

Executive Summary

This Emission Summary and Dispersion Modelling (ESDM) report was prepared to support an application for an Environmental Compliance Approval with limited flexibility (ECA). The ESDM report was prepared in accordance with s.26 of Ontario Regulation 419/05 (O. Reg. 419) and the ESDM Procedure Document to support the ECA application.

Procor Limited (Procor) operates a railcar cleaning, repair, painting and interior coating facility located at 725 Procor Drive, Sarnia, ON, N7T 7H3 (Site). The Site is owned by Procor. The Site is located in an area zoned for industrial use. The main processes are the cleaning, repair, painting and interior coating of railcars.

The Site is subject to s.20 of O. Reg. 419, so the modelling impact of contaminant emissions has been assessed as the worst-case maximum Point of Impingement (POI) concentrations against Schedule 3 criteria using the appropriate averaging period.

The Site is expected to emit products of combustion, VOCs, and particulate matter (PM).

The maximum POI concentrations were calculated based on the operating conditions where all significant sources are operating simultaneously at their individual maximum rates of production. The maximum emission rates for each significant contaminant emitted from the significant sources were calculated in accordance with s.11 of O. Reg. 419 and the data quality assessment follows the process outlined in the requirements of the ESDM Procedure Document.

A POI concentration for each significant contaminant emitted from the Site was predicted based on the calculated emission rates and the output from the Air Dispersion Model; the results are presented in the following Emissions Summary Table in accordance with s.26 of O. Reg. 419.

The POI concentrations listed in the Emissions Summary Table were compared against the “Air Contaminants Benchmarks (ACB) List: Standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants”, 2018.

Of the contaminants listed in Table 4 – Emissions Summary Table that have limits in the List of Ministry POI Limits, all the predicted POI concentrations are below the corresponding limits. For example, the 10-minute POI concentration for Hydrogen Sulphide (7783-06-4) is 11.17 µg/m³ at 85.9% of the guideline of 13.00 µg/m³. The next highest contaminant is Quinoline (91-22-5) at 84.0%.

To provide context, background concentrations have been added to the maximum daily off-property concentration and shown in Table 10: Cumulative Impacts.

Table 4:
Emissions Summary Table
(July 24, 2024)

