e-07
560104	4243447	DieselExhPM	0.0034	7.8896e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-07
560252	4242949	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560086	4243320	DieselExhPM	0.00601	1.3946e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3946e-06
560177	4243489	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559594	4243201	DieselExhPM	0.00173	4.0144e-07	1.33YrCancerDerived_Inh_FAH16to70	4.0144e-07
559997	4243327	DieselExhPM	0.01317	3.0561e-06	1.33YrCancerDerived_Inh_FAH16to70	3.0561e-06
559901	4242875	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559998	4243235	DieselExhPM	0.02222	5.1561e-06	1.33YrCancerDerived_Inh_FAH16to70	5.1561e-06
559958	4243299	DieselExhPM	0.0238	5.5227e-06	1.33YrCancerDerived_Inh_FAH16to70	5.5227e-06
559861	4243065	DieselExhPM	0.0026	6.0332e-07	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-07
560042	4243015	DieselExhPM	0.0018	4.1769e-07	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-07
560166	4243260	DieselExhPM	0.00307	7.1239e-07	1.33YrCancerDerived_Inh_FAH16to70	7.1239e-07
559546	4242997	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
559748	4243531	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559680	4242925	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
559659	4243377	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560067	4242941	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559624	4242916	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
560162	4242930	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
559952	4243388	DieselExhPM	0.00917	2.1279e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1279e-06
559788	4243464	DieselExhPM	0.00124	2.8774e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8774e-07
559887	4242902	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
559986	4242972	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
560217	4242942	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559611	4242985	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559923	4242880	DieselExhPM	0.00072	1.6707e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6707e-07

559689	4243453	DieselExhPM	0.00046	1.0674e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0674e-07
560193	4242880	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559626	4243030	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560001	4242896	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559629	4242918	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559509	4243356	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559816	4243120	DieselExhPM	0.00462	1.0721e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0721e-06
559768	4243350	DieselExhPM	0.00355	8.2377e-07	1.33YrCancerDerived_Inh_FAH16to70	8.2377e-07
559729	4242966	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
560282	4242987	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559724	4243553	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559667	4243527	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559763	4243535	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
559670	4242924	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559775	4243456	DieselExhPM	0.00112	2.5989e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5989e-07
559632	4243356	DieselExhPM	0.00093	2.158e-07	1.33YrCancerDerived_Inh_FAH16to70	2.158e-07
560250	4242850	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559740	4243109	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560006	4243222	DieselExhPM	0.02135	4.9542e-06	1.33YrCancerDerived_Inh_FAH16to70	4.9542e-06
559834	4242861	DieselExhPM	0.00058	1.3459e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3459e-07
559833	4243327	DieselExhPM	0.01134	2.6314e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6314e-06
560270	4242953	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559950	4242965	DieselExhPM	0.00124	2.8774e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8774e-07
560166	4243342	DieselExhPM	0.00285	6.6133e-07	1.33YrCancerDerived_Inh_FAH16to70	6.6133e-07
559966	4243109	DieselExhPM	0.00661	1.5338e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5338e-06
560014	4242929	DieselExhPM	0.00091	2.1116e-07	1.33YrCancerDerived_Inh_FAH16to70	2.1116e-07
559653	4243215	DieselExhPM	0.00292	6.7758e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7758e-07
559683	4243100	DieselExhPM	0.00086	1.9956e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9956e-07
559632	4242989	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559821	4243382	DieselExhPM	0.00445	1.0326e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0326e-06
559699	4243541	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560226	4242853	DieselExhPM	0.00023	5.3371e-08	1.33YrCancerDerived_Inh_FAH16to70	5.3371e-08
559621	4242987	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08
560024	4243335	DieselExhPM	0.00973	2.2578e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2578e-06
559777	4243408	DieselExhPM	0.00184	4.2697e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2697e-07
560032	4242933	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
559486	4243330	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
559966	4242889	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
560109	4243286	DieselExhPM	0.00535	1.2415e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2415e-06
559670	4242959	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08

559650	4243392	DieselExhPM	0.00066	1.5315e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5315e-07
559722	4243369	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
559479	4243121	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
560088	4242945	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559885	4243342	DieselExhPM	0.01073	2.4899e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4899e-06
559544	4243345	DieselExhPM	0.00084	1.9492e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9492e-07
559990	4243248	DieselExhPM	0.02289	5.3116e-06	1.33YrCancerDerived_Inh_FAH16to70	5.3116e-06
559634	4242919	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
560236	4243327	DieselExhPM	0.00166	3.852e-07	1.33YrCancerDerived_Inh_FAH16to70	3.852e-07
560058	4243223	DieselExhPM	0.01171	2.7173e-06	1.33YrCancerDerived_Inh_FAH16to70	2.7173e-06
559639	4243342	DieselExhPM	0.00111	2.5757e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5757e-07
559624	4243506	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559538	4243021	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559942	4243406	DieselExhPM	0.00724	1.68e-06	1.33YrCancerDerived_Inh_FAH16to70	1.68e-06
560078	4243026	DieselExhPM	0.00143	3.3183e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3183e-07
560141	4243295	DieselExhPM	0.00384	8.9106e-07	1.33YrCancerDerived_Inh_FAH16to70	8.9106e-07
559647	4242940	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559923	4242910	DieselExhPM	0.00085	1.9724e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9724e-07
560218	4243101	DieselExhPM	0.00105	2.4365e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4365e-07
559894	4243441	DieselExhPM	0.0039	9.0498e-07	1.33YrCancerDerived_Inh_FAH16to70	9.0498e-07
559974	4243084	DieselExhPM	0.00466	1.0813e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0813e-06
559588	4243384	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559702	4243232	DieselExhPM	0.00495	1.1486e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1486e-06
559658	4243542	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559816	4242887	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560063	4243047	DieselExhPM	0.00226	5.2443e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2443e-07
559492	4243379	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
559551	4243423	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559712	4243048	DieselExhPM	0.00074	1.7171e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7171e-07
559592	4243367	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559664	4242983	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559538	4243419	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560093	4243164	DieselExhPM	0.00756	1.7543e-06	1.33YrCancerDerived_Inh_FAH16to70	1.7543e-06
559758	4243449	DieselExhPM	0.00095	2.2044e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2044e-07
559970	4242838	DieselExhPM	0.00058	1.3459e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3459e-07
560278	4243094	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559601	4242982	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
559486	4243398	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559832	4243508	DieselExhPM	0.00141	3.2719e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2719e-07
560122	4243555	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07

559554	4243018	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
559917	4243043	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07
559700	4243107	DieselExhPM	0.00109	2.5293e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5293e-07
560065	4243075	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
560100	4243361	DieselExhPM	0.00465	1.079e-06	1.33YrCancerDerived_Inh_FAH16to70	1.079e-06
560166	4243422	DieselExhPM	0.00249	5.778e-07	1.33YrCancerDerived_Inh_FAH16to70	5.778e-07
559982	4243261	DieselExhPM	0.02355	5.4647e-06	1.33YrCancerDerived_Inh_FAH16to70	5.4647e-06
560115	4243430	DieselExhPM	0.00338	7.8432e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8432e-07
560158	4243039	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07
560302	4242902	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
560268	4243296	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
559588	4243431	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560246	4242869	DieselExhPM	0.00023	5.3371e-08	1.33YrCancerDerived_Inh_FAH16to70	5.3371e-08
559632	4242939	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
560146	4242842	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559866	4243112	DieselExhPM	0.00518	1.202e-06	1.33YrCancerDerived_Inh_FAH16to70	1.202e-06
559900	4243040	DieselExhPM	0.00208	4.8266e-07	1.33YrCancerDerived_Inh_FAH16to70	4.8266e-07
559613	4242914	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559527	4243415	DieselExhPM	0.00044	1.021e-07	1.33YrCancerDerived_Inh_FAH16to70	1.021e-07
559649	4243332	DieselExhPM	0.00129	2.9934e-07	1.33YrCancerDerived_Inh_FAH16to70	2.9934e-07
559537	4243123	DieselExhPM	0.00057	1.3227e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3227e-07
559938	4242887	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
560179	4243448	DieselExhPM	0.00217	5.0354e-07	1.33YrCancerDerived_Inh_FAH16to70	5.0354e-07
559502	4243149	DieselExhPM	0.00068	1.5779e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5779e-07
559686	4243419	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
559560	4243455	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559857	4242865	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560173	4243011	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
559847	4243363	DieselExhPM	0.00678	1.5733e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5733e-06
559812	4242856	DieselExhPM	0.00054	1.2531e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2531e-07
559866	4243392	DieselExhPM	0.00528	1.2252e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2252e-06
559664	4242901	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559518	4243118	DieselExhPM	0.0005	1.1602e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1602e-07
559763	4242938	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559800	4243550	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559656	4243319	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
559510	4243073	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559543	4243064	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559698	4243315	DieselExhPM	0.00201	4.6642e-07	1.33YrCancerDerived_Inh_FAH16to70	4.6642e-07
560235	4242946	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08

559671	4242944	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560172	4242844	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559892	4243112	DieselExhPM	0.00564	1.3087e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3087e-06
559481	4243347	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559652	4243300	DieselExhPM	0.00198	4.5945e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5945e-07
559558	4242990	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
559924	4243073	DieselExhPM	0.00321	7.4487e-07	1.33YrCancerDerived_Inh_FAH16to70	7.4487e-07
559623	4243482	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560194	4243046	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
560131	4243478	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559530	4243229	DieselExhPM	0.00139	3.2255e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2255e-07
560119	4243000	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
559521	4243470	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559732	4243352	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560082	4243240	DieselExhPM	0.00815	1.8912e-06	1.33YrCancerDerived_Inh_FAH16to70	1.8912e-06
559772	4243487	DieselExhPM	0.00083	1.926e-07	1.33YrCancerDerived_Inh_FAH16to70	1.926e-07
559895	4242877	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559789	4243120	DieselExhPM	0.00374	8.6786e-07	1.33YrCancerDerived_Inh_FAH16to70	8.6786e-07
559573	4243175	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
560246	4242979	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
560068	4242853	DieselExhPM	0.00046	1.0674e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0674e-07
559785	4242851	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
559488	4243426	DieselExhPM	0.00038	8.8178e-08	1.33YrCancerDerived_Inh_FAH16to70	8.8178e-08
560027	4243065	DieselExhPM	0.00417	9.6764e-07	1.33YrCancerDerived_Inh_FAH16to70	9.6764e-07
559762	4242876	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
559640	4243256	DieselExhPM	0.00288	6.683e-07	1.33YrCancerDerived_Inh_FAH16to70	6.683e-07
559625	4242950	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559987	4243422	DieselExhPM	0.00642	1.4897e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4897e-06
559560	4243003	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
559739	4243441	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560181	4243221	DieselExhPM	0.00256	5.9404e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9404e-07
560296	4243060	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
560244	4243382	DieselExhPM	0.00151	3.5039e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5039e-07
559497	4243157	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
559644	4243486	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560176	4243326	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559492	4243165	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
560099	4243302	DieselExhPM	0.00567	1.3157e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3157e-06
560199	4242938	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
560111	4243078	DieselExhPM	0.00205	4.757e-07	1.33YrCancerDerived_Inh_FAH16to70	4.757e-07

559901	4243422	DieselExhPM	0.00486	1.1277e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1277e-06
559627	4243370	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
560187	4243309	DieselExhPM	0.00249	5.778e-07	1.33YrCancerDerived_Inh_FAH16to70	5.778e-07
559620	4243380	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560285	4243301	DieselExhPM	0.0012	2.7846e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7846e-07
559885	4242812	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
559903	4242820	DieselExhPM	0.00054	1.2531e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2531e-07
559918	4242825	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
559940	4242806	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559971	4242815	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
559974	4242798	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
560019	4242812	DieselExhPM	0.00046	1.0674e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0674e-07
560039	4242812	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560058	4242818	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560073	4242825	DieselExhPM	0.00039	9.0498e-08	1.33YrCancerDerived_Inh_FAH16to70	9.0498e-08
560103	4242826	DieselExhPM	0.00034	7.8896e-08	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-08
560139	4242819	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
560303	4243044	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
560310	4243029	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
560319	4242999	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
560320	4242968	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559936	4243481	DieselExhPM	0.00356	8.2609e-07	1.33YrCancerDerived_Inh_FAH16to70	8.2609e-07
559976	4243501	DieselExhPM	0.00353	8.1913e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1913e-07
559993	4243512	DieselExhPM	0.00336	7.7968e-07	1.33YrCancerDerived_Inh_FAH16to70	7.7968e-07
560027	4243524	DieselExhPM	0.00314	7.2863e-07	1.33YrCancerDerived_Inh_FAH16to70	7.2863e-07
559940	4243461	DieselExhPM	0.00427	9.9084e-07	1.33YrCancerDerived_Inh_FAH16to70	9.9084e-07
559936	4243443	DieselExhPM	0.00492	1.1417e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1417e-06
559961	4243443	DieselExhPM	0.00537	1.2461e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2461e-06
560004	4243461	DieselExhPM	0.00471	1.0929e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0929e-06
560042	4243485	DieselExhPM	0.00377	8.7482e-07	1.33YrCancerDerived_Inh_FAH16to70	8.7482e-07
560046	4243462	DieselExhPM	0.0042	9.746e-07	1.33YrCancerDerived_Inh_FAH16to70	9.746e-07
560061	4243440	DieselExhPM	0.0044	1.021e-06	1.33YrCancerDerived_Inh_FAH16to70	1.021e-06
560022	4243579	DieselExhPM	0.00233	5.4067e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4067e-07
560039	4243593	DieselExhPM	0.0022	5.105e-07	1.33YrCancerDerived_Inh_FAH16to70	5.105e-07
560052	4243600	DieselExhPM	0.00212	4.9194e-07	1.33YrCancerDerived_Inh_FAH16to70	4.9194e-07
559754	4243137	DieselExhPM	0.00325	7.5415e-07	1.33YrCancerDerived_Inh_FAH16to70	7.5415e-07
560125	4243225	DieselExhPM	0.00482	1.1185e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1185e-06
560225	4243225	DieselExhPM	0.00173	4.0144e-07	1.33YrCancerDerived_Inh_FAH16to70	4.0144e-07
560275	4243225	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
560325	4243225	DieselExhPM	0.0009	2.0884e-07	1.33YrCancerDerived_Inh_FAH16to70	2.0884e-07

560325	4243275	DieselExhPM	0.00094	2.1812e-07	1.33YrCancerDerived_Inh_FAH16to70	2.1812e-07
560125	4243175	DieselExhPM	0.00442	1.0256e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0256e-06
560175	4243175	DieselExhPM	0.00237	5.4995e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4995e-07
560225	4243175	DieselExhPM	0.00152	3.5271e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5271e-07
560275	4243175	DieselExhPM	0.00108	2.5061e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5061e-07
560325	4243175	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560325	4243125	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
560375	4243075	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
560125	4243225	DieselExhPM	0.00482	1.1185e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1185e-06
559782	4242995	DieselExhPM	0.00095	2.2044e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2044e-07
559849	4243560	DieselExhPM	0.00114	2.6453e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6453e-07
559884	4243576	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
559927	4243592	DieselExhPM	0.00161	3.736e-07	1.33YrCancerDerived_Inh_FAH16to70	3.736e-07
559959	4243608	DieselExhPM	0.00171	3.968e-07	1.33YrCancerDerived_Inh_FAH16to70	3.968e-07
559979	4243585	DieselExhPM	0.00209	4.8498e-07	1.33YrCancerDerived_Inh_FAH16to70	4.8498e-07
559939	4243563	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559894	4243553	DieselExhPM	0.00168	3.8984e-07	1.33YrCancerDerived_Inh_FAH16to70	3.8984e-07
559864	4243537	DieselExhPM	0.0015	3.4807e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4807e-07
560029	4243480	DieselExhPM	0.00401	9.3051e-07	1.33YrCancerDerived_Inh_FAH16to70	9.3051e-07
559786	4243494	DieselExhPM	0.00095	2.2044e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2044e-07
559571	4243381	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559566	4242976	DieselExhPM	0.00016	3.7128e-08	1.33YrCancerDerived_Inh_FAH16to70	3.7128e-08
559511	4243435	DieselExhPM	0.00036	8.3537e-08	1.33YrCancerDerived_Inh_FAH16to70	8.3537e-08
560032	4242845	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559795	4243066	DieselExhPM	0.00193	4.4785e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4785e-07
559722	4243434	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559659	4242922	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559877	4242874	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559575	4243020	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559743	4243333	DieselExhPM	0.00292	6.7758e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7758e-07
559679	4242837	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559869	4242899	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
560007	4243008	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560067	4243502	DieselExhPM	0.00324	7.5183e-07	1.33YrCancerDerived_Inh_FAH16to70	7.5183e-07
559837	4243383	DieselExhPM	0.00497	1.1533e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1533e-06
560083	4243005	DieselExhPM	0.00109	2.5293e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5293e-07
560022	4242979	DieselExhPM	0.00135	3.1326e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1326e-07
560055	4242907	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
559617	4243316	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
560009	4243389	DieselExhPM	0.00766	1.7775e-06	1.33YrCancerDerived_Inh_FAH16to70	1.7775e-06