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
0-02-2	Petroleum hydrocarbon based oils	0.0009441	19191		24				0.08241	Neg	390800	4757000		
0-03-3	Styrene-butadiene based polymer	0.001036	19191		24				0.09047	Neg	390800	4757000		
0-04-4	Residual Monomer	0.0009487	19191		24				0.08282	Neg	390800	4757000		
0-05-5	FDA Approved Suspension Aid	0.0009282	19191		24				0.08103	Neg	390800	4757000		
0-06-6	FDA Approved Biocide	0.0009282	19191		24				0.08103	Neg	390800	4757000		
0-08-8	Sulfur compounds	3.217E-07	19191		24				0.0001491	Neg	390900	4757000		
0-09-9	Anti-Stripping Additive	6.435E-08	19191		24				0.00002981	Neg	390900	4757000		
0-11-3	Propylene Glycol Ether (trade secret)	0.0001181	19191		24				0.03431	Neg	390700	4757000		
0-12-4	Corrosion Inhibitors (Trade secret)	0.0001181	19191		24				0.03431	Neg	390700	4757000		
0-21-5	Acrylic copolymer MSDS268	0.000958	19191		24				0.08363	Neg	390800	4757000		
0-22-6	Base oil - highly refined	0.00105	19191		24				0.09165	Neg	390800	4757000		
0-23-7	Base oil - highly refined	0.00105	19191		24				0.09165	Neg	390800	4757000		
0-24-8	Base oil - highly refined	0.001046	19191		24				0.09129	Neg	390800	4757000		
0-25-9	Fischer-Tropsch derived base oil, cons	0.001072	19191		24				0.0936	Neg	390800	4757000		
0-26-0	Fischer-Tropsch derived base oil, cons	0.001084	19191		24				0.09461	Neg	390800	4757000		
0-28-2	Hydrocarbon solvents	0.00109	19191		24				0.09516	Neg	390800	4757000		
0-30-6	Polynuclear aromatics	0.0009464	19191		24				0.08262	Neg	390800	4757000		
0-31-7	Chlorinated solvents	0.000946	19191		24				0.08258	Neg	390800	4757000		
0-32-8	Other C5s	0.0009458	19191		24				0.08256	Neg	390800	4757000		
0-33-9	C6s	0.0009459	19191		24				0.08257	Neg	390800	4757000		
0-34-0	Asphaltenes	0.001043	19191		24				0.091	Neg	390800	4757000		
0-35-1	Polycyclic aromatic hydrocarbons	0.0009459	19191		24				0.08257	Neg	390800	4757000		
0-36-2	Diaromatics	0.0009459	19191		24				0.08257	Neg	390800	4757000		
0-37-3	Mixed C7 and C9 alkanes and alkenes	0.001016	19191		24				0.08868	Neg	390800	4757000		
0-38-4	Polycyclic aromatic hydrocarbons	0.000946	19191		24				0.08257	Neg	390800	4757000		
0-39-5	Other ester adducts	0.0009324	19191		24				0.08139	Neg	390800	4757000		
0-40-8	Nonionic Surfactant Blend	0.0009461	19191		24				0.08259	Neg	390800	4757000		
0-41-9	AN86136	0.001139	19191		24				0.0994	Neg	390800	4757000		
0-42-0	Polyolefin amid alkeneamine	0.000946	19191		24				0.08258	Neg	390800	4757000		
0-43-1	Interchangeable low viscosity base oil	0.001017	19191		24				0.08873	Neg	390800	4757000		
0-46-4	Interchangeable low viscosity base oil	0.00102	19191		24				0.08904	Neg	390800	4757000		
0-47-5	Interchangeable low viscosity base oil	0.001019	19191		24				0.08894	Neg	390800	4757000		
0-48-6	hexane (mixture of isomers)	0.0009798	19191		24				0.08553	Neg	390800	4757000		
0-54-4	Hybase M-401 (Unknown -No Hazard)	0.0009507	19191		24				0.08299	Neg	390800	4757000		
0-55-5	Paraffinic hydrocarbons	0.001097	19191		24				0.09574	Neg	390800	4757000		
0-56-6	Paraffinic hydrocarbons	0.001097	19191		24				0.09574	Neg	390800	4757000		
0-57-7	Severely treated base oils	0.001161	19191		24				0.1014		390800	4757000		
0-58-8	Severely treated base oils	0.00111	19191		24				0.09687	Neg	390800	4757000		
0-59-9	Severely treated base oils	0.001161	19191		24				0.1014		390800	4757000		
0-60-2	Severely treated base oils	0.001084	19191		24				0.09462	Neg	390800	4757000		
0-61-3	Acdelco Full Synthetic Dexos1 5W-30	0.001102	19191		24				0.09619	Neg	390800	4757000		
0-62-4	SYNTON PAO100 (Unknown - Non haz)	0.0008597	19191		24				0.07504	Neg	390800	4757000		
0-63-5	Acrylic Resins	0.0001126	19191		24				0.03271	Neg	390700	4757000		
0-64-6	Paraffins & Isoparaffins	0.00117	19191		24				0.1022		390800	4757000		
1-01-4	CTS-045 Additives	2.099E-06	19191		24				0.0001307	Neg	390700	4757000		
1-02-5	CTS-CM142 Dispersant	2.099E-06	19191		24				0.0001307	Neg	390700	4757000		
1-31-0	Heavies	0.001151	19191		24				0.1005		390800	4757000		
1-31-0	Heavies	0.001151	19191		24				0.1005		390800	4757000		
1-34-3	Slack Wax	0.001097	19191		24				0.09574	Neg	390800	4757000		a
1-35-4	Severely treated base oils	0.001148	19191		24				0.1		390800	4757000		a
1-36-5	Slack Wax	0.00111	19191		24				0.09687	Neg	390800	4757000		a
1-37-6	Severely treated base oils	0.001084	19191		24				0.09462	Neg	390800	4757000		a