560034	4243262	DieselExhPM	0.01323	3.07e-06	1.33YrCancerDerived_Inh_FAH16to70	3.07e-06
560206	4243383	DieselExhPM	0.00198	4.5945e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5945e-07
559831	4242864	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
560156	4242960	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
560002	4243314	DieselExhPM	0.01389	3.2231e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2231e-06
559504	4243463	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
560143	4243459	DieselExhPM	0.00264	6.126e-07	1.33YrCancerDerived_Inh_FAH16to70	6.126e-07
559680	4242898	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560230	4243054	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
560120	4243497	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559805	4243413	DieselExhPM	0.00257	5.9636e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9636e-07
560112	4243546	DieselExhPM	0.00235	5.4531e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4531e-07
559862	4243464	DieselExhPM	0.0026	6.0332e-07	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-07
560236	4243399	DieselExhPM	0.00158	3.6663e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6663e-07
559643	4243093	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
559745	4242872	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560208	4242849	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08
560110	4243344	DieselExhPM	0.0045	1.0442e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-06
559567	4243075	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559733	4242944	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
560022	4243196	DieselExhPM	0.01945	4.5133e-06	1.33YrCancerDerived_Inh_FAH16to70	4.5133e-06
560237	4243105	DieselExhPM	0.00096	2.2277e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2277e-07
559582	4243444	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559760	4243309	DieselExhPM	0.00652	1.5129e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5129e-06
559860	4243332	DieselExhPM	0.01052	2.4411e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4411e-06
559538	4243477	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559527	4243344	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
559565	4243357	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560060	4242993	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559704	4243427	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559722	4243108	DieselExhPM	0.00142	3.2951e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2951e-07
559585	4243295	DieselExhPM	0.00153	3.5503e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5503e-07
559941	4242914	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
559554	4243238	DieselExhPM	0.00161	3.736e-07	1.33YrCancerDerived_Inh_FAH16to70	3.736e-07
559618	4242915	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559988	4243059	DieselExhPM	0.00344	7.9824e-07	1.33YrCancerDerived_Inh_FAH16to70	7.9824e-07
559666	4243196	DieselExhPM	0.00279	6.4741e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4741e-07
559984	4242997	DieselExhPM	0.00167	3.8752e-07	1.33YrCancerDerived_Inh_FAH16to70	3.8752e-07
559742	4243384	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
559798	4242883	DieselExhPM	0.00057	1.3227e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3227e-07

560104	4242860	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
559607	4243464	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559712	4243384	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
560176	4243043	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
560244	4243026	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559851	4243500	DieselExhPM	0.00179	4.1536e-07	1.33YrCancerDerived_Inh_FAH16to70	4.1536e-07
559733	4243055	DieselExhPM	0.00098	2.2741e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2741e-07
560227	4243023	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559834	4242934	DieselExhPM	0.00083	1.926e-07	1.33YrCancerDerived_Inh_FAH16to70	1.926e-07
559630	4243424	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559548	4243401	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559695	4243504	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559601	4243411	DieselExhPM	0.0005	1.1602e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1602e-07
560139	4242868	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559851	4242895	DieselExhPM	0.00071	1.6475e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6475e-07
560193	4242967	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560151	4243222	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
559488	4243456	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560027	4243013	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560249	4243058	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559687	4243326	DieselExhPM	0.00163	3.7824e-07	1.33YrCancerDerived_Inh_FAH16to70	3.7824e-07
560004	4242976	DieselExhPM	0.00137	3.179e-07	1.33YrCancerDerived_Inh_FAH16to70	3.179e-07
559731	4243528	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
560196	4243350	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07
559614	4243330	DieselExhPM	0.00119	2.7614e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7614e-07
559514	4243074	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560042	4243032	DieselExhPM	0.00225	5.2211e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2211e-07
559501	4243433	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559620	4243440	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560010	4243300	DieselExhPM	0.01395	3.2371e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2371e-06
559587	4243080	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
560211	4242971	DieselExhPM	0.00039	9.0498e-08	1.33YrCancerDerived_Inh_FAH16to70	9.0498e-08
559763	4242840	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559511	4243134	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
560245	4243370	DieselExhPM	0.00152	3.5271e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5271e-07
559578	4242978	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
560158	4242872	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
559680	4242903	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559970	4243055	DieselExhPM	0.00289	6.7062e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7062e-07
560030	4243183	DieselExhPM	0.01859	4.3138e-06	1.33YrCancerDerived_Inh_FAH16to70	4.3138e-06

559514	4243409	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559535	4243396	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
560048	4243297	DieselExhPM	0.00954	2.2137e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2137e-06
560015	4242841	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
559814	4243062	DieselExhPM	0.00206	4.7802e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7802e-07
560020	4242900	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
559881	4243433	DieselExhPM	0.00386	8.957e-07	1.33YrCancerDerived_Inh_FAH16to70	8.957e-07
560147	4243085	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
560200	4243097	DieselExhPM	0.00115	2.6685e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6685e-07
559787	4243303	DieselExhPM	0.01163	2.6987e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6987e-06
559640	4243408	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560209	4243019	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
560212	4243050	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559655	4243269	DieselExhPM	0.00295	6.8454e-07	1.33YrCancerDerived_Inh_FAH16to70	6.8454e-07
560155	4243007	DieselExhPM	0.00064	1.4851e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4851e-07
559974	4243274	DieselExhPM	0.02396	5.5599e-06	1.33YrCancerDerived_Inh_FAH16to70	5.5599e-06
559966	4243286	DieselExhPM	0.02409	5.59e-06	1.33YrCancerDerived_Inh_FAH16to70	5.59e-06
559859	4243487	DieselExhPM	0.0021	4.873e-07	1.33YrCancerDerived_Inh_FAH16to70	4.873e-07
560050	4242849	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559670	4243445	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559781	4243315	DieselExhPM	0.00847	1.9654e-06	1.33YrCancerDerived_Inh_FAH16to70	1.9654e-06
560127	4242923	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559669	4243159	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560183	4243093	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
560130	4243312	DieselExhPM	0.0041	9.5139e-07	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-07
559667	4242971	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559545	4243369	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559944	4242999	DieselExhPM	0.00156	3.6199e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6199e-07
560073	4242911	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
560154	4243440	DieselExhPM	0.00259	6.01e-07	1.33YrCancerDerived_Inh_FAH16to70	6.01e-07
560264	4243434	DieselExhPM	0.00128	2.9702e-07	1.33YrCancerDerived_Inh_FAH16to70	2.9702e-07
559874	4243472	DieselExhPM	0.00265	6.1493e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1493e-07
560127	4243411	DieselExhPM	0.00332	7.704e-07	1.33YrCancerDerived_Inh_FAH16to70	7.704e-07
560192	4243477	DieselExhPM	0.00191	4.4321e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4321e-07
560264	4243031	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559576	4243459	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559885	4243337	DieselExhPM	0.01165	2.7034e-06	1.33YrCancerDerived_Inh_FAH16to70	2.7034e-06
559547	4243449	DieselExhPM	0.00034	7.8896e-08	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-08
560233	4243285	DieselExhPM	0.00172	3.9912e-07	1.33YrCancerDerived_Inh_FAH16to70	3.9912e-07
559681	4243221	DieselExhPM	0.00389	9.0266e-07	1.33YrCancerDerived_Inh_FAH16to70	9.0266e-07

560060	4243278	DieselExhPM	0.00919	2.1325e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1325e-06
559759	4243481	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559723	4243468	DieselExhPM	0.00054	1.2531e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2531e-07
559804	4242928	DieselExhPM	0.00072	1.6707e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6707e-07
559669	4243362	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
559838	4243423	DieselExhPM	0.00319	7.4023e-07	1.33YrCancerDerived_Inh_FAH16to70	7.4023e-07
559481	4243378	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
560086	4243333	DieselExhPM	0.00574	1.332e-06	1.33YrCancerDerived_Inh_FAH16to70	1.332e-06
560123	4243031	DieselExhPM	0.00097	2.2509e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2509e-07
559909	4242991	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
559635	4243296	DieselExhPM	0.00193	4.4785e-07	1.33YrCancerDerived_Inh_FAH16to70	4.4785e-07
560083	4243183	DieselExhPM	0.00914	2.1209e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1209e-06
560026	4243274	DieselExhPM	0.01356	3.1466e-06	1.33YrCancerDerived_Inh_FAH16to70	3.1466e-06
559764	4243115	DieselExhPM	0.00267	6.1957e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1957e-07
560229	4242975	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559659	4242942	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559653	4243155	DieselExhPM	0.0015	3.4807e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4807e-07
560180	4242934	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559919	4243112	DieselExhPM	0.00611	1.4178e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4178e-06
559562	4243407	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
560066	4243258	DieselExhPM	0.00927	2.1511e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1511e-06
560104	4243028	DieselExhPM	0.00111	2.5757e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5757e-07
559715	4243508	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
560287	4243076	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
559594	4242939	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
560137	4243004	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560017	4243374	DieselExhPM	0.00807	1.8726e-06	1.33YrCancerDerived_Inh_FAH16to70	1.8726e-06
559852	4243427	DieselExhPM	0.0034	7.8896e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-07
560211	4242883	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
560064	4243350	DieselExhPM	0.00645	1.4967e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4967e-06
560175	4242876	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559572	4243408	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
560290	4242866	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
560191	4243015	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560042	4243249	DieselExhPM	0.01278	2.9656e-06	1.33YrCancerDerived_Inh_FAH16to70	2.9656e-06
560172	4243502	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
560036	4243316	DieselExhPM	0.00973	2.2578e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2578e-06
559534	4243443	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559611	4243173	DieselExhPM	0.00146	3.3879e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3879e-07
559590	4242980	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08

559483	4243212	DieselExhPM	0.00104	2.4133e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4133e-07
560019	4243286	DieselExhPM	0.0138	3.2023e-06	1.33YrCancerDerived_Inh_FAH16to70	3.2023e-06
559668	4243039	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
560094	4243465	DieselExhPM	0.00338	7.8432e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8432e-07
560165	4243089	DieselExhPM	0.0014	3.2487e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2487e-07
560069	4243193	DieselExhPM	0.01107	2.5688e-06	1.33YrCancerDerived_Inh_FAH16to70	2.5688e-06
560264	4243362	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
560264	4242983	DieselExhPM	0.00034	7.8896e-08	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-08
560271	4243330	DieselExhPM	0.00131	3.0398e-07	1.33YrCancerDerived_Inh_FAH16to70	3.0398e-07
560129	4243080	DieselExhPM	0.00176	4.084e-07	1.33YrCancerDerived_Inh_FAH16to70	4.084e-07
560165	4243526	DieselExhPM	0.002	4.6409e-07	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-07
560004	4243066	DieselExhPM	0.00423	9.8156e-07	1.33YrCancerDerived_Inh_FAH16to70	9.8156e-07
559679	4243501	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559530	4243123	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560146	4243374	DieselExhPM	0.00315	7.3095e-07	1.33YrCancerDerived_Inh_FAH16to70	7.3095e-07
559520	4243076	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
559595	4243423	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
559995	4242925	DieselExhPM	0.00093	2.158e-07	1.33YrCancerDerived_Inh_FAH16to70	2.158e-07
560074	4243557	DieselExhPM	0.0025	5.8012e-07	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-07
559718	4243283	DieselExhPM	0.00395	9.1659e-07	1.33YrCancerDerived_Inh_FAH16to70	9.1659e-07
559653	4242995	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
559999	4243405	DieselExhPM	0.00709	1.6452e-06	1.33YrCancerDerived_Inh_FAH16to70	1.6452e-06
560108	4243515	DieselExhPM	0.00266	6.1725e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1725e-07
559993	4243328	DieselExhPM	0.01362	3.1605e-06	1.33YrCancerDerived_Inh_FAH16to70	3.1605e-06
559935	4243047	DieselExhPM	0.00236	5.4763e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4763e-07
559811	4243484	DieselExhPM	0.00138	3.2023e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2023e-07
559846	4243520	DieselExhPM	0.00146	3.3879e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3879e-07
559622	4243303	DieselExhPM	0.00166	3.852e-07	1.33YrCancerDerived_Inh_FAH16to70	3.852e-07
560065	4243209	DieselExhPM	0.01132	2.6268e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6268e-06
560139	4242956	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
559560	4243141	DieselExhPM	0.00078	1.81e-07	1.33YrCancerDerived_Inh_FAH16to70	1.81e-07
559706	4243460	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559789	4243546	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559732	4243210	DieselExhPM	0.00648	1.5037e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5037e-06
559860	4243273	DieselExhPM	0.02145	4.9774e-06	1.33YrCancerDerived_Inh_FAH16to70	4.9774e-06
559847	4242968	DieselExhPM	0.00105	2.4365e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4365e-07
559874	4242873	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
560040	4242983	DieselExhPM	0.00128	2.9702e-07	1.33YrCancerDerived_Inh_FAH16to70	2.9702e-07
559506	4243222	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559666	4243304	DieselExhPM	0.00199	4.6177e-07	1.33YrCancerDerived_Inh_FAH16to70	4.6177e-07

559761	4243391	DieselExhPM	0.00173	4.0144e-07	1.33YrCancerDerived_Inh_FAH16to70	4.0144e-07
559950	4243314	DieselExhPM	0.02266	5.2582e-06	1.33YrCancerDerived_Inh_FAH16to70	5.2582e-06
559844	4243067	DieselExhPM	0.00252	5.8476e-07	1.33YrCancerDerived_Inh_FAH16to70	5.8476e-07
559606	4243085	DieselExhPM	0.00045	1.0442e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0442e-07
560037	4242904	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559797	4243425	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559694	4243047	DieselExhPM	0.00061	1.4155e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4155e-07
559494	4243351	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560091	4242915	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
559780	4242879	DieselExhPM	0.00052	1.2066e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2066e-07
560263	4243103	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560127	4243248	DieselExhPM	0.00471	1.0929e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0929e-06
559603	4243018	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559945	4242884	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559881	4243396	DieselExhPM	0.00549	1.2739e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2739e-06
560103	4242948	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559926	4242995	DieselExhPM	0.00147	3.4111e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4111e-07
559879	4243067	DieselExhPM	0.00279	6.4741e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4741e-07
560141	4243035	DieselExhPM	0.00089	2.0652e-07	1.33YrCancerDerived_Inh_FAH16to70	2.0652e-07
559575	4243359	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
559662	4243098	DieselExhPM	0.00071	1.6475e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6475e-07
560121	4242864	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559641	4242992	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559905	4242906	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07
559602	4243186	DieselExhPM	0.00161	3.736e-07	1.33YrCancerDerived_Inh_FAH16to70	3.736e-07
559558	4243376	DieselExhPM	0.00065	1.5083e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5083e-07
559540	4243070	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559595	4243157	DieselExhPM	0.0011	2.5525e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5525e-07
559607	4243400	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560201	4243286	DieselExhPM	0.00223	5.1747e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1747e-07
559610	4242913	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
559613	4243392	DieselExhPM	0.00061	1.4155e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4155e-07
559967	4243412	DieselExhPM	0.00713	1.6545e-06	1.33YrCancerDerived_Inh_FAH16to70	1.6545e-06
559489	4243172	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560094	4243083	DieselExhPM	0.00277	6.4277e-07	1.33YrCancerDerived_Inh_FAH16to70	6.4277e-07
559821	4243473	DieselExhPM	0.00168	3.8984e-07	1.33YrCancerDerived_Inh_FAH16to70	3.8984e-07
559572	4243491	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560213	4243444	DieselExhPM	0.00177	4.1072e-07	1.33YrCancerDerived_Inh_FAH16to70	4.1072e-07
560050	4243236	DieselExhPM	0.01229	2.8519e-06	1.33YrCancerDerived_Inh_FAH16to70	2.8519e-06
560049	4242937	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07

559653	4242898	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
560090	4243542	DieselExhPM	0.00256	5.9404e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9404e-07
559522	4243439	DieselExhPM	0.00036	8.3537e-08	1.33YrCancerDerived_Inh_FAH16to70	8.3537e-08
559589	4243498	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559506	4243141	DieselExhPM	0.00064	1.4851e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4851e-07
559477	4243424	DieselExhPM	0.00038	8.8178e-08	1.33YrCancerDerived_Inh_FAH16to70	8.8178e-08
559631	4243209	DieselExhPM	0.00236	5.4763e-07	1.33YrCancerDerived_Inh_FAH16to70	5.4763e-07
560091	4242858	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559640	4243195	DieselExhPM	0.00223	5.1747e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1747e-07
559621	4242961	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559961	4243374	DieselExhPM	0.01083	2.5131e-06	1.33YrCancerDerived_Inh_FAH16to70	2.5131e-06
559841	4243113	DieselExhPM	0.00472	1.0953e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0953e-06
560121	4242952	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
560082	4243478	DieselExhPM	0.00339	7.8664e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8664e-07
559833	4242891	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559550	4243027	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559800	4243501	DieselExhPM	0.00106	2.4597e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4597e-07
559911	4243362	DieselExhPM	0.01047	2.4295e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4295e-06
559899	4243069	DieselExhPM	0.00297	6.8918e-07	1.33YrCancerDerived_Inh_FAH16to70	6.8918e-07
559789	4242850	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
560101	4242998	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
560014	4243209	DieselExhPM	0.02032	4.7152e-06	1.33YrCancerDerived_Inh_FAH16to70	4.7152e-06
559686	4243164	DieselExhPM	0.00227	5.2675e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2675e-07
559971	4243360	DieselExhPM	0.01212	2.8124e-06	1.33YrCancerDerived_Inh_FAH16to70	2.8124e-06
559879	4242870	DieselExhPM	0.00066	1.5315e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5315e-07
559915	4242958	DieselExhPM	0.00113	2.6221e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6221e-07
560109	4242919	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559742	4243476	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559608	4243346	DieselExhPM	0.00098	2.2741e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2741e-07
559555	4243484	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560228	4242888	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560120	4243328	DieselExhPM	0.00432	1.0024e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0024e-06
559708	4243300	DieselExhPM	0.00272	6.3117e-07	1.33YrCancerDerived_Inh_FAH16to70	6.3117e-07
559624	4243089	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
560200	4243266	DieselExhPM	0.00225	5.2211e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2211e-07
559679	4243346	DieselExhPM	0.00122	2.831e-07	1.33YrCancerDerived_Inh_FAH16to70	2.831e-07
560190	4242845	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560056	4243523	DieselExhPM	0.00302	7.0078e-07	1.33YrCancerDerived_Inh_FAH16to70	7.0078e-07
559606	4243502	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
560175	4242964	DieselExhPM	0.00044	1.021e-07	1.33YrCancerDerived_Inh_FAH16to70	1.021e-07

560147	4243517	DieselExhPM	0.00222	5.1514e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1514e-07
560099	4243152	DieselExhPM	0.00642	1.4897e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4897e-06
560253	4243459	DieselExhPM	0.00135	3.1326e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1326e-07
560038	4243554	DieselExhPM	0.00266	6.1725e-07	1.33YrCancerDerived_Inh_FAH16to70	6.1725e-07
559616	4243156	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
559755	4243059	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
559679	4243270	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
559766	4242842	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560045	4243426	DieselExhPM	0.0051	1.1834e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-06
559647	4243034	DieselExhPM	0.00037	8.5857e-08	1.33YrCancerDerived_Inh_FAH16to70	8.5857e-08
559563	4243426	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559775	4243062	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
559807	4242859	DieselExhPM	0.00053	1.2299e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2299e-07
560286	4243333	DieselExhPM	0.00119	2.7614e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7614e-07
560284	4243450	DieselExhPM	0.00113	2.6221e-07	1.33YrCancerDerived_Inh_FAH16to70	2.6221e-07
560130	4243515	DieselExhPM	0.00242	5.6155e-07	1.33YrCancerDerived_Inh_FAH16to70	5.6155e-07
560146	4243254	DieselExhPM	0.00379	8.7946e-07	1.33YrCancerDerived_Inh_FAH16to70	8.7946e-07
559980	4243015	DieselExhPM	0.00197	4.5713e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5713e-07
559649	4242921	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
560251	4243289	DieselExhPM	0.0015	3.4807e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4807e-07
560289	4242957	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559932	4242962	DieselExhPM	0.00118	2.7382e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7382e-07
560156	4243358	DieselExhPM	0.003	6.9614e-07	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-07
560247	4242892	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08
559775	4243540	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559913	4243406	DieselExhPM	0.00623	1.4457e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4457e-06
559850	4242868	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560144	4242926	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
559513	4243341	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
559502	4243335	DieselExhPM	0.00081	1.8796e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8796e-07
560252	4243332	DieselExhPM	0.00148	3.4343e-07	1.33YrCancerDerived_Inh_FAH16to70	3.4343e-07
559851	4243387	DieselExhPM	0.00513	1.1904e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1904e-06
559523	4243361	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
560283	4242898	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559813	4243321	DieselExhPM	0.01125	2.6105e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6105e-06
559599	4243265	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559960	4242918	DieselExhPM	0.00091	2.1116e-07	1.33YrCancerDerived_Inh_FAH16to70	2.1116e-07
560108	4243134	DieselExhPM	0.00477	1.1069e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1069e-06
559634	4243149	DieselExhPM	0.00122	2.831e-07	1.33YrCancerDerived_Inh_FAH16to70	2.831e-07
560104	4243447	DieselExhPM	0.0034	7.8896e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8896e-07

560252	4242949	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560086	4243320	DieselExhPM	0.00601	1.3946e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3946e-06
560177	4243489	DieselExhPM	0.00204	4.7338e-07	1.33YrCancerDerived_Inh_FAH16to70	4.7338e-07
559594	4243201	DieselExhPM	0.00173	4.0144e-07	1.33YrCancerDerived_Inh_FAH16to70	4.0144e-07
559997	4243327	DieselExhPM	0.01317	3.0561e-06	1.33YrCancerDerived_Inh_FAH16to70	3.0561e-06
559901	4242875	DieselExhPM	0.00069	1.6011e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6011e-07
559998	4243235	DieselExhPM	0.02222	5.1561e-06	1.33YrCancerDerived_Inh_FAH16to70	5.1561e-06
559958	4243299	DieselExhPM	0.0238	5.5227e-06	1.33YrCancerDerived_Inh_FAH16to70	5.5227e-06
559861	4243065	DieselExhPM	0.0026	6.0332e-07	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-07
560042	4243015	DieselExhPM	0.0018	4.1769e-07	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-07
560166	4243260	DieselExhPM	0.00307	7.1239e-07	1.33YrCancerDerived_Inh_FAH16to70	7.1239e-07
559546	4242997	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
559748	4243531	DieselExhPM	0.00049	1.137e-07	1.33YrCancerDerived_Inh_FAH16to70	1.137e-07
559680	4242925	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
559659	4243377	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560067	4242941	DieselExhPM	0.00075	1.7404e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7404e-07
559624	4242916	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
560162	4242930	DieselExhPM	0.0004	9.2819e-08	1.33YrCancerDerived_Inh_FAH16to70	9.2819e-08
559952	4243388	DieselExhPM	0.00917	2.1279e-06	1.33YrCancerDerived_Inh_FAH16to70	2.1279e-06
559788	4243464	DieselExhPM	0.00124	2.8774e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8774e-07
559887	4242902	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
559986	4242972	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
560217	4242942	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559611	4242985	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559923	4242880	DieselExhPM	0.00072	1.6707e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6707e-07
559689	4243453	DieselExhPM	0.00046	1.0674e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0674e-07
560193	4242880	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559626	4243030	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560001	4242896	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559629	4242918	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559509	4243356	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559816	4243120	DieselExhPM	0.00462	1.0721e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0721e-06
559768	4243350	DieselExhPM	0.00355	8.2377e-07	1.33YrCancerDerived_Inh_FAH16to70	8.2377e-07
559729	4242966	DieselExhPM	0.00055	1.2763e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2763e-07
560282	4242987	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559724	4243553	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
559667	4243527	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559763	4243535	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
559670	4242924	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559775	4243456	DieselExhPM	0.00112	2.5989e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5989e-07

559632	4243356	DieselExhPM	0.00093	2.158e-07	1.33YrCancerDerived_Inh_FAH16to70	2.158e-07
560250	4242850	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
559740	4243109	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560006	4243222	DieselExhPM	0.02135	4.9542e-06	1.33YrCancerDerived_Inh_FAH16to70	4.9542e-06
559834	4242861	DieselExhPM	0.00058	1.3459e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3459e-07
559833	4243327	DieselExhPM	0.01134	2.6314e-06	1.33YrCancerDerived_Inh_FAH16to70	2.6314e-06
560270	4242953	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08
559950	4242965	DieselExhPM	0.00124	2.8774e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8774e-07
560166	4243342	DieselExhPM	0.00285	6.6133e-07	1.33YrCancerDerived_Inh_FAH16to70	6.6133e-07
559966	4243109	DieselExhPM	0.00661	1.5338e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5338e-06
560014	4242929	DieselExhPM	0.00091	2.1116e-07	1.33YrCancerDerived_Inh_FAH16to70	2.1116e-07
559653	4243215	DieselExhPM	0.00292	6.7758e-07	1.33YrCancerDerived_Inh_FAH16to70	6.7758e-07
559683	4243100	DieselExhPM	0.00086	1.9956e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9956e-07
559632	4242989	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559821	4243382	DieselExhPM	0.00445	1.0326e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0326e-06
559699	4243541	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560226	4242853	DieselExhPM	0.00023	5.3371e-08	1.33YrCancerDerived_Inh_FAH16to70	5.3371e-08
559621	4242987	DieselExhPM	0.00024	5.5691e-08	1.33YrCancerDerived_Inh_FAH16to70	5.5691e-08
560024	4243335	DieselExhPM	0.00973	2.2578e-06	1.33YrCancerDerived_Inh_FAH16to70	2.2578e-06
559777	4243408	DieselExhPM	0.00184	4.2697e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2697e-07
560032	4242933	DieselExhPM	0.00088	2.042e-07	1.33YrCancerDerived_Inh_FAH16to70	2.042e-07
559486	4243330	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
559966	4242889	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
560109	4243286	DieselExhPM	0.00535	1.2415e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2415e-06
559670	4242959	DieselExhPM	0.00032	7.4255e-08	1.33YrCancerDerived_Inh_FAH16to70	7.4255e-08
559650	4243392	DieselExhPM	0.00066	1.5315e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5315e-07
559722	4243369	DieselExhPM	0.00127	2.947e-07	1.33YrCancerDerived_Inh_FAH16to70	2.947e-07
559479	4243121	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
560088	4242945	DieselExhPM	0.00067	1.5547e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5547e-07
559885	4243342	DieselExhPM	0.01073	2.4899e-06	1.33YrCancerDerived_Inh_FAH16to70	2.4899e-06
559544	4243345	DieselExhPM	0.00084	1.9492e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9492e-07
559990	4243248	DieselExhPM	0.02289	5.3116e-06	1.33YrCancerDerived_Inh_FAH16to70	5.3116e-06
559634	4242919	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
560236	4243327	DieselExhPM	0.00166	3.852e-07	1.33YrCancerDerived_Inh_FAH16to70	3.852e-07
560058	4243223	DieselExhPM	0.01171	2.7173e-06	1.33YrCancerDerived_Inh_FAH16to70	2.7173e-06
559639	4243342	DieselExhPM	0.00111	2.5757e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5757e-07
559624	4243506	DieselExhPM	0.00026	6.0332e-08	1.33YrCancerDerived_Inh_FAH16to70	6.0332e-08
559918	4242883	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
559538	4243021	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559942	4243406	DieselExhPM	0.00724	1.68e-06	1.33YrCancerDerived_Inh_FAH16to70	1.68e-06

560078	4243026	DieselExhPM	0.00143	3.3183e-07	1.33YrCancerDerived_Inh_FAH16to70	3.3183e-07
560141	4243295	DieselExhPM	0.00384	8.9106e-07	1.33YrCancerDerived_Inh_FAH16to70	8.9106e-07
559647	4242940	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559923	4242910	DieselExhPM	0.00085	1.9724e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9724e-07
560218	4243101	DieselExhPM	0.00105	2.4365e-07	1.33YrCancerDerived_Inh_FAH16to70	2.4365e-07
559894	4243441	DieselExhPM	0.0039	9.0498e-07	1.33YrCancerDerived_Inh_FAH16to70	9.0498e-07
559974	4243084	DieselExhPM	0.00466	1.0813e-06	1.33YrCancerDerived_Inh_FAH16to70	1.0813e-06
559588	4243384	DieselExhPM	0.00063	1.4619e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4619e-07
559702	4243232	DieselExhPM	0.00495	1.1486e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1486e-06
559658	4243542	DieselExhPM	0.00025	5.8012e-08	1.33YrCancerDerived_Inh_FAH16to70	5.8012e-08
559816	4242887	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560063	4243047	DieselExhPM	0.00226	5.2443e-07	1.33YrCancerDerived_Inh_FAH16to70	5.2443e-07
559492	4243379	DieselExhPM	0.00056	1.2995e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2995e-07
559551	4243423	DieselExhPM	0.00042	9.746e-08	1.33YrCancerDerived_Inh_FAH16to70	9.746e-08
559712	4243048	DieselExhPM	0.00074	1.7171e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7171e-07
559592	4243367	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559664	4242983	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559538	4243419	DieselExhPM	0.00043	9.978e-08	1.33YrCancerDerived_Inh_FAH16to70	9.978e-08
560093	4243164	DieselExhPM	0.00756	1.7543e-06	1.33YrCancerDerived_Inh_FAH16to70	1.7543e-06
559728	4242950	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
559758	4243449	DieselExhPM	0.00095	2.2044e-07	1.33YrCancerDerived_Inh_FAH16to70	2.2044e-07
559970	4242838	DieselExhPM	0.00058	1.3459e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3459e-07
560278	4243094	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559601	4242982	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
559486	4243398	DieselExhPM	0.00047	1.0906e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0906e-07
559832	4243508	DieselExhPM	0.00141	3.2719e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2719e-07
560122	4243555	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07
559554	4243018	DieselExhPM	0.0002	4.6409e-08	1.33YrCancerDerived_Inh_FAH16to70	4.6409e-08
559917	4243043	DieselExhPM	0.00221	5.1282e-07	1.33YrCancerDerived_Inh_FAH16to70	5.1282e-07
559700	4243107	DieselExhPM	0.00109	2.5293e-07	1.33YrCancerDerived_Inh_FAH16to70	2.5293e-07
560065	4243075	DieselExhPM	0.00352	8.1681e-07	1.33YrCancerDerived_Inh_FAH16to70	8.1681e-07
560100	4243361	DieselExhPM	0.00465	1.079e-06	1.33YrCancerDerived_Inh_FAH16to70	1.079e-06
560166	4243422	DieselExhPM	0.00249	5.778e-07	1.33YrCancerDerived_Inh_FAH16to70	5.778e-07
559982	4243261	DieselExhPM	0.02355	5.4647e-06	1.33YrCancerDerived_Inh_FAH16to70	5.4647e-06
560115	4243430	DieselExhPM	0.00338	7.8432e-07	1.33YrCancerDerived_Inh_FAH16to70	7.8432e-07
560158	4243039	DieselExhPM	0.00082	1.9028e-07	1.33YrCancerDerived_Inh_FAH16to70	1.9028e-07
560302	4242902	DieselExhPM	0.00021	4.873e-08	1.33YrCancerDerived_Inh_FAH16to70	4.873e-08
560268	4243296	DieselExhPM	0.00134	3.1094e-07	1.33YrCancerDerived_Inh_FAH16to70	3.1094e-07
559588	4243431	DieselExhPM	0.00041	9.5139e-08	1.33YrCancerDerived_Inh_FAH16to70	9.5139e-08
560246	4242869	DieselExhPM	0.00023	5.3371e-08	1.33YrCancerDerived_Inh_FAH16to70	5.3371e-08

559632	4242939	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
560146	4242842	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
559866	4243112	DieselExhPM	0.00518	1.202e-06	1.33YrCancerDerived_Inh_FAH16to70	1.202e-06
559900	4243040	DieselExhPM	0.00208	4.8266e-07	1.33YrCancerDerived_Inh_FAH16to70	4.8266e-07
559613	4242914	DieselExhPM	0.00019	4.4089e-08	1.33YrCancerDerived_Inh_FAH16to70	4.4089e-08
559527	4243415	DieselExhPM	0.00044	1.021e-07	1.33YrCancerDerived_Inh_FAH16to70	1.021e-07
559649	4243332	DieselExhPM	0.00129	2.9934e-07	1.33YrCancerDerived_Inh_FAH16to70	2.9934e-07
559537	4243123	DieselExhPM	0.00057	1.3227e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3227e-07
559938	4242887	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
560179	4243448	DieselExhPM	0.00217	5.0354e-07	1.33YrCancerDerived_Inh_FAH16to70	5.0354e-07
559502	4243149	DieselExhPM	0.00068	1.5779e-07	1.33YrCancerDerived_Inh_FAH16to70	1.5779e-07
559686	4243419	DieselExhPM	0.00059	1.3691e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3691e-07
559560	4243455	DieselExhPM	0.00033	7.6576e-08	1.33YrCancerDerived_Inh_FAH16to70	7.6576e-08
559857	4242865	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
560173	4243011	DieselExhPM	0.0006	1.3923e-07	1.33YrCancerDerived_Inh_FAH16to70	1.3923e-07
559847	4243363	DieselExhPM	0.00678	1.5733e-06	1.33YrCancerDerived_Inh_FAH16to70	1.5733e-06
559812	4242856	DieselExhPM	0.00054	1.2531e-07	1.33YrCancerDerived_Inh_FAH16to70	1.2531e-07
559866	4243392	DieselExhPM	0.00528	1.2252e-06	1.33YrCancerDerived_Inh_FAH16to70	1.2252e-06
559664	4242901	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559518	4243118	DieselExhPM	0.0005	1.1602e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1602e-07
559763	4242938	DieselExhPM	0.00062	1.4387e-07	1.33YrCancerDerived_Inh_FAH16to70	1.4387e-07
559800	4243550	DieselExhPM	0.00076	1.7636e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7636e-07
559656	4243319	DieselExhPM	0.00157	3.6431e-07	1.33YrCancerDerived_Inh_FAH16to70	3.6431e-07
559510	4243073	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559543	4243064	DieselExhPM	0.00029	6.7294e-08	1.33YrCancerDerived_Inh_FAH16to70	6.7294e-08
559698	4243315	DieselExhPM	0.00201	4.6642e-07	1.33YrCancerDerived_Inh_FAH16to70	4.6642e-07
560235	4242946	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
559671	4242944	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560172	4242844	DieselExhPM	0.00027	6.2653e-08	1.33YrCancerDerived_Inh_FAH16to70	6.2653e-08
559892	4243112	DieselExhPM	0.00564	1.3087e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3087e-06
559481	4243347	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559652	4243300	DieselExhPM	0.00198	4.5945e-07	1.33YrCancerDerived_Inh_FAH16to70	4.5945e-07
559558	4242990	DieselExhPM	0.00017	3.9448e-08	1.33YrCancerDerived_Inh_FAH16to70	3.9448e-08
559924	4243073	DieselExhPM	0.00321	7.4487e-07	1.33YrCancerDerived_Inh_FAH16to70	7.4487e-07
559623	4243482	DieselExhPM	0.0003	6.9614e-08	1.33YrCancerDerived_Inh_FAH16to70	6.9614e-08
560194	4243046	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
560131	4243478	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559530	4243229	DieselExhPM	0.00139	3.2255e-07	1.33YrCancerDerived_Inh_FAH16to70	3.2255e-07
560119	4243000	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
559521	4243470	DieselExhPM	0.00028	6.4973e-08	1.33YrCancerDerived_Inh_FAH16to70	6.4973e-08