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
50-00-0	Formaldehyde	0.124	19191	65	24	Standard	B1	Health	7.024	11%	390700	4757000		
56-81-5	Glycerol	0.002415	19191	120	24	SL-MD	B2	Health & Particulate	0.1716	0%	390800	4757000		
57-55-6	Propylene Glycol	0.0009149	19191	120	24	Guideline	B1	Particulate	0.2059	0%	390700	4757000		
64-17-5	Ethyl alcohol	1.575	19191	19000	1	Guideline	B1	Odour	323.7	2%	390700	4757000		
64-18-6	Formic acid	0.004594	19191	500	24	Standard	B1	Health	0.401	0%	390800	4757000		
64-67-5	diethyl sulfate	0.04371	19191	5	24	SL-JSL	B2	Health	3.816	76%	390800	4757000		
67-56-1	Methanol	0.0702	19191	4000	24	Standard	B1	Health	5.886	0%	390800	4757000		
67-63-0	Isopropyl alcohol	0.8262	19191	7300	24	Standard	B1	Health	50.58	1%	390900	4757000		
67-63-0	Isopropyl alcohol	0.8262	19191	73000	24	URT	URT	URT	50.58	0%	390900	4757000		
67-64-1	Acetone	0.06926	19191	11880	24	Standard	B1	Health	5.752	0%	390800	4757000		
67-64-1	Acetone	0.06926	19191	118800	24	URT	URT	URT	5.752	0%	390800	4757000		
67-66-3	Chlorofom	0.0001863	19191	1	24	Standard	B1	Health	0.08217	8%	390900	4757000		
67-66-3	Chlorofom	0.0001863	19191	100	24	URT	URT	URT	0.08217	0%	390900	4757000		
68-12-2	N,N-Dimethylformamide	0.003478	19191	150	24	SL-JSL	B2	Health	0.3036	0%	390800	4757000		
71-23-8	n-Propyl Alcohol - N-C3-OH	0.004358	19191	16000	24	Guideline	B1	Health	0.3804	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.0239	19191	2100	0.1667	Guideline	B1	Health	3.942	0%	390900	4757000		
71-36-3	n-Butyl alcohol	0.01447	19191	920	24	Standard	B1	Health	1.263	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.01447	19191	6000	24	URT	URT	URT	1.263	0%	390800	4757000		
71-43-2	Benzene	0.1319	19191	100	24	SL-DAV	DAV	DAV	1.668	2%	390700	4757000		a
71-43-2	Benzene	0.1319	19191	100	24	URT	URT	URT	1.668	2%	390700	4757000		a
71-43-2	Benzene	0.1319	19191	4.5	8760	SL-AAV	AAV	AAV	0.1139	3%	390700	4757000		a
71-43-2	Benzene	0.1319	19191	0.45	8760	Standard	B1	Health	0.1139	25%	390700	4757000		a
74-82-8	Methane	0.05979	19191	37330	24	SL-PA	B2	Health	2.471	0%	390800	4757000		a
74-84-0	Ethane	0.6272	19191	14500	24	SL-JSL	B2	Health	27.12	0%	390800	4757000		
74-87-3	Methyl chloride	0.0263	19191	320	24	Standard	B1	Health	2.296	1%	390800	4757000		
74-87-3	Methyl chloride	0.0263	19191	3200	24	URT	URT	URT	2.296	0%	390800	4757000		
74-89-5	Monomethyl Amine	0.00001007	19191	25	24	Guideline	B1	Odour	0.000879	0%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	19191	8	24	Standard	B1	Health	6.606	83%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	19191	80	24	URT	URT	URT	6.606	8%	390800	4757000		
74-98-6	Propane	3.166	19191	215000	24	SL-JSL	B2	Health	138.2	0%	390800	4757000		
74-99-7	1-Propyne	0.4084	19191	8200	24	SL-JSL	B2	Health	35.65	0%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	19191	1	24	Standard	B1	Health	0.8255	83%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	19191	100	24	URT	URT	URT	0.8255	1%	390800	4757000		