559732	4243352	DieselExhPM	0.00181	4.2001e-07	1.33YrCancerDerived_Inh_FAH16to70	4.2001e-07
560082	4243240	DieselExhPM	0.00815	1.8912e-06	1.33YrCancerDerived_Inh_FAH16to70	1.8912e-06
559772	4243487	DieselExhPM	0.00083	1.926e-07	1.33YrCancerDerived_Inh_FAH16to70	1.926e-07
559895	4242877	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
559789	4243120	DieselExhPM	0.00374	8.6786e-07	1.33YrCancerDerived_Inh_FAH16to70	8.6786e-07
559573	4243175	DieselExhPM	0.00121	2.8078e-07	1.33YrCancerDerived_Inh_FAH16to70	2.8078e-07
560246	4242979	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
560068	4242853	DieselExhPM	0.00046	1.0674e-07	1.33YrCancerDerived_Inh_FAH16to70	1.0674e-07
559785	4242851	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
559488	4243426	DieselExhPM	0.00038	8.8178e-08	1.33YrCancerDerived_Inh_FAH16to70	8.8178e-08
560027	4243065	DieselExhPM	0.00417	9.6764e-07	1.33YrCancerDerived_Inh_FAH16to70	9.6764e-07
559762	4242876	DieselExhPM	0.00048	1.1138e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1138e-07
559640	4243256	DieselExhPM	0.00288	6.683e-07	1.33YrCancerDerived_Inh_FAH16to70	6.683e-07
559625	4242950	DieselExhPM	0.00022	5.105e-08	1.33YrCancerDerived_Inh_FAH16to70	5.105e-08
559987	4243422	DieselExhPM	0.00642	1.4897e-06	1.33YrCancerDerived_Inh_FAH16to70	1.4897e-06
559560	4243003	DieselExhPM	0.00018	4.1769e-08	1.33YrCancerDerived_Inh_FAH16to70	4.1769e-08
559739	4243441	DieselExhPM	0.00079	1.8332e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8332e-07
560181	4243221	DieselExhPM	0.00256	5.9404e-07	1.33YrCancerDerived_Inh_FAH16to70	5.9404e-07
560296	4243060	DieselExhPM	0.00051	1.1834e-07	1.33YrCancerDerived_Inh_FAH16to70	1.1834e-07
560244	4243382	DieselExhPM	0.00151	3.5039e-07	1.33YrCancerDerived_Inh_FAH16to70	3.5039e-07
559497	4243157	DieselExhPM	0.00073	1.6939e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6939e-07
559644	4243486	DieselExhPM	0.00031	7.1935e-08	1.33YrCancerDerived_Inh_FAH16to70	7.1935e-08
560176	4243326	DieselExhPM	0.00268	6.2189e-07	1.33YrCancerDerived_Inh_FAH16to70	6.2189e-07
559492	4243165	DieselExhPM	0.00077	1.7868e-07	1.33YrCancerDerived_Inh_FAH16to70	1.7868e-07
560099	4243302	DieselExhPM	0.00567	1.3157e-06	1.33YrCancerDerived_Inh_FAH16to70	1.3157e-06
560199	4242938	DieselExhPM	0.00035	8.1217e-08	1.33YrCancerDerived_Inh_FAH16to70	8.1217e-08
560111	4243078	DieselExhPM	0.00205	4.757e-07	1.33YrCancerDerived_Inh_FAH16to70	4.757e-07
559901	4243422	DieselExhPM	0.00486	1.1277e-06	1.33YrCancerDerived_Inh_FAH16to70	1.1277e-06
559627	4243370	DieselExhPM	0.0008	1.8564e-07	1.33YrCancerDerived_Inh_FAH16to70	1.8564e-07
560187	4243309	DieselExhPM	0.00249	5.778e-07	1.33YrCancerDerived_Inh_FAH16to70	5.778e-07
559620	4243380	DieselExhPM	0.0007	1.6243e-07	1.33YrCancerDerived_Inh_FAH16to70	1.6243e-07
560285	4243301	DieselExhPM	0.0012	2.7846e-07	1.33YrCancerDerived_Inh_FAH16to70	2.7846e-07

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Exposure duration are only adjusted for cancer assessments

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

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

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 chronic risk

Chronic risk saved to: F:\Jobs\35520009\HARP\ResChronicAllReceptors_NCChronicRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 8:44:07 AM -
Chronic Risk - Input File: F:\Jobs\35520009\HARP\ResChronicAllReceptors_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
559786	4243494	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559571	4243381	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559566	4242976	DieselExhPM	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	3.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559511	4243435	DieselExhPM	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	7.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560032	4242845	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559795	4243066	DieselExhPM	0.00193	0.0	0.0	0.0	0.0	0.0	0.0	0.000386	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559722	4243434	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4242922	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559877	4242874	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559575	4243020	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559743	4243333	DieselExhPM	0.00292	0.0	0.0	0.0	0.0	0.0	0.0	0.000584	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559869	4242899	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560007	4243008	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560067	4243502	DieselExhPM	0.00324	0.0	0.0	0.0	0.0	0.0	0.0	0.000648	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559837	4243383	DieselExhPM	0.00497	0.0	0.0	0.0	0.0	0.0	0.0	0.000994	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560083	4243005	DieselExhPM	0.00109	0.0	0.0	0.0	0.0	0.0	0.0	0.000218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560022	4242979	DieselExhPM	0.00135	0.0	0.0	0.0	0.0	0.0	0.0	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560055	4242907	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559617	4243316	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560009	4243389	DieselExhPM	0.00766	0.0	0.0	0.0	0.0	0.0	0.0	0.001532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560034	4243262	DieselExhPM	0.01323	0.0	0.0	0.0	0.0	0.0	0.0	0.002646	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560206	4243383	DieselExhPM	0.00198	0.0	0.0	0.0	0.0	0.0	0.0	0.000396	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559831	4242864	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560156	4242960	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560002	4243314	DieselExhPM	0.01389	0.0	0.0	0.0	0.0	0.0	0.0	0.002778	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559504	4243463	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560143	4243459	DieselExhPM	0.00264	0.0	0.0	0.0	0.0	0.0	0.0	0.000528	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559680	4242898	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560230	4243054	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560120	4243497	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559805	4243413	DieselExhPM	0.00257	0.0	0.0	0.0	0.0	0.0	0.0	0.000514	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560112	4243546	DieselExhPM	0.00235	0.0	0.0	0.0	0.0	0.0	0.0	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559862	4243464	DieselExhPM	0.0026	0.0	0.0	0.0	0.0	0.0	0.0	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560236	4243399	DieselExhPM	0.00158	0.0	0.0	0.0	0.0	0.0	0.0	0.000316	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559643	4243093	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559745	4242872	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560208	4242849	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560110	4243344	DieselExhPM	0.0045	0.0	0.0	0.0	0.0	0.0	0.0	0.0009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559567	4243075	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560022	4243196	DieselExhPM	0.01945	0.0	0.0	0.0	0.0	0.0	0.0	0.00389	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560237	4243105	DieselExhPM	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559582	4243444	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559760	4243309	DieselExhPM	0.00652	0.0	0.0	0.0	0.0	0.0	0.0	0.001304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559860	4243332	DieselExhPM	0.01052	0.0	0.0	0.0	0.0	0.0	0.0	0.002104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243477	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559527	4243344	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559565	4243357	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560060	4242993	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559704	4243427	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559722	4243108	DieselExhPM	0.00142	0.0	0.0	0.0	0.0	0.0	0.0	0.000284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559585	4243295	DieselExhPM	0.00153	0.0	0.0	0.0	0.0	0.0	0.0	0.000306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559941	4242914	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559554	4243238	DieselExhPM	0.00161	0.0	0.0	0.0	0.0	0.0	0.0	0.000322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559618	4242915	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559988	4243059	DieselExhPM	0.00344	0.0	0.0	0.0	0.0	0.0	0.0	0.000688	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559666	4243196	DieselExhPM	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.000558	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559984	4242997	DieselExhPM	0.00167	0.0	0.0	0.0	0.0	0.0	0.0	0.000334	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559742	4243384	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559798	4242883	DieselExhPM	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.000114	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4242860	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559607	4243464	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559712	4243384	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560176	4243043	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560244	4243026	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4243500	DieselExhPM	0.00179	0.0	0.0	0.0	0.0	0.0	0.0	0.000358	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559733	4243055	DieselExhPM	0.00098	0.0	0.0	0.0	0.0	0.0	0.0	0.000196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560227	4243023	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559834	4242934	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559630	4243424	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559548	4243401	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559695	4243504	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559601	4243411	DieselExhPM	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560139	4242868	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4242895	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560193	4242967	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560151	4243222	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559488	4243456	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560027	4243013	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560249	4243058	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559687	4243326	DieselExhPM	0.00163	0.0	0.0	0.0	0.0	0.0	0.0	0.000326	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560004	4242976	DieselExhPM	0.00137	0.0	0.0	0.0	0.0	0.0	0.0	0.000274	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559731	4243528	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560196	4243350	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559614	4243330	DieselExhPM	0.00119	0.0	0.0	0.0	0.0	0.0	0.0	0.000238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559514	4243074	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243032	DieselExhPM	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559501	4243433	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559620	4243440	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560010	4243300	DieselExhPM	0.01395	0.0	0.0	0.0	0.0	0.0	0.0	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559587	4243080	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560211	4242971	DieselExhPM	0.00039	0.0	0.0	0.0	0.0	0.0	0.0	7.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4242840	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559511	4243134	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560245	4243370	DieselExhPM	0.00152	0.0	0.0	0.0	0.0	0.0	0.0	0.000304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559578	4242978	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560158	4242872	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559680	4242903	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559970	4243055	DieselExhPM	0.00289	0.0	0.0	0.0	0.0	0.0	0.0	0.000578	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560030	4243183	DieselExhPM	0.01859	0.0	0.0	0.0	0.0	0.0	0.0	0.003718	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559514	4243409	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559535	4243396	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560048	4243297	DieselExhPM	0.00954	0.0	0.0	0.0	0.0	0.0	0.0	0.001908	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560015	4242841	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559814	4243062	DieselExhPM	0.00206	0.0	0.0	0.0	0.0	0.0	0.0	0.000412	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560020	4242900	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559881	4243433	DieselExhPM	0.00386	0.0	0.0	0.0	0.0	0.0	0.0	0.000772	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560147	4243085	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560200	4243097	DieselExhPM	0.00115	0.0	0.0	0.0	0.0	0.0	0.0	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559787	4243303	DieselExhPM	0.01163	0.0	0.0	0.0	0.0	0.0	0.0	0.002326	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559640	4243408	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560209	4243019	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560212	4243050	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559655	4243269	DieselExhPM	0.00295	0.0	0.0	0.0	0.0	0.0	0.0	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560155	4243007	DieselExhPM	0.00064	0.0	0.0	0.0	0.0	0.0	0.0	0.000128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559974	4243274	DieselExhPM	0.02396	0.0	0.0	0.0	0.0	0.0	0.0	0.004792	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4243286	DieselExhPM	0.02409	0.0	0.0	0.0	0.0	0.0	0.0	0.004818	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559859	4243487	DieselExhPM	0.0021	0.0	0.0	0.0	0.0	0.0	0.0	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560050	4242849	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4243445	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559781	4243315	DieselExhPM	0.00847	0.0	0.0	0.0	0.0	0.0	0.0	0.001694	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4242923	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559669	4243159	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560183	4243093	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560130	4243312	DieselExhPM	0.0041	0.0	0.0	0.0	0.0	0.0	0.0	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559667	4242971	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559545	4243369	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559944	4242999	DieselExhPM	0.00156	0.0	0.0	0.0	0.0	0.0	0.0	0.000312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560073	4242911	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560154	4243440	DieselExhPM	0.00259	0.0	0.0	0.0	0.0	0.0	0.0	0.000518	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559874	4243472	DieselExhPM	0.00265	0.0	0.0	0.0	0.0	0.0	0.0	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4243411	DieselExhPM	0.00332	0.0	0.0	0.0	0.0	0.0	0.0	0.000664	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560192	4243477	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4243031	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559576	4243459	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559885	4243337	DieselExhPM	0.01165	0.0	0.0	0.0	0.0	0.0	0.0	0.00233	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559547	4243449	DieselExhPM	0.00034	0.0	0.0	0.0	0.0	0.0	0.0	6.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560233	4243285	DieselExhPM	0.00172	0.0	0.0	0.0	0.0	0.0	0.0	0.000344	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559681	4243221	DieselExhPM	0.00389	0.0	0.0	0.0	0.0	0.0	0.0	0.000778	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560060	4243278	DieselExhPM	0.00919	0.0	0.0	0.0	0.0	0.0	0.0	0.001838	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559759	4243481	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559723	4243468	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559804	4242928	DieselExhPM	0.00072	0.0	0.0	0.0	0.0	0.0	0.0	0.000144	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559669	4243362	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559838	4243423	DieselExhPM	0.00319	0.0	0.0	0.0	0.0	0.0	0.0	0.000638	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559481	4243378	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560086	4243333	DieselExhPM	0.00574	0.0	0.0	0.0	0.0	0.0	0.0	0.001148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560123	4243031	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559909	4242991	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559635	4243296	DieselExhPM	0.00193	0.0	0.0	0.0	0.0	0.0	0.0	0.000386	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560083	4243183	DieselExhPM	0.00914	0.0	0.0	0.0	0.0	0.0	0.0	0.001828	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560026	4243274	DieselExhPM	0.01356	0.0	0.0	0.0	0.0	0.0	0.0	0.002712	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559764	4243115	DieselExhPM	0.00267	0.0	0.0	0.0	0.0	0.0	0.0	0.000534	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560229	4242975	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4242942	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4243155	DieselExhPM	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560180	4242934	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559919	4243112	DieselExhPM	0.00611	0.0	0.0	0.0	0.0	0.0	0.0	0.001222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559562	4243407	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560066	4243258	DieselExhPM	0.00927	0.0	0.0	0.0	0.0	0.0	0.0	0.001854	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4243028	DieselExhPM	0.00111	0.0	0.0	0.0	0.0	0.0	0.0	0.000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559715	4243508	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560287	4243076	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559594	4242939	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560137	4243004	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560017	4243374	DieselExhPM	0.00807	0.0	0.0	0.0	0.0	0.0	0.0	0.001614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559852	4243427	DieselExhPM	0.0034	0.0	0.0	0.0	0.0	0.0	0.0	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560211	4242883	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560064	4243350	DieselExhPM	0.00645	0.0	0.0	0.0	0.0	0.0	0.0	0.00129	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560175	4242876	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559572	4243408	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560290	4242866	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560191	4243015	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243249	DieselExhPM	0.01278	0.0	0.0	0.0	0.0	0.0	0.0	0.002556	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560172	4243502	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560036	4243316	DieselExhPM	0.00973	0.0	0.0	0.0	0.0	0.0	0.0	0.001946	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559534	4243443	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559611	4243173	DieselExhPM	0.00146	0.0	0.0	0.0	0.0	0.0	0.0	0.000292	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559590	4242980	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559483	4243212	DieselExhPM	0.00104	0.0	0.0	0.0	0.0	0.0	0.0	0.000208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560019	4243286	DieselExhPM	0.0138	0.0	0.0	0.0	0.0	0.0	0.0	0.00276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559668	4243039	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560094	4243465	DieselExhPM	0.00338	0.0	0.0	0.0	0.0	0.0	0.0	0.000676	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560165	4243089	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560069	4243193	DieselExhPM	0.01107	0.0	0.0	0.0	0.0	0.0	0.0	0.002214	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4242983	DieselExhPM	0.00034	0.0	0.0	0.0	0.0	0.0	0.0	6.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560271	4243330	DieselExhPM	0.00131	0.0	0.0	0.0	0.0	0.0	0.0	0.000262	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560129	4243080	DieselExhPM	0.00176	0.0	0.0	0.0	0.0	0.0	0.0	0.000352	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560004	4243066	DieselExhPM	0.00423	0.0	0.0	0.0	0.0	0.0	0.0	0.000846	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243501	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559530	4243123	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4243374	DieselExhPM	0.00315	0.0	0.0	0.0	0.0	0.0	0.0	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559520	4243076	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559595	4243423	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559995	4242925	DieselExhPM	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.000186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560074	4243557	DieselExhPM	0.0025	0.0	0.0	0.0	0.0	0.0	0.0	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559718	4243283	DieselExhPM	0.00395	0.0	0.0	0.0	0.0	0.0	0.0	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4242995	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559999	4243405	DieselExhPM	0.00709	0.0	0.0	0.0	0.0	0.0	0.0	0.001418	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560108	4243515	DieselExhPM	0.00266	0.0	0.0	0.0	0.0	0.0	0.0	0.000532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559993	4243328	DieselExhPM	0.01362	0.0	0.0	0.0	0.0	0.0	0.0	0.002724	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559935	4243047	DieselExhPM	0.00236	0.0	0.0	0.0	0.0	0.0	0.0	0.000472	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559811	4243484	DieselExhPM	0.00138	0.0	0.0	0.0	0.0	0.0	0.0	0.000276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559846	4243520	DieselExhPM	0.00146	0.0	0.0	0.0	0.0	0.0	0.0	0.000292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559622	4243303	DieselExhPM	0.00166	0.0	0.0	0.0	0.0	0.0	0.0	0.000332	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560065	4243209	DieselExhPM	0.01132	0.0	0.0	0.0	0.0	0.0	0.0	0.002264	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560139	4242956	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243141	DieselExhPM	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.000156	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559706	4243460	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4243546	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559732	4243210	DieselExhPM	0.00648	0.0	0.0	0.0	0.0	0.0	0.0	0.001296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559860	4243273	DieselExhPM	0.02145	0.0	0.0	0.0	0.0	0.0	0.0	0.00429	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559847	4242968	DieselExhPM	0.00105	0.0	0.0	0.0	0.0	0.0	0.0	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560040	4242983	DieselExhPM	0.00128	0.0	0.0	0.0	0.0	0.0	0.0	0.000256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559506	4243222	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559666	4243304	DieselExhPM	0.00199	0.0	0.0	0.0	0.0	0.0	0.0	0.000398	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559761	4243391	DieselExhPM	0.00173	0.0	0.0	0.0	0.0	0.0	0.0	0.000346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559950	4243314	DieselExhPM	0.02266	0.0	0.0	0.0	0.0	0.0	0.0	0.004532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559844	4243067	DieselExhPM	0.00252	0.0	0.0	0.0	0.0	0.0	0.0	0.000504	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559606	4243085	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560037	4242904	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559797	4243425	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559694	4243047	DieselExhPM	0.00061	0.0	0.0	0.0	0.0	0.0	0.0	0.000122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559494	4243351	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560091	4242915	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559780	4242879	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560263	4243103	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4243248	DieselExhPM	0.00471	0.0	0.0	0.0	0.0	0.0	0.0	0.000942	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559603	4243018	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559945	4242884	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559881	4243396	DieselExhPM	0.00549	0.0	0.0	0.0	0.0	0.0	0.0	0.001098	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560103	4242948	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559926	4242995	DieselExhPM	0.00147	0.0	0.0	0.0	0.0	0.0	0.0	0.000294	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559879	4243067	DieselExhPM	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.000558	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560141	4243035	DieselExhPM	0.00089	0.0	0.0	0.0	0.0	0.0	0.0	0.000178	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559575	4243359	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559662	4243098	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560121	4242864	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559641	4242992	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559905	4242906	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559602	4243186	DieselExhPM	0.00161	0.0	0.0	0.0	0.0	0.0	0.0	0.000322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559558	4243376	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559540	4243070	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559595	4243157	DieselExhPM	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559607	4243400	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560201	4243286	DieselExhPM	0.00223	0.0	0.0	0.0	0.0	0.0	0.0	0.000446	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559610	4242913	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559613	4243392	DieselExhPM	0.00061	0.0	0.0	0.0	0.0	0.0	0.0	0.000122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559967	4243412	DieselExhPM	0.00713	0.0	0.0	0.0	0.0	0.0	0.0	0.001426	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559489	4243172	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560094	4243083	DieselExhPM	0.00277	0.0	0.0	0.0	0.0	0.0	0.0	0.000554	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559821	4243473	DieselExhPM	0.00168	0.0	0.0	0.0	0.0	0.0	0.0	0.000336	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559572	4243491	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560050	4243236	DieselExhPM	0.01229	0.0	0.0	0.0	0.0	0.0	0.0	0.002458	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560049	4242937	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4242898	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560090	4243542	DieselExhPM	0.00256	0.0	0.0	0.0	0.0	0.0	0.0	0.000512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559522	4243439	DieselExhPM	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	7.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559589	4243498	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559506	4243141	DieselExhPM	0.00064	0.0	0.0	0.0	0.0	0.0	0.0	0.000128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559477	4243424	DieselExhPM	0.00038	0.0	0.0	0.0	0.0	0.0	0.0	7.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559631	4243209	DieselExhPM	0.00236	0.0	0.0	0.0	0.0	0.0	0.0	0.000472	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560091	4242858	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559640	4243195	DieselExhPM	0.00223	0.0	0.0	0.0	0.0	0.0	0.0	0.000446	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559621	4242961	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559961	4243374	DieselExhPM	0.01083	0.0	0.0	0.0	0.0	0.0	0.0	0.002166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559841	4243113	DieselExhPM	0.00472	0.0	0.0	0.0	0.0	0.0	0.0	0.000944	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560121	4242952	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560082	4243478	DieselExhPM	0.00339	0.0	0.0	0.0	0.0	0.0	0.0	0.000678	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559833	4242891	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559550	4243027	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559800	4243501	DieselExhPM	0.00106	0.0	0.0	0.0	0.0	0.0	0.0	0.000212	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559911	4243362	DieselExhPM	0.01047	0.0	0.0	0.0	0.0	0.0	0.0	0.002094	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559899	4243069	DieselExhPM	0.00297	0.0	0.0	0.0	0.0	0.0	0.0	0.000594	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4242850	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560101	4242998	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560014	4243209	DieselExhPM	0.02032	0.0	0.0	0.0	0.0	0.0	0.0	0.004064	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559686	4243164	DieselExhPM	0.00227	0.0	0.0	0.0	0.0	0.0	0.0	0.000454	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559971	4243360	DieselExhPM	0.01212	0.0	0.0	0.0	0.0	0.0	0.0	0.002424	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559879	4242870	DieselExhPM	0.00066	0.0	0.0	0.0	0.0	0.0	0.0	0.000132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559915	4242958	DieselExhPM	0.00113	0.0	0.0	0.0	0.0	0.0	0.0	0.000226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560109	4242919	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559742	4243476	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559608	4243346	DieselExhPM	0.00098	0.0	0.0	0.0	0.0	0.0	0.0	0.000196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559555	4243484	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560228	4242888	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560120	4243328	DieselExhPM	0.00432	0.0	0.0	0.0	0.0	0.0	0.0	0.000864	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559708	4243300	DieselExhPM	0.00272	0.0	0.0	0.0	0.0	0.0	0.0	0.000544	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4243089	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560200	4243266	DieselExhPM	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243346	DieselExhPM	0.00122	0.0	0.0	0.0	0.0	0.0	0.0	0.000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560190	4242845	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560056	4243523	DieselExhPM	0.00302	0.0	0.0	0.0	0.0	0.0	0.0	0.000604	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559606	4243502	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560175	4242964	DieselExhPM	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	8.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560147	4243517	DieselExhPM	0.00222	0.0	0.0	0.0	0.0	0.0	0.0	0.000444	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560099	4243152	DieselExhPM	0.00642	0.0	0.0	0.0	0.0	0.0	0.0	0.001284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560038	4243554	DieselExhPM	0.00266	0.0	0.0	0.0	0.0	0.0	0.0	0.000532	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559616	4243156	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559755	4243059	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243270	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559766	4242842	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560045	4243426	DieselExhPM	0.0051	0.0	0.0	0.0	0.0	0.0	0.0	0.00102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559647	4243034	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559563	4243426	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243062	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559807	4242859	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560286	4243333	DieselExhPM	0.00119	0.0	0.0	0.0	0.0	0.0	0.0	0.000238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560130	4243515	DieselExhPM	0.00242	0.0	0.0	0.0	0.0	0.0	0.0	0.000484	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4243254	DieselExhPM	0.00379	0.0	0.0	0.0	0.0	0.0	0.0	0.000758	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559980	4243015	DieselExhPM	0.00197	0.0	0.0	0.0	0.0	0.0	0.0	0.000394	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559649	4242921	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560251	4243289	DieselExhPM	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560289	4242957	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559932	4242962	DieselExhPM	0.00118	0.0	0.0	0.0	0.0	0.0	0.0	0.000236	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560156	4243358	DieselExhPM	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560247	4242892	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243540	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559913	4243406	DieselExhPM	0.00623	0.0	0.0	0.0	0.0	0.0	0.0	0.001246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559850	4242868	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560144	4242926	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559513	4243341	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559502	4243335	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560252	4243332	DieselExhPM	0.00148	0.0	0.0	0.0	0.0	0.0	0.0	0.000296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4243387	DieselExhPM	0.00513	0.0	0.0	0.0	0.0	0.0	0.0	0.001026	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559523	4243361	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560283	4242898	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559813	4243321	DieselExhPM	0.01125	0.0	0.0	0.0	0.0	0.0	0.0	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559599	4243265	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559960	4242918	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560108	4243134	DieselExhPM	0.00477	0.0	0.0	0.0	0.0	0.0	0.0	0.000954	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559634	4243149	DieselExhPM	0.00122	0.0	0.0	0.0	0.0	0.0	0.0	0.000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4243447	DieselExhPM	0.0034	0.0	0.0	0.0	0.0	0.0	0.0	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560252	4242949	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560086	4243320	DieselExhPM	0.00601	0.0	0.0	0.0	0.0	0.0	0.0	0.001202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560177	4243489	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559594	4243201	DieselExhPM	0.00173	0.0	0.0	0.0	0.0	0.0	0.0	0.000346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559997	4243327	DieselExhPM	0.01317	0.0	0.0	0.0	0.0	0.0	0.0	0.002634	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559901	4242875	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559998	4243235	DieselExhPM	0.02222	0.0	0.0	0.0	0.0	0.0	0.0	0.004444	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559958	4243299	DieselExhPM	0.0238	0.0	0.0	0.0	0.0	0.0	0.0	0.00476	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559861	4243065	DieselExhPM	0.0026	0.0	0.0	0.0	0.0	0.0	0.0	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243015	DieselExhPM	0.0018	0.0	0.0	0.0	0.0	0.0	0.0	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560166	4243260	DieselExhPM	0.00307	0.0	0.0	0.0	0.0	0.0	0.0	0.000614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559546	4242997	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559748	4243531	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559680	4242925	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4243377	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560067	4242941	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4242916	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560162	4242930	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559952	4243388	DieselExhPM	0.00917	0.0	0.0	0.0	0.0	0.0	0.0	0.001834	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559788	4243464	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559887	4242902	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559986	4242972	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560217	4242942	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559611	4242985	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559923	4242880	DieselExhPM	0.00072	0.0	0.0	0.0	0.0	0.0	0.0	0.000144	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559689	4243453	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560193	4242880	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559626	4243030	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560001	4242896	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559629	4242918	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559509	4243356	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559816	4243120	DieselExhPM	0.00462	0.0	0.0	0.0	0.0	0.0	0.0	0.000924	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559768	4243350	DieselExhPM	0.00355	0.0	0.0	0.0	0.0	0.0	0.0	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559729	4242966	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560282	4242987	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559724	4243553	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559667	4243527	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4243535	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4242924	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243456	DieselExhPM	0.00112	0.0	0.0	0.0	0.0	0.0	0.0	0.000224	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559632	4243356	DieselExhPM	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.000186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560250	4242850	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559740	4243109	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560006	4243222	DieselExhPM	0.02135	0.0	0.0	0.0	0.0	0.0	0.0	0.00427	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559834	4242861	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559833	4243327	DieselExhPM	0.01134	0.0	0.0	0.0	0.0	0.0	0.0	0.002268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560270	4242953	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559950	4242965	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560166	4243342	DieselExhPM	0.00285	0.0	0.0	0.0	0.0	0.0	0.0	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4243109	DieselExhPM	0.00661	0.0	0.0	0.0	0.0	0.0	0.0	0.001322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560014	4242929	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4243215	DieselExhPM	0.00292	0.0	0.0	0.0	0.0	0.0	0.0	0.000584	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559683	4243100	DieselExhPM	0.00086	0.0	0.0	0.0	0.0	0.0	0.0	0.000172	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559632	4242989	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559821	4243382	DieselExhPM	0.00445	0.0	0.0	0.0	0.0	0.0	0.0	0.00089	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559699	4243541	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560226	4242853	DieselExhPM	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	4.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559621	4242987	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560024	4243335	DieselExhPM	0.00973	0.0	0.0	0.0	0.0	0.0	0.0	0.001946	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559777	4243408	DieselExhPM	0.00184	0.0	0.0	0.0	0.0	0.0	0.0	0.000368	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560032	4242933	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559486	4243330	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4242889	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560109	4243286	DieselExhPM	0.00535	0.0	0.0	0.0	0.0	0.0	0.0	0.00107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4242959	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559650	4243392	DieselExhPM	0.00066	0.0	0.0	0.0	0.0	0.0	0.0	0.000132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559722	4243369	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559479	4243121	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560088	4242945	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559885	4243342	DieselExhPM	0.01073	0.0	0.0	0.0	0.0	0.0	0.0	0.002146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559544	4243345	DieselExhPM	0.00084	0.0	0.0	0.0	0.0	0.0	0.0	0.000168	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559990	4243248	DieselExhPM	0.02289	0.0	0.0	0.0	0.0	0.0	0.0	0.004578	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559634	4242919	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560236	4243327	DieselExhPM	0.00166	0.0	0.0	0.0	0.0	0.0	0.0	0.000332	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560058	4243223	DieselExhPM	0.01171	0.0	0.0	0.0	0.0	0.0	0.0	0.002342	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559639	4243342	DieselExhPM	0.00111	0.0	0.0	0.0	0.0	0.0	0.0	0.000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4243506	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243021	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559942	4243406	DieselExhPM	0.00724	0.0	0.0	0.0	0.0	0.0	0.0	0.001448	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560078	4243026	DieselExhPM	0.00143	0.0	0.0	0.0	0.0	0.0	0.0	0.000286	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560141	4243295	DieselExhPM	0.00384	0.0	0.0	0.0	0.0	0.0	0.0	0.000768	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559647	4242940	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559923	4242910	DieselExhPM	0.00085	0.0	0.0	0.0	0.0	0.0	0.0	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560218	4243101	DieselExhPM	0.00105	0.0	0.0	0.0	0.0	0.0	0.0	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559894	4243441	DieselExhPM	0.0039	0.0	0.0	0.0	0.0	0.0	0.0	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559974	4243084	DieselExhPM	0.00466	0.0	0.0	0.0	0.0	0.0	0.0	0.000932	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559588	4243384	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559702	4243232	DieselExhPM	0.00495	0.0	0.0	0.0	0.0	0.0	0.0	0.00099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559658	4243542	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559816	4242887	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560063	4243047	DieselExhPM	0.00226	0.0	0.0	0.0	0.0	0.0	0.0	0.000452	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559492	4243379	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559551	4243423	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559712	4243048	DieselExhPM	0.00074	0.0	0.0	0.0	0.0	0.0	0.0	0.000148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559592	4243367	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559664	4242983	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243419	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560093	4243164	DieselExhPM	0.00756	0.0	0.0	0.0	0.0	0.0	0.0	0.001512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559758	4243449	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559970	4242838	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560278	4243094	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559601	4242982	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559486	4243398	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559832	4243508	DieselExhPM	0.00141	0.0	0.0	0.0	0.0	0.0	0.0	0.000282	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560122	4243555	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559554	4243018	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559917	4243043	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559700	4243107	DieselExhPM	0.00109	0.0	0.0	0.0	0.0	0.0	0.0	0.000218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560065	4243075	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560100	4243361	DieselExhPM	0.00465	0.0	0.0	0.0	0.0	0.0	0.0	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560166	4243422	DieselExhPM	0.00249	0.0	0.0	0.0	0.0	0.0	0.0	0.000498	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559982	4243261	DieselExhPM	0.02355	0.0	0.0	0.0	0.0	0.0	0.0	0.00471	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560115	4243430	DieselExhPM	0.00338	0.0	0.0	0.0	0.0	0.0	0.0	0.000676	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560158	4243039	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560302	4242902	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560268	4243296	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559588	4243431	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560246	4242869	DieselExhPM	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	4.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559632	4242939	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4242842	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559866	4243112	DieselExhPM	0.00518	0.0	0.0	0.0	0.0	0.0	0.0	0.001036	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559900	4243040	DieselExhPM	0.00208	0.0	0.0	0.0	0.0	0.0	0.0	0.000416	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559613	4242914	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559527	4243415	DieselExhPM	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	8.