75-08-1	Ethyl Mercaptan	0.002607	19191	0.1139	24	Submitted in			0.1139	100%	390800	4757000		
75-08-1	Ethyl Mercaptan	0.002607	19191	0.1139	24	Submitted in			0.1139	100%	390800	4757000		
75-09-2	Methylene Chloride	0.02362	19191	220	24	Standard	B1	Health	9.775	4%	390900	4757000		
75-09-2	Methylene Chloride	0.02362	19191	22000	24	URT	URT	URT	9.775	0%	390900	4757000		
75-15-0	Carbon Disulfide	0.3205	19191	330	24	Guideline	B1	Odour	27.98	8%	390800	4757000		
75-28-5	Isobutane - 2-ME-C3	4.247	19191	3550	24	SL-JSL	B2	Health	184.1	5%	390800	4757000		
75-50-3	Trimethyl Amine - TM-AMINE	0.0007667	19191	0.5	1	Guideline	B1	Odour	0.1265	25%	390900	4757000		
75-56-9	Propylene oxide	0.0002362	19191	1.5	24	Standard	B1	Health	0.09775	7%	390900	4757000		
75-56-9	Propylene oxide	0.0002362	19191	150	24	URT	URT	URT	0.09775	0%	390900	4757000		
75-65-0	tert-Butyl alcohol	0.005514	19191	30300	24	Guideline	B1	Health	0.4814	0%	390800	4757000		
75-83-2	2,2-Dimethyl Butane - 22-DM-C4	1.643	19191	1750	24	SL-JSL	B2	Health	143.5	8%	390800	4757000		
77-73-6	Dicyclopentadiene	0.003586	19191	135	24	SL-JSL	B2	Health	0.313	0%	390800	4757000		
77-78-1	dimethyl sulfate	0.00628	19191	2.5	24	SL-JSL	B2	Health	0.5482	22%	390800	4757000		
78-78-4	Iso-Pentane - 2-ME-C4	0.684	19191	35500	24	SL-JSL	B2	Health	55.25	0%	390800	4757000		
78-79-5	Isoprene	0.3892	19191	60	24	SL-JSL	B2	Health	33.97	57%	390800	4757000		
78-83-1	i-Butyl alcohol	0.3013	19191	2340	0.1667	Standard	B1	Health	67.12	3%	390700	4757000		
78-83-1	i-Butyl alcohol	0.1824	19191	4600	24	Standard	B1	Health	10.35	0%	390700	4757000		
78-83-1	i-Butyl alcohol	0.1824	19191	16000	24	URT	URT	URT	10.35	0%	390700	4757000		
78-92-2	sec-Butyl alcohol	0.003928	19191	1500	24	SL-JSL	B2	Health	0.3429	0%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
78-93-3	Methyl ethyl ketone	0.6729	19191	1000	24	Standard	B1	Health	77.03	8%	390900	4757000		
78-93-3	Methyl ethyl ketone	0.6729	19191	10000	24	URT	URT	URT	77.03	1%	390900	4757000		
79-29-8	2,3-dimethylbutane	0.09432	19191	1750	24	SL-JSL	B2	Health	8.233	0%	390800	4757000		
80-62-6	Methyl methacrylate	0.02894	19191	860	24	Guideline	B1	Odour	9.707	1%	390900	4757000		
90-12-0	1-Methyl naphthalene	0.004791	19191	35.5	24	SL-JSL	B2	Health	0.4182	1%	390800	4757000		
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	0.0001661	19191	35	24	SL-JSL	B2	Health	0.009796	0%	390700	4757000		
91-22-5	Quinoline	0.00006029	19191	0.005	24	SL-JSL	B2	Health	0.0042	84%	390800	4757000	a	
91-57-6	2-Methyl naphthalene	0.0004625	19191	35.5	24	SL-JSL	B2	Health	0.04038	0%	390800	4757000		
95-13-6	Indene - INDENE	0.000455	19191	120	24	SL-JSL	B2	Health	0.03972	0%	390800	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	19191	220	24	Standard	B1	Health	8.762	4%	390700	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	19191	2200	24	URT	URT	URT	8.762	0%	390700	4757000		