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559649	4243332	DieselExhPM	0.00129	0.0	0.0	0.0	0.0	0.0	0.0	0.000258	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559537	4243123	DieselExhPM	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.000114	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559938	4242887	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560179	4243448	DieselExhPM	0.00217	0.0	0.0	0.0	0.0	0.0	0.0	0.000434	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559502	4243149	DieselExhPM	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.000136	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559686	4243419	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243455	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559857	4242865	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560173	4243011	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559847	4243363	DieselExhPM	0.00678	0.0	0.0	0.0	0.0	0.0	0.0	0.001356	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559812	4242856	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559866	4243392	DieselExhPM	0.00528	0.0	0.0	0.0	0.0	0.0	0.0	0.001056	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559664	4242901	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559518	4243118	DieselExhPM	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4242938	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559800	4243550	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559656	4243319	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559510	4243073	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559543	4243064	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559698	4243315	DieselExhPM	0.00201	0.0	0.0	0.0	0.0	0.0	0.0	0.000402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560235	4242946	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559671	4242944	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560172	4242844	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559892	4243112	DieselExhPM	0.00564	0.0	0.0	0.0	0.0	0.0	0.0	0.001128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559481	4243347	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559652	4243300	DieselExhPM	0.00198	0.0	0.0	0.0	0.0	0.0	0.0	0.000396	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559558	4242990	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559924	4243073	DieselExhPM	0.00321	0.0	0.0	0.0	0.0	0.0	0.0	0.000642	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559623	4243482	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560194	4243046	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560131	4243478	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559530	4243229	DieselExhPM	0.00139	0.0	0.0	0.0	0.0	0.0	0.0	0.000278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560119	4243000	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559521	4243470	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559732	4243352	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560082	4243240	DieselExhPM	0.00815	0.0	0.0	0.0	0.0	0.0	0.0	0.00163	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559772	4243487	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559895	4242877	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4243120	DieselExhPM	0.00374	0.0	0.0	0.0	0.0	0.0	0.0	0.000748	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559573	4243175	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560246	4242979	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560068	4242853	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559785	4242851	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559488	4243426	DieselExhPM	0.00038	0.0	0.0	0.0	0.0	0.0	0.0	7.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560027	4243065	DieselExhPM	0.00417	0.0	0.0	0.0	0.0	0.0	0.0	0.000834	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559762	4242876	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559640	4243256	DieselExhPM	0.00288	0.0	0.0	0.0	0.0	0.0	0.0	0.000576	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559625	4242950	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559987	4243422	DieselExhPM	0.00642	0.0	0.0	0.0	0.0	0.0	0.0	0.001284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243003	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559739	4243441	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560181	4243221	DieselExhPM	0.00256	0.0	0.0	0.0	0.0	0.0	0.0	0.000512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560296	4243060	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560244	4243382	DieselExhPM	0.00151	0.0	0.0	0.0	0.0	0.0	0.0	0.000302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559497	4243157	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559644	4243486	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560176	4243326	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559492	4243165	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560099	4243302	DieselExhPM	0.00567	0.0	0.0	0.0	0.0	0.0	0.0	0.001134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560199	4242938	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560111	4243078	DieselExhPM	0.00205	0.0	0.0	0.0	0.0	0.0	0.0	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559901	4243422	DieselExhPM	0.00486	0.0	0.0	0.0	0.0	0.0	0.0	0.000972	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559627	4243370	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560187	4243309	DieselExhPM	0.00249	0.0	0.0	0.0	0.0	0.0	0.0	0.000498	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559620	4243380	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560285	4243301	DieselExhPM	0.0012	0.0	0.0	0.0	0.0	0.0	0.0	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559885	4242812	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559903	4242820	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559918	4242825	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559940	4242806	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559971	4242815	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559974	4242798	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560019	4242812	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560039	4242812	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560058	4242818	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560073	4242825	DieselExhPM	0.00039	0.0	0.0	0.0	0.0	0.0	0.0	7.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560103	4242826	DieselExhPM	0.00034	0.0	0.0	0.0	0.0	0.0	0.0	6.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560139	4242819	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560303	4243044	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560310	4243029	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560319	4242999	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560320	4242968	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559936	4243481	DieselExhPM	0.00356	0.0	0.0	0.0	0.0	0.0	0.0	0.000712	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559976	4243501	DieselExhPM	0.00353	0.0	0.0	0.0	0.0	0.0	0.0	0.000706	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559993	4243512	DieselExhPM	0.00336	0.0	0.0	0.0	0.0	0.0	0.0	0.000672	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560027	4243524	DieselExhPM	0.00314	0.0	0.0	0.0	0.0	0.0	0.0	0.000628	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559940	4243461	DieselExhPM	0.00427	0.0	0.0	0.0	0.0	0.0	0.0	0.000854	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559936	4243443	DieselExhPM	0.00492	0.0	0.0	0.0	0.0	0.0	0.0	0.000984	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559961	4243443	DieselExhPM	0.00537	0.0	0.0	0.0	0.0	0.0	0.0	0.001074	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560004	4243461	DieselExhPM	0.00471	0.0	0.0	0.0	0.0	0.0	0.0	0.000942	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243485	DieselExhPM	0.00377	0.0	0.0	0.0	0.0	0.0	0.0	0.000754	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560046	4243462	DieselExhPM	0.0042	0.0	0.0	0.0	0.0	0.0	0.0	0.00084	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560061	4243440	DieselExhPM	0.0044	0.0	0.0	0.0	0.0	0.0	0.0	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560022	4243579	DieselExhPM	0.00233	0.0	0.0	0.0	0.0	0.0	0.0	0.000466	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560039	4243593	DieselExhPM	0.0022	0.0	0.0	0.0	0.0	0.0	0.0	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560052	4243600	DieselExhPM	0.00212	0.0	0.0	0.0	0.0	0.0	0.0	0.000424	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559754	4243137	DieselExhPM	0.00325	0.0	0.0	0.0	0.0	0.0	0.0	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560125	4243225	DieselExhPM	0.00482	0.0	0.0	0.0	0.0	0.0	0.0	0.000964	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560225	4243225	DieselExhPM	0.00173	0.0	0.0	0.0	0.0	0.0	0.0	0.000346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560275	4243225	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560325	4243225	DieselExhPM	0.0009	0.0	0.0	0.0	0.0	0.0	0.0	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560325	4243275	DieselExhPM	0.00094	0.0	0.0	0.0	0.0	0.0	0.0	0.000188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560125	4243175	DieselExhPM	0.00442	0.0	0.0	0.0	0.0	0.0	0.0	0.000884	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560175	4243175	DieselExhPM	0.00237	0.0	0.0	0.0	0.0	0.0	0.0	0.000474	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560225	4243175	DieselExhPM	0.00152	0.0	0.0	0.0	0.0	0.0	0.0	0.000304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560275	4243175	DieselExhPM	0.00108	0.0	0.0	0.0	0.0	0.0	0.0	0.000216	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560325	4243175	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560325	4243125	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560375	4243075	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560125	4243225	DieselExhPM	0.00482	0.0	0.0	0.0	0.0	0.0	0.0	0.000964	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559782	4242995	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559849	4243560	DieselExhPM	0.00114	0.0	0.0	0.0	0.0	0.0	0.0	0.000228	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559884	4243576	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559927	4243592	DieselExhPM	0.00161	0.0	0.0	0.0	0.0	0.0	0.0	0.000322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559959	4243608	DieselExhPM	0.00171	0.0	0.0	0.0	0.0	0.0	0.0	0.000342	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559979	4243585	DieselExhPM	0.00209	0.0	0.0	0.0	0.0	0.0	0.0	0.000418	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559939	4243563	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559894	4243553	DieselExhPM	0.00168	0.0	0.0	0.0	0.0	0.0	0.0	0.000336	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559864	4243537	DieselExhPM	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560029	4243480	DieselExhPM	0.00401	0.0	0.0	0.0	0.0	0.0	0.0	0.000802	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559786	4243494	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559571	4243381	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559566	4242976	DieselExhPM	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	3.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559511	4243435	DieselExhPM	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	7.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560032	4242845	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559795	4243066	DieselExhPM	0.00193	0.0	0.0	0.0	0.0	0.0	0.0	0.000386	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559722	4243434	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4242922	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559877	4242874	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559575	4243020	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559743	4243333	DieselExhPM	0.00292	0.0	0.0	0.0	0.0	0.0	0.0	0.000584	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4242837	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559869	4242899	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560007	4243008	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560067	4243502	DieselExhPM	0.00324	0.0	0.0	0.0	0.0	0.0	0.0	0.000648	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559837	4243383	DieselExhPM	0.00497	0.0	0.0	0.0	0.0	0.0	0.0	0.000994	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560083	4243005	DieselExhPM	0.00109	0.0	0.0	0.0	0.0	0.0	0.0	0.000218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560022	4242979	DieselExhPM	0.00135	0.0	0.0	0.0	0.0	0.0	0.0	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560055	4242907	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559617	4243316	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560009	4243389	DieselExhPM	0.00766	0.0	0.0	0.0	0.0	0.0	0.0	0.001532	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560034	4243262	DieselExhPM	0.01323	0.0	0.0	0.0	0.0	0.0	0.0	0.002646	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560206	4243383	DieselExhPM	0.00198	0.0	0.0	0.0	0.0	0.0	0.0	0.000396	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559831	4242864	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560156	4242960	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560002	4243314	DieselExhPM	0.01389	0.0	0.0	0.0	0.0	0.0	0.0	0.002778	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559504	4243463	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560143	4243459	DieselExhPM	0.00264	0.0	0.0	0.0	0.0	0.0	0.0	0.000528	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559680	4242898	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560230	4243054	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560120	4243497	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559805	4243413	DieselExhPM	0.00257	0.0	0.0	0.0	0.0	0.0	0.0	0.000514	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560112	4243546	DieselExhPM	0.00235	0.0	0.0	0.0	0.0	0.0	0.0	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559862	4243464	DieselExhPM	0.0026	0.0	0.0	0.0	0.0	0.0	0.0	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560236	4243399	DieselExhPM	0.00158	0.0	0.0	0.0	0.0	0.0	0.0	0.000316	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559643	4243093	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559745	4242872	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560208	4242849	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560110	4243344	DieselExhPM	0.0045	0.0	0.0	0.0	0.0	0.0	0.0	0.0009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559567	4243075	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559733	4242944	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560022	4243196	DieselExhPM	0.01945	0.0	0.0	0.0	0.0	0.0	0.0	0.00389	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560237	4243105	DieselExhPM	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559582	4243444	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559760	4243309	DieselExhPM	0.00652	0.0	0.0	0.0	0.0	0.0	0.0	0.001304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559860	4243332	DieselExhPM	0.01052	0.0	0.0	0.0	0.0	0.0	0.0	0.002104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243477	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559527	4243344	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559565	4243357	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560060	4242993	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559704	4243427	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559722	4243108	DieselExhPM	0.00142	0.0	0.0	0.0	0.0	0.0	0.0	0.000284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559585	4243295	DieselExhPM	0.00153	0.0	0.0	0.0	0.0	0.0	0.0	0.000306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559941	4242914	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559554	4243238	DieselExhPM	0.00161	0.0	0.0	0.0	0.0	0.0	0.0	0.000322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559618	4242915	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559988	4243059	DieselExhPM	0.00344	0.0	0.0	0.0	0.0	0.0	0.0	0.000688	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559666	4243196	DieselExhPM	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.000558	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559984	4242997	DieselExhPM	0.00167	0.0	0.0	0.0	0.0	0.0	0.0	0.000334	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559742	4243384	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559798	4242883	DieselExhPM	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.000114	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4242860	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559607	4243464	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559712	4243384	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560176	4243043	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560244	4243026	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4243500	DieselExhPM	0.00179	0.0	0.0	0.0	0.0	0.0	0.0	0.000358	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559733	4243055	DieselExhPM	0.00098	0.0	0.0	0.0	0.0	0.0	0.0	0.000196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560227	4243023	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559834	4242934	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559630	4243424	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559548	4243401	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559695	4243504	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559601	4243411	DieselExhPM	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560139	4242868	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4242895	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560193	4242967	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560151	4243222	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559488	4243456	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560027	4243013	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560249	4243058	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559687	4243326	DieselExhPM	0.00163	0.0	0.0	0.0	0.0	0.0	0.0	0.000326	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560004	4242976	DieselExhPM	0.00137	0.0	0.0	0.0	0.0	0.0	0.0	0.000274	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559731	4243528	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560196	4243350	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559614	4243330	DieselExhPM	0.00119	0.0	0.0	0.0	0.0	0.0	0.0	0.000238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559514	4243074	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243032	DieselExhPM	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559501	4243433	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559620	4243440	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560010	4243300	DieselExhPM	0.01395	0.0	0.0	0.0	0.0	0.0	0.0	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559587	4243080	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560211	4242971	DieselExhPM	0.00039	0.0	0.0	0.0	0.0	0.0	0.0	7.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4242840	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559511	4243134	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560245	4243370	DieselExhPM	0.00152	0.0	0.0	0.0	0.0	0.0	0.0	0.000304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559578	4242978	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560158	4242872	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559680	4242903	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559970	4243055	DieselExhPM	0.00289	0.0	0.0	0.0	0.0	0.0	0.0	0.000578	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560030	4243183	DieselExhPM	0.01859	0.0	0.0	0.0	0.0	0.0	0.0	0.003718	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559514	4243409	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559535	4243396	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560048	4243297	DieselExhPM	0.00954	0.0	0.0	0.0	0.0	0.0	0.0	0.001908	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560015	4242841	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559814	4243062	DieselExhPM	0.00206	0.0	0.0	0.0	0.0	0.0	0.0	0.000412	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560020	4242900	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559881	4243433	DieselExhPM	0.00386	0.0	0.0	0.0	0.0	0.0	0.0	0.000772	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560147	4243085	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560200	4243097	DieselExhPM	0.00115	0.0	0.0	0.0	0.0	0.0	0.0	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559787	4243303	DieselExhPM	0.01163	0.0	0.0	0.0	0.0	0.0	0.0	0.002326	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559640	4243408	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560209	4243019	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560212	4243050	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559655	4243269	DieselExhPM	0.00295	0.0	0.0	0.0	0.0	0.0	0.0	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560155	4243007	DieselExhPM	0.00064	0.0	0.0	0.0	0.0	0.0	0.0	0.000128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559974	4243274	DieselExhPM	0.02396	0.0	0.0	0.0	0.0	0.0	0.0	0.004792	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4243286	DieselExhPM	0.02409	0.0	0.0	0.0	0.0	0.0	0.0	0.004818	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559859	4243487	DieselExhPM	0.0021	0.0	0.0	0.0	0.0	0.0	0.0	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560050	4242849	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4243445	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559781	4243315	DieselExhPM	0.00847	0.0	0.0	0.0	0.0	0.0	0.0	0.001694	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4242923	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559669	4243159	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560183	4243093	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560130	4243312	DieselExhPM	0.0041	0.0	0.0	0.0	0.0	0.0	0.0	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559667	4242971	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559545	4243369	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559944	4242999	DieselExhPM	0.00156	0.0	0.0	0.0	0.0	0.0	0.0	0.000312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560073	4242911	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560154	4243440	DieselExhPM	0.00259	0.0	0.0	0.0	0.0	0.0	0.0	0.000518	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4243434	DieselExhPM	0.00128	0.0	0.0	0.0	0.0	0.0	0.0	0.000256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559874	4243472	DieselExhPM	0.00265	0.0	0.0	0.0	0.0	0.0	0.0	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4243411	DieselExhPM	0.00332	0.0	0.0	0.0	0.0	0.0	0.0	0.000664	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560192	4243477	DieselExhPM	0.00191	0.0	0.0	0.0	0.0	0.0	0.0	0.000382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4243031	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559576	4243459	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559885	4243337	DieselExhPM	0.01165	0.0	0.0	0.0	0.0	0.0	0.0	0.00233	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559547	4243449	DieselExhPM	0.00034	0.0	0.0	0.0	0.0	0.0	0.0	6.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560233	4243285	DieselExhPM	0.00172	0.0	0.0	0.0	0.0	0.0	0.0	0.000344	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559681	4243221	DieselExhPM	0.00389	0.0	0.0	0.0	0.0	0.0	0.0	0.000778	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560060	4243278	DieselExhPM	0.00919	0.0	0.0	0.0	0.0	0.0	0.0	0.001838	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559759	4243481	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559723	4243468	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559804	4242928	DieselExhPM	0.00072	0.0	0.0	0.0	0.0	0.0	0.0	0.000144	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559669	4243362	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559838	4243423	DieselExhPM	0.00319	0.0	0.0	0.0	0.0	0.0	0.0	0.000638	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559481	4243378	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560086	4243333	DieselExhPM	0.00574	0.0	0.0	0.0	0.0	0.0	0.0	0.001148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560123	4243031	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559909	4242991	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559635	4243296	DieselExhPM	0.00193	0.0	0.0	0.0	0.0	0.0	0.0	0.000386	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560083	4243183	DieselExhPM	0.00914	0.0	0.0	0.0	0.0	0.0	0.0	0.001828	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560026	4243274	DieselExhPM	0.01356	0.0	0.0	0.0	0.0	0.0	0.0	0.002712	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559764	4243115	DieselExhPM	0.00267	0.0	0.0	0.0	0.0	0.0	0.0	0.000534	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560229	4242975	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4242942	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4243155	DieselExhPM	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560180	4242934	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559919	4243112	DieselExhPM	0.00611	0.0	0.0	0.0	0.0	0.0	0.0	0.001222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559562	4243407	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560066	4243258	DieselExhPM	0.00927	0.0	0.0	0.0	0.0	0.0	0.0	0.001854	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4243028	DieselExhPM	0.00111	0.0	0.0	0.0	0.0	0.0	0.0	0.000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559715	4243508	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560287	4243076	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559594	4242939	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560137	4243004	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560017	4243374	DieselExhPM	0.00807	0.0	0.0	0.0	0.0	0.0	0.0	0.001614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559852	4243427	DieselExhPM	0.0034	0.0	0.0	0.0	0.0	0.0	0.0	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560211	4242883	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560064	4243350	DieselExhPM	0.00645	0.0	0.0	0.0	0.0	0.0	0.0	0.00129	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560175	4242876	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559572	4243408	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560290	4242866	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560191	4243015	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243249	DieselExhPM	0.01278	0.0	0.0	0.0	0.0	0.0	0.0	0.002556	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560172	4243502	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560036	4243316	DieselExhPM	0.00973	0.0	0.0	0.0	0.0	0.0	0.0	0.001946	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559534	4243443	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559611	4243173	DieselExhPM	0.00146	0.0	0.0	0.0	0.0	0.0	0.0	0.000292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559590	4242980	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559483	4243212	DieselExhPM	0.00104	0.0	0.0	0.0	0.0	0.0	0.0	0.000208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560019	4243286	DieselExhPM	0.0138	0.0	0.0	0.0	0.0	0.0	0.0	0.00276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559668	4243039	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560094	4243465	DieselExhPM	0.00338	0.0	0.0	0.0	0.0	0.0	0.0	0.000676	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560165	4243089	DieselExhPM	0.0014	0.0	0.0	0.0	0.0	0.0	0.0	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560069	4243193	DieselExhPM	0.01107	0.0	0.0	0.0	0.0	0.0	0.0	0.002214	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4243362	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560264	4242983	DieselExhPM	0.00034	0.0	0.0	0.0	0.0	0.0	0.0	6.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560271	4243330	DieselExhPM	0.00131	0.0	0.0	0.0	0.0	0.0	0.0	0.000262	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560129	4243080	DieselExhPM	0.00176	0.0	0.0	0.0	0.0	0.0	0.0	0.000352	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560165	4243526	DieselExhPM	0.002	0.0	0.0	0.0	0.0	0.0	0.0	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560004	4243066	DieselExhPM	0.00423	0.0	0.0	0.0	0.0	0.0	0.0	0.000846	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243501	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559530	4243123	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4243374	DieselExhPM	0.00315	0.0	0.0	0.0	0.0	0.0	0.0	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559520	4243076	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559595	4243423	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559995	4242925	DieselExhPM	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.000186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560074	4243557	DieselExhPM	0.0025	0.0	0.0	0.0	0.0	0.0	0.0	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559718	4243283	DieselExhPM	0.00395	0.0	0.0	0.0	0.0	0.0	0.0	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559653	4242995	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559999	4243405	DieselExhPM	0.00709	0.0	0.0	0.0	0.0	0.0	0.0	0.001418	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560108	4243515	DieselExhPM	0.00266	0.0	0.0	0.0	0.0	0.0	0.0	0.000532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559993	4243328	DieselExhPM	0.01362	0.0	0.0	0.0	0.0	0.0	0.0	0.002724	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559935	4243047	DieselExhPM	0.00236	0.0	0.0	0.0	0.0	0.0	0.0	0.000472	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559811	4243484	DieselExhPM	0.00138	0.0	0.0	0.0	0.0	0.0	0.0	0.000276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559846	4243520	DieselExhPM	0.00146	0.0	0.0	0.0	0.0	0.0	0.0	0.000292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559622	4243303	DieselExhPM	0.00166	0.0	0.0	0.0	0.0	0.0	0.0	0.000332	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560065	4243209	DieselExhPM	0.01132	0.0	0.0	0.0	0.0	0.0	0.0	0.002264	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560139	4242956	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243141	DieselExhPM	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.000156	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559706	4243460	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4243546	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559732	4243210	DieselExhPM	0.00648	0.0	0.0	0.0	0.0	0.0	0.0	0.001296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559860	4243273	DieselExhPM	0.02145	0.0	0.0	0.0	0.0	0.0	0.0	0.00429	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559847	4242968	DieselExhPM	0.00105	0.0	0.0	0.0	0.0	0.0	0.0	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559874	4242873	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560040	4242983	DieselExhPM	0.00128	0.0	0.0	0.0	0.0	0.0	0.0	0.000256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559506	4243222	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559666	4243304	DieselExhPM	0.00199	0.0	0.0	0.0	0.0	0.0	0.0	0.000398	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559761	4243391	DieselExhPM	0.00173	0.0	0.0	0.0	0.0	0.0	0.0	0.000346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559950	4243314	DieselExhPM	0.02266	0.0	0.0	0.0	0.0	0.0	0.0	0.004532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559844	4243067	DieselExhPM	0.00252	0.0	0.0	0.0	0.0	0.0	0.0	0.000504	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559606	4243085	DieselExhPM	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	9e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560037	4242904	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559797	4243425	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559694	4243047	DieselExhPM	0.00061	0.0	0.0	0.0	0.0	0.0	0.0	0.000122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559494	4243351	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560091	4242915	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559780	4242879	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560263	4243103	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560127	4243248	DieselExhPM	0.00471	0.0	0.0	0.0	0.0	0.0	0.0	0.000942	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559603	4243018	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559945	4242884	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559881	4243396	DieselExhPM	0.00549	0.0	0.0	0.0	0.0	0.0	0.0	0.001098	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560103	4242948	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559926	4242995	DieselExhPM	0.00147	0.0	0.0	0.0	0.0	0.0	0.0	0.000294	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559879	4243067	DieselExhPM	0.00279	0.0	0.0	0.0	0.0	0.0	0.0	0.000558	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560141	4243035	DieselExhPM	0.00089	0.0	0.0	0.0	0.0	0.0	0.0	0.000178	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559575	4243359	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559662	4243098	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560121	4242864	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559641	4242992	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559905	4242906	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559602	4243186	DieselExhPM	0.00161	0.0	0.0	0.0	0.0	0.0	0.0	0.000322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559558	4243376	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559540	4243070	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559595	4243157	DieselExhPM	0.0011	0.0	0.0	0.0	0.0	0.0	0.0	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559607	4243400	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560201	4243286	DieselExhPM	0.00223	0.0	0.0	0.0	0.0	0.0	0.0	0.000446	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559610	4242913	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559613	4243392	DieselExhPM	0.00061	0.0	0.0	0.0	0.0	0.0	0.0	0.000122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559967	4243412	DieselExhPM	0.00713	0.0	0.0	0.0	0.0	0.0	0.0	0.001426	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559489	4243172	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560094	4243083	DieselExhPM	0.00277	0.0	0.0	0.0	0.0	0.0	0.0	0.000554	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559821	4243473	DieselExhPM	0.00168	0.0	0.0	0.0	0.0	0.0	0.0	0.000336	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559572	4243491	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560213	4243444	DieselExhPM	0.00177	0.0	0.0	0.0	0.0	0.0	0.0	0.000354	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560050	4243236	DieselExhPM	0.01229	0.0	0.0	0.0	0.0	0.0	0.0	0.002458	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560049	4242937	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559653	4242898	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560090	4243542	DieselExhPM	0.00256	0.0	0.0	0.0	0.0	0.0	0.0	0.000512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559522	4243439	DieselExhPM	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	7.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559589	4243498	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559506	4243141	DieselExhPM	0.00064	0.0	0.0	0.0	0.0	0.0	0.0	0.000128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559477	4243424	DieselExhPM	0.00038	0.0	0.0	0.0	0.0	0.0	0.0	7.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559631	4243209	DieselExhPM	0.00236	0.0	0.0	0.0	0.0	0.0	0.0	0.000472	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560091	4242858	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559640	4243195	DieselExhPM	0.00223	0.0	0.0	0.0	0.0	0.0	0.0	0.000446	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559621	4242961	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559961	4243374	DieselExhPM	0.01083	0.0	0.0	0.0	0.0	0.0	0.0	0.002166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559841	4243113	DieselExhPM	0.00472	0.0	0.0	0.0	0.0	0.0	0.0	0.000944	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560121	4242952	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560082	4243478	DieselExhPM	0.00339	0.0	0.0	0.0	0.0	0.0	0.0	0.000678	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559833	4242891	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559550	4243027	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559800	4243501	DieselExhPM	0.00106	0.0	0.0	0.0	0.0	0.0	0.0	0.000212	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559911	4243362	DieselExhPM	0.01047	0.0	0.0	0.0	0.0	0.0	0.0	0.002094	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559899	4243069	DieselExhPM	0.00297	0.0	0.0	0.0	0.0	0.0	0.0	0.000594	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4242850	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560101	4242998	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560014	4243209	DieselExhPM	0.02032	0.0	0.0	0.0	0.0	0.0	0.0	0.004064	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559686	4243164	DieselExhPM	0.00227	0.0	0.0	0.0	0.0	0.0	0.0	0.000454	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559971	4243360	DieselExhPM	0.01212	0.0	0.0	0.0	0.0	0.0	0.0	0.002424	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559879	4242870	DieselExhPM	0.00066	0.0	0.0	0.0	0.0	0.0	0.0	0.000132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559915	4242958	DieselExhPM	0.00113	0.0	0.0	0.0	0.0	0.0	0.0	0.000226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560109	4242919	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559742	4243476	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559608	4243346	DieselExhPM	0.00098	0.0	0.0	0.0	0.0	0.0	0.0	0.000196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559555	4243484	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560228	4242888	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560120	4243328	DieselExhPM	0.00432	0.0	0.0	0.0	0.0	0.0	0.0	0.000864	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559708	4243300	DieselExhPM	0.00272	0.0	0.0	0.0	0.0	0.0	0.0	0.000544	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4243089	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560200	4243266	DieselExhPM	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.00045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243346	DieselExhPM	0.00122	0.0	0.0	0.0	0.0	0.0	0.0	0.000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560190	4242845	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560056	4243523	DieselExhPM	0.00302	0.0	0.0	0.0	0.0	0.0	0.0	0.000604	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559606	4243502	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560175	4242964	DieselExhPM	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	8.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560147	4243517	DieselExhPM	0.00222	0.0	0.0	0.0	0.0	0.0	0.0	0.000444	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560099	4243152	DieselExhPM	0.00642	0.0	0.0	0.0	0.0	0.0	0.0	0.001284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560253	4243459	DieselExhPM	0.00135	0.0	0.0	0.0	0.0	0.0	0.0	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560038	4243554	DieselExhPM	0.00266	0.0	0.0	0.0	0.0	0.0	0.0	0.000532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559616	4243156	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559755	4243059	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559679	4243270	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559766	4242842	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560045	4243426	DieselExhPM	0.0051	0.0	0.0	0.0	0.0	0.0	0.0	0.00102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559647	4243034	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559563	4243426	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243062	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559807	4242859	DieselExhPM	0.00053	0.0	0.0	0.0	0.0	0.0	0.0	0.000106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560286	4243333	DieselExhPM	0.00119	0.0	0.0	0.0	0.0	0.0	0.0	0.000238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560284	4243450	DieselExhPM	0.00113	0.0	0.0	0.0	0.0	0.0	0.0	0.000226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560130	4243515	DieselExhPM	0.00242	0.0	0.0	0.0	0.0	0.0	0.0	0.000484	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4243254	DieselExhPM	0.00379	0.0	0.0	0.0	0.0	0.0	0.0	0.000758	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559980	4243015	DieselExhPM	0.00197	0.0	0.0	0.0	0.0	0.0	0.0	0.000394	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559649	4242921	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560251	4243289	DieselExhPM	0.0015	0.0	0.0	0.0	0.0	0.0	0.0	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560289	4242957	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559932	4242962	DieselExhPM	0.00118	0.0	0.0	0.0	0.0	0.0	0.0	0.000236	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560156	4243358	DieselExhPM	0.003	0.0	0.0	0.0	0.0	0.0	0.0	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560247	4242892	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243540	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559913	4243406	DieselExhPM	0.00623	0.0	0.0	0.0	0.0	0.0	0.0	0.001246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559850	4242868	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560144	4242926	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559513	4243341	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559502	4243335	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560252	4243332	DieselExhPM	0.00148	0.0	0.0	0.0	0.0	0.0	0.0	0.000296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559851	4243387	DieselExhPM	0.00513	0.0	0.0	0.0	0.0	0.0	0.0	0.001026	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559523	4243361	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560283	4242898	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559813	4243321	DieselExhPM	0.01125	0.0	0.0	0.0	0.0	0.0	0.0	0.00225	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559599	4243265	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559960	4242918	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560108	4243134	DieselExhPM	0.00477	0.0	0.0	0.0	0.0	0.0	0.0	0.000954	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559634	4243149	DieselExhPM	0.00122	0.0	0.0	0.0	0.0	0.0	0.0	0.000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560104	4243447	DieselExhPM	0.0034	0.0	0.0	0.0	0.0	0.0	0.0	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560252	4242949	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560086	4243320	DieselExhPM	0.00601	0.0	0.0	0.0	0.0	0.0	0.0	0.001202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560177	4243489	DieselExhPM	0.00204	0.0	0.0	0.0	0.0	0.0	0.0	0.000408	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559594	4243201	DieselExhPM	0.00173	0.0	0.0	0.0	0.0	0.0	0.0	0.000346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559997	4243327	DieselExhPM	0.01317	0.0	0.0	0.0	0.0	0.0	0.0	0.002634	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559901	4242875	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559998	4243235	DieselExhPM	0.02222	0.0	0.0	0.0	0.0	0.0	0.0	0.004444	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559958	4243299	DieselExhPM	0.0238	0.0	0.0	0.0	0.0	0.0	0.0	0.00476	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559861	4243065	DieselExhPM	0.0026	0.0	0.0	0.0	0.0	0.0	0.0	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560042	4243015	DieselExhPM	0.0018	0.0	0.0	0.0	0.0	0.0	0.0	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	0.0

560166	4243260	DieselExhPM	0.00307	0.0	0.0	0.0	0.0	0.0	0.0	0.000614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559546	4242997	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559748	4243531	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559680	4242925	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559659	4243377	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560067	4242941	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4242916	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560162	4242930	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559952	4243388	DieselExhPM	0.00917	0.0	0.0	0.0	0.0	0.0	0.0	0.001834	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559788	4243464	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559887	4242902	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559986	4242972	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560217	4242942	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559611	4242985	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559923	4242880	DieselExhPM	0.00072	0.0	0.0	0.0	0.0	0.0	0.0	0.000144	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559689	4243453	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560193	4242880	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559626	4243030	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560001	4242896	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559629	4242918	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559509	4243356	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559816	4243120	DieselExhPM	0.00462	0.0	0.0	0.0	0.0	0.0	0.0	0.000924	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559768	4243350	DieselExhPM	0.00355	0.0	0.0	0.0	0.0	0.0	0.0	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559729	4242966	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560282	4242987	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559724	4243553	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559667	4243527	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4243535	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4242924	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559775	4243456	DieselExhPM	0.00112	0.0	0.0	0.0	0.0	0.0	0.0	0.000224	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559632	4243356	DieselExhPM	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.000186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560250	4242850	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559740	4243109	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560006	4243222	DieselExhPM	0.02135	0.0	0.0	0.0	0.0	0.0	0.0	0.00427	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559834	4242861	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559833	4243327	DieselExhPM	0.01134	0.0	0.0	0.0	0.0	0.0	0.0	0.002268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560270	4242953	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559950	4242965	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560166	4243342	DieselExhPM	0.00285	0.0	0.0	0.0	0.0	0.0	0.0	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4243109	DieselExhPM	0.00661	0.0	0.0	0.0	0.0	0.0	0.0	0.001322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560014	4242929	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559653	4243215	DieselExhPM	0.00292	0.0	0.0	0.0	0.0	0.0	0.0	0.000584	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559683	4243100	DieselExhPM	0.00086	0.0	0.0	0.0	0.0	0.0	0.0	0.000172	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559632	4242989	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559821	4243382	DieselExhPM	0.00445	0.0	0.0	0.0	0.0	0.0	0.0	0.00089	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559699	4243541	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560226	4242853	DieselExhPM	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	4.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559621	4242987	DieselExhPM	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	4.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560024	4243335	DieselExhPM	0.00973	0.0	0.0	0.0	0.0	0.0	0.0	0.001946	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559777	4243408	DieselExhPM	0.00184	0.0	0.0	0.0	0.0	0.0	0.0	0.000368	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560032	4242933	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559486	4243330	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559966	4242889	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560109	4243286	DieselExhPM	0.00535	0.0	0.0	0.0	0.0	0.0	0.0	0.00107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559670	4242959	DieselExhPM	0.00032	0.0	0.0	0.0	0.0	0.0	0.0	6.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559650	4243392	DieselExhPM	0.00066	0.0	0.0	0.0	0.0	0.0	0.0	0.000132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559722	4243369	DieselExhPM	0.00127	0.0	0.0	0.0	0.0	0.0	0.0	0.000254	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559479	4243121	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560088	4242945	DieselExhPM	0.00067	0.0	0.0	0.0	0.0	0.0	0.0	0.000134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559885	4243342	DieselExhPM	0.01073	0.0	0.0	0.0	0.0	0.0	0.0	0.002146	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559544	4243345	DieselExhPM	0.00084	0.0	0.0	0.0	0.0	0.0	0.0	0.000168	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559990	4243248	DieselExhPM	0.02289	0.0	0.0	0.0	0.0	0.0	0.0	0.004578	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559634	4242919	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560236	4243327	DieselExhPM	0.00166	0.0	0.0	0.0	0.0	0.0	0.0	0.000332	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560058	4243223	DieselExhPM	0.01171	0.0	0.0	0.0	0.0	0.0	0.0	0.002342	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559639	4243342	DieselExhPM	0.00111	0.0	0.0	0.0	0.0	0.0	0.0	0.000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559624	4243506	DieselExhPM	0.00026	0.0	0.0	0.0	0.0	0.0	0.0	5.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559918	4242883	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243021	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559942	4243406	DieselExhPM	0.00724	0.0	0.0	0.0	0.0	0.0	0.0	0.001448	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560078	4243026	DieselExhPM	0.00143	0.0	0.0	0.0	0.0	0.0	0.0	0.000286	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560141	4243295	DieselExhPM	0.00384	0.0	0.0	0.0	0.0	0.0	0.0	0.000768	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559647	4242940	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559923	4242910	DieselExhPM	0.00085	0.0	0.0	0.0	0.0	0.0	0.0	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560218	4243101	DieselExhPM	0.00105	0.0	0.0	0.0	0.0	0.0	0.0	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559894	4243441	DieselExhPM	0.0039	0.0	0.0	0.0	0.0	0.0	0.0	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559974	4243084	DieselExhPM	0.00466	0.0	0.0	0.0	0.0	0.0	0.0	0.000932	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559588	4243384	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559702	4243232	DieselExhPM	0.00495	0.0	0.0	0.0	0.0	0.0	0.0	0.00099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559658	4243542	DieselExhPM	0.00025	0.0	0.0	0.0	0.0	0.0	0.0	5e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559816	4242887	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560063	4243047	DieselExhPM	0.00226	0.0	0.0	0.0	0.0	0.0	0.0	0.000452	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559492	4243379	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559551	4243423	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559712	4243048	DieselExhPM	0.00074	0.0	0.0	0.0	0.0	0.0	0.0	0.000148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559592	4243367	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559664	4242983	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559538	4243419	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560093	4243164	DieselExhPM	0.00756	0.0	0.0	0.0	0.0	0.0	0.0	0.001512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559728	4242950	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559758	4243449	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559970	4242838	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560278	4243094	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559601	4242982	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559486	4243398	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559832	4243508	DieselExhPM	0.00141	0.0	0.0	0.0	0.0	0.0	0.0	0.000282	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560122	4243555	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559554	4243018	DieselExhPM	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559917	4243043	DieselExhPM	0.00221	0.0	0.0	0.0	0.0	0.0	0.0	0.000442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559700	4243107	DieselExhPM	0.00109	0.0	0.0	0.0	0.0	0.0	0.0	0.000218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560065	4243075	DieselExhPM	0.00352	0.0	0.0	0.0	0.0	0.0	0.0	0.000704	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560100	4243361	DieselExhPM	0.00465	0.0	0.0	0.0	0.0	0.0	0.0	0.00093	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560166	4243422	DieselExhPM	0.00249	0.0	0.0	0.0	0.0	0.0	0.0	0.000498	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559982	4243261	DieselExhPM	0.02355	0.0	0.0	0.0	0.0	0.0	0.0	0.00471	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560115	4243430	DieselExhPM	0.00338	0.0	0.0	0.0	0.0	0.0	0.0	0.000676	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560158	4243039	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560302	4242902	DieselExhPM	0.00021	0.0	0.0	0.0	0.0	0.0	0.0	4.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560268	4243296	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559588	4243431	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560246	4242869	DieselExhPM	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	4.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559632	4242939	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560146	4242842	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559866	4243112	DieselExhPM	0.00518	0.0	0.0	0.0	0.0	0.0	0.0	0.001036	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559900	4243040	DieselExhPM	0.00208	0.0	0.0	0.0	0.0	0.0	0.0	0.000416	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559613	4242914	DieselExhPM	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	3.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559527	4243415	DieselExhPM	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	8.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559649	4243332	DieselExhPM	0.00129	0.0	0.0	0.0	0.0	0.0	0.0	0.000258	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559537	4243123	DieselExhPM	0.00057	0.0	0.0	0.0	0.0	0.0	0.0	0.000114	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559938	4242887	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560179	4243448	DieselExhPM	0.00217	0.0	0.0	0.0	0.0	0.0	0.0	0.000434	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559502	4243149	DieselExhPM	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.000136	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559686	4243419	DieselExhPM	0.00059	0.0	0.0	0.0	0.0	0.0	0.0	0.000118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243455	DieselExhPM	0.00033	0.0	0.0	0.0	0.0	0.0	0.0	6.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559857	4242865	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560173	4243011	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559847	4243363	DieselExhPM	0.00678	0.0	0.0	0.0	0.0	0.0	0.0	0.001356	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559812	4242856	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559866	4243392	DieselExhPM	0.00528	0.0	0.0	0.0	0.0	0.0	0.0	0.001056	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559664	4242901	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559518	4243118	DieselExhPM	0.0005	0.0	0.0	0.0	0.0	0.0	0.0	0.0001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559763	4242938	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559800	4243550	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559656	4243319	DieselExhPM	0.00157	0.0	0.0	0.0	0.0	0.0	0.0	0.000314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559510	4243073	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559543	4243064	DieselExhPM	0.00029	0.0	0.0	0.0	0.0	0.0	0.0	5.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559698	4243315	DieselExhPM	0.00201	0.0	0.0	0.0	0.0	0.0	0.0	0.000402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560235	4242946	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559671	4242944	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560172	4242844	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559892	4243112	DieselExhPM	0.00564	0.0	0.0	0.0	0.0	0.0	0.0	0.001128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559481	4243347	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559652	4243300	DieselExhPM	0.00198	0.0	0.0	0.0	0.0	0.0	0.0	0.000396	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559558	4242990	DieselExhPM	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	3.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559924	4243073	DieselExhPM	0.00321	0.0	0.0	0.0	0.0	0.0	0.0	0.000642	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559623	4243482	DieselExhPM	0.0003	0.0	0.0	0.0	0.0	0.0	0.0	6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560194	4243046	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560131	4243478	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559530	4243229	DieselExhPM	0.00139	0.0	0.0	0.0	0.0	0.0	0.0	0.000278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560119	4243000	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559521	4243470	DieselExhPM	0.00028	0.0	0.0	0.0	0.0	0.0	0.0	5.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559732	4243352	DieselExhPM	0.00181	0.0	0.0	0.0	0.0	0.0	0.0	0.000362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560082	4243240	DieselExhPM	0.00815	0.0	0.0	0.0	0.0	0.0	0.0	0.00163	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559772	4243487	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559895	4242877	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559789	4243120	DieselExhPM	0.00374	0.0	0.0	0.0	0.0	0.0	0.0	0.000748	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559573	4243175	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560246	4242979	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560068	4242853	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559785	4242851	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559488	4243426	DieselExhPM	0.00038	0.0	0.0	0.0	0.0	0.0	0.0	7.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560027	4243065	DieselExhPM	0.00417	0.0	0.0	0.0	0.0	0.0	0.0	0.000834	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559762	4242876	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559640	4243256	DieselExhPM	0.00288	0.0	0.0	0.0	0.0	0.0	0.0	0.000576	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559625	4242950	DieselExhPM	0.00022	0.0	0.0	0.0	0.0	0.0	0.0	4.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559987	4243422	DieselExhPM	0.00642	0.0	0.0	0.0	0.0	0.0	0.0	0.001284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559560	4243003	DieselExhPM	0.00018	0.0	0.0	0.0	0.0	0.0	0.0	3.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559739	4243441	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560181	4243221	DieselExhPM	0.00256	0.0	0.0	0.0	0.0	0.0	0.0	0.000512	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560296	4243060	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560244	4243382	DieselExhPM	0.00151	0.0	0.0	0.0	0.0	0.0	0.0	0.000302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559497	4243157	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559644	4243486	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560176	4243326	DieselExhPM	0.00268	0.0	0.0	0.0	0.0	0.0	0.0	0.000536	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559492	4243165	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560099	4243302	DieselExhPM	0.00567	0.0	0.0	0.0	0.0	0.0	0.0	0.001134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560199	4242938	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560111	4243078	DieselExhPM	0.00205	0.0	0.0	0.0	0.0	0.0	0.0	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559901	4243422	DieselExhPM	0.00486	0.0	0.0	0.0	0.0	0.0	0.0	0.000972	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559627	4243370	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560187	4243309	DieselExhPM	0.00249	0.0	0.0	0.0	0.0	0.0	0.0	0.000498	0.0	0.0	0.0	0.0	0.0	0.0	0.0

559620	4243380	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
560285	4243301	DieselExhPM	0.0012	0.0	0.0	0.0	0.0	0.0	0.0	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1.53

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1.53
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: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

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 saved to: F:\Jobs\35520009\HARP\SchoolCancer_CancerRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/18/2024 7:38:31 AM -
Cancer Risk - Input File: F:\Jobs\35520009\HARP\SchoolCancer_HRAInput.hra

GRP1	GRP2	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhaation Risk
SCHOOL	WILLOW EX	DieselExhPM	0.00537	7.1311e-07	1.53YrCancerHighEnd_InhSoilDerm	7.1311e-07

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Exposure duration are only adjusted for cancer assessments

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

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

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 chronic risk

Chronic risk saved to: F:\Jobs\35520009\HARP\SchoolChronic_NCChronicRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 4/11/2024 4:02:27 AM -
Chronic Risk - Input File: F:\Jobs\35520009\HARP\SchoolChronic_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
SCHOOL	WILLOW EX	DieselExhPM	0.00537	0.0	0.0	0.0	0.0	0.0	0.0	0.001074	0.0	0.0	0.0	0.0	0.0	0.0	0.0

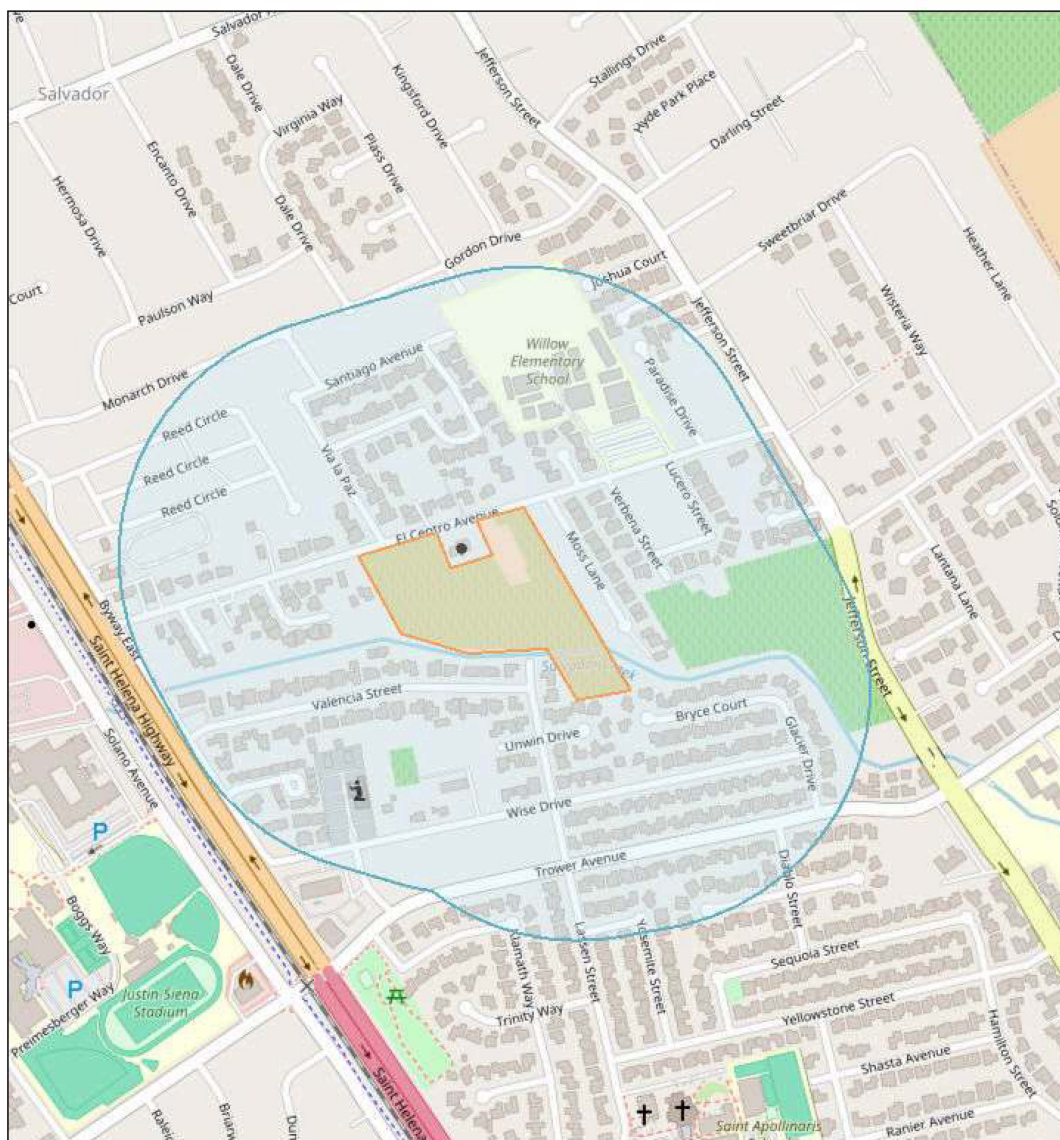


Screening Report

Area of Interest (AOI) Information

Area : 6,589,471.79 ft²

Apr 9 2024 9:31:24 Pacific Daylight Time



- Permitted Stationary Sources

Map data © OpenStreetMap contributors, CC-BY-SA

Summary

Name	Count	Area(ft²)	Length(ft)
Permitted Stationary Sources	0	N/A	N/A

NOTE: A larger buffer than 1000 feet may be warranted depending on proximity to significant sources.

UTMX	UTMY	Road Cancer		Road	Rail Chronic		
		Risk	Road Chronic HI	PM2.5	Rail Cancer Risk	HI	Rail PM2.5
559741	4243249	13.4	0.030	0.223	-3.40E+38	-3.40E+38	-3.40E+38
559747	4243238	11.9	0.027	0.198	-3.40E+38	-3.40E+38	-3.40E+38
559754	4243225	11.9	0.027	0.198	-3.40E+38	-3.40E+38	-3.40E+38
559763	4243212	11.9	0.027	0.198	-3.40E+38	-3.40E+38	-3.40E+38
559773	4243200	12.3	0.027	0.200	-3.40E+38	-3.40E+38	-3.40E+38
559787	4243185	12.3	0.027	0.200	-3.40E+38	-3.40E+38	-3.40E+38
559804	4243171	11.6	0.026	0.190	-3.40E+38	-3.40E+38	-3.40E+38
559818	4243172	11.6	0.026	0.190	-3.40E+38	-3.40E+38	-3.40E+38
559832	4243172	11.6	0.026	0.190	-3.40E+38	-3.40E+38	-3.40E+38
559848	4243168	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559866	4243169	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559880	4243168	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559894	4243171	11.5	0.026	0.201	-3.40E+38	-3.40E+38	-3.40E+38
559907	4243171	11.5	0.026	0.201	-3.40E+38	-3.40E+38	-3.40E+38
559923	4243171	11.5	0.026	0.201	-3.40E+38	-3.40E+38	-3.40E+38
559946	4243174	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559957	4243172	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559972	4243172	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559985	4243175	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559982	4243219	10.4	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559971	4243232	10.4	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559967	4243244	10.4	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559956	4243255	10.4	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559949	4243268	10.6	0.025	0.200	-3.40E+38	-3.40E+38	-3.40E+38
559937	4243282	10.2	0.023	0.169	-3.40E+38	-3.40E+38	-3.40E+38
559932	4243295	10.2	0.023	0.169	-3.40E+38	-3.40E+38	-3.40E+38
559920	4243307	10.2	0.023	0.169	-3.40E+38	-3.40E+38	-3.40E+38
559882	4243291	10.6	0.024	0.178	-3.40E+38	-3.40E+38	-3.40E+38
559889	4243277	10.6	0.024	0.178	-3.40E+38	-3.40E+38	-3.40E+38
559897	4243266	10.2	0.023	0.169	-3.40E+38	-3.40E+38	-3.40E+38
559908	4243253	10.6	0.023	0.174	-3.40E+38	-3.40E+38	-3.40E+38
559918	4243236	10.6	0.023	0.174	-3.40E+38	-3.40E+38	-3.40E+38
559924	4243228	10.6	0.023	0.174	-3.40E+38	-3.40E+38	-3.40E+38
559933	4243211	10.6	0.023	0.174	-3.40E+38	-3.40E+38	-3.40E+38
559910	4243211	10.6	0.023	0.174	-3.40E+38	-3.40E+38	-3.40E+38
559892	4243209	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559875	4243208	11.0	0.024	0.182	-3.40E+38	-3.40E+38	-3.40E+38
559877	4243234	10.5	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559874	4243245	10.5	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559849	4243215	10.5	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559844	4243234	10.5	0.023	0.175	-3.40E+38	-3.40E+38	-3.40E+38
559838	4243213	11.0	0.025	0.183	-3.40E+38	-3.40E+38	-3.40E+38
559815	4243212	11.0	0.025	0.183	-3.40E+38	-3.40E+38	-3.40E+38
559804	4243228	11.0	0.025	0.183	-3.40E+38	-3.40E+38	-3.40E+38
559801	4243236	11.0	0.025	0.183	-3.40E+38	-3.40E+38	-3.40E+38
559788	4243252	11.9	0.027	0.198	-3.40E+38	-3.40E+38	-3.40E+38
559786	4243263	12.4	0.028	0.211	-3.40E+38	-3.40E+38	-3.40E+38
559810	4243266	13.0	0.030	0.224	-3.40E+38	-3.40E+38	-3.40E+38
559820	4243252	11.0	0.025	0.183	-3.40E+38	-3.40E+38	-3.40E+38
560027	4243107	11.9	0.026	0.193	-3.40E+38	-3.40E+38	-3.40E+38
560030	4243095	11.9	0.026	0.193	-3.40E+38	-3.40E+38	-3.40E+38

3.4028235E

-3.4028E+38 = Raster Code for No Data

Data Provided By: BAAQMD as raster file (.tif) datasets
Roadway Screening Tool - Cancer Risk Last Updated December 8 2022
Roadway Screening Tool - Chronic Hazard Last Updated December 8 2022
Roadway Screening Tool - PM2.5 Last Updated December 8 2022
Rail Screening Tool - Cancer Risk Last Updated January 30 2023
Rail Screening Tool - Chronic Hazard Last Updated January 30 2023
Rail Screening Tool - PM2.5 Last Updated January 30 2023

Zinfandel Estates - On-Site Construction + Operations

Summary of Fossil Fuel Energy Use During Construction

Construction equipment fuel	49,188	gallons (diesel)
Construction vehicle fuel	10,696	gallons (gasoline, diesel)
Total construction fuel	59,885	gallons (gasoline, diesel)

Zinfandel Estates - On-Site Construction + Operations

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor	PhaseDays	FuelConsumption
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Interim	1	8	33	0.73	20	208
Demolition	Excavators	Diesel	Tier 4 Interim	3	8	36	0.38	20	355
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2	8	367	0.4	20	2,537
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3	8	367	0.4	10	1,903
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4	8	84	0.37	10	537
Grading	Excavators	Diesel	Tier 4 Interim	2	8	36	0.38	30	355
Grading	Graders	Diesel	Tier 4 Interim	1	8	148	0.41	30	786
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1	8	367	0.4	30	1,903
Grading	Scrapers	Diesel	Tier 4 Interim	2	8	423	0.48	30	5,263
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2	8	84	0.37	30	806
Building Construction	Cranes	Diesel	Tier 4 Interim	1	7	367	0.29	300	12,069
Building Construction	Forklifts	Diesel	Tier 4 Interim	3	8	82	0.2	300	6,376
Building Construction	Generator Sets	Diesel	Tier 4 Interim	1	8	14	0.74	300	1,343
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3	7	84	0.37	300	10,573
Building Construction	Welders	Diesel	Tier 4 Interim	1	8	46	0.45	300	2,683
Paving	Pavers	Diesel	Tier 4 Interim	2	8	81	0.42	20	588
Paving	Paving Equipment	Diesel	Tier 4 Interim	2	8	89	0.36	20	554
Paving	Rollers	Diesel	Tier 4 Interim	2	8	36	0.38	20	236
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	1	6	37	0.48	20	115
gallons									49,188

ARB 2021, Low Emission Diesel (LED) Study: Biodiesel and Renewable Diesel Emissions in Legacy and New Technology Diesel Engines, November 2021
Average Value for CARB Reference Fuel - Nonroad Transient Cycle - BSFC = 0.054 gal/bhp-hr

**Off-Road Construction Equipment
Fuel Consumption**

Zinfandel Estates - On-Site Construction + Operations

Energy Calculations - Construction Vehicle Fuel

Source: AQ/GHG Appendix, CalEEMod Output, EMFAC2021 v1.0.2

Vehicle Type	Total VMT (mi)	mi/gal	gal	Vehicle Cat
Worker	112,121	26.80	4,183	LDA,LDT1,LDT2
Vendor	16,971	6.82	2,487	HHDT,MHDT
Hauling	23,500	5.84	4,026	HHDT
	152,593		10,696	gallons
	Combined VMT			

Note: Fuel Economy Factors are from EMFAC2021 for: 2025 Napa

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