96-14-0	PENTANE, 3-METHYL-	0.2338	19191	1750	24	SL-JSL	B2	Health	20.41	1%	390800	4757000		
96-29-7	2-butanone	0.001893	19191	12.5	24	SL-JSL	B2	Health	0.5551	4%	390900	4757000		
96-37-7	Methyl cyclopentane	0.04441	19191	3500	24	SL-JSL	B2	Health	3.876	0%	390800	4757000		
98-00-0	Furfuryl Alcohol	0.003934	19191	1000	24	Standard	B1	Health	0.3434	0%	390800	4757000		
98-29-3	4-Tert-butylcatechol	0.0004283	19191	10	24	SL-JSL	B2	Health	0.03739	0%	390800	4757000		
98-54-4	4-tert-Butylphenol	0.001261	19191	1.9	24	SL-JSL	B2	Health	0.4093	22%	390900	4757000		
98-82-8	Isopropyl benzene	0.003074	19191	400	24	Standard	B1	Health	0.2684	0%	390800	4757000		
100-40-3	Dimers	0.0006483	19191	5	24	SL-JSL	B2	Health	0.0566	1%	390800	4757000		
100-41-4	Ethylbenzene	0.6833	19191	1900	0.1667	Guideline	B1	Health	549.2	29%	390900	4757000		
100-41-4	Ethylbenzene	0.4137	19191	1000	24	Standard	B1	Health	57.69	6%	390900	4757000		
100-41-4	Ethylbenzene	0.4137	19191	10000	24	URT	URT	URT	57.69	1%	390900	4757000		
100-42-5	Styrene	0.003785	19191	400	24	Standard	B1	Health	0.3304	0%	390800	4757000		
100-51-6	Benzyl alcohol	1.087	19191	880	24	Guideline	B1	Health	66.19	8%	390700	4757000		
101-81-5	Diphenylmethane	0.002881	19191	6.25	24	SL-JSL	B2	Health	0.2515	4%	390800	4757000		
102-25-0	1,3,5-Triethylbenzene	0.002878	19191	122.5	24	SL-JSL	B2	Health	0.2512	0%	390800	4757000		
103-23-1	Di-ethylhexyladipate	0.003136	19191	60	24	SL-JSL	B2	Health	0.2738	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	19191	120	24	SL-MD	B2	Health & Partic	0.1005	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	19191	120	24	SL-MD	B2	Health & Partic	0.1005	0%	390800	4757000		
103-65-1	n-Propyl Benzene - N-C3-BEN	0.1201	19191	1250	24	SL-JSL	B2	Health	10.48	1%	390800	4757000		
104-43-8	4-DODECYLPHENOL	0.000946	19191		24				0.08258	Neg	390800	4757000		
104-78-9	N,N-Diethyl-1,3-propanediamine	0.05573	19191	65	24	SL-JSL	B2	Health	3.47	5%	390700	4757000		
105-05-5	p-Diethylbenzene	0.03148	19191	125	24	SL-JSL	B2	Health	2.748	2%	390800	4757000		
106-89-8	Epichlorohydrin	0.0009688	19191	4	24	SL-JSL	B2	Health	0.4274	11%	390900	4757000		
106-97-8	Butane	4.246	19191	3550	24	SL-JSL	B2	Health	184.1	5%	390800	4757000		
106-98-9	1-Butene - 1-BUTENE	0.6201	19191	7000	24	SL-JSL	B2	Health	18.68	0%	390800	4757000		
106-99-0	1,3-Butadiene	0.597	19191	300	24	SL-DAV	DAV	DAV	47.84	16%	390800	4757000		
106-99-0	1,3-Butadiene	0.597	19191	300	24	URT	URT	URT	47.84	16%	390800	4757000		
106-99-0	1,3-Butadiene	0.597	19191	20	8760	SL-AAV	AAV	AAV	1.512	8%	390800	4757000		
106-99-0	1,3-Butadiene	0.597	19191	2	8760	Standard	B1	Health	1.512	76%	390800	4757000		
107-00-6	1-Butyne	0.004717	19191	0.5	24	SL-JSL	B2	Health	0.4117	82%	390800	4757000		
107-01-7	2-Butene	0.4864	19191	2400	24	SL-JSL	B2	Health	20.3	1%	390800	4757000		
107-21-1	Ethylene Glycol	0.003786	19191	12700	24	Guideline	B1	Health	0.3305	0%	390800	4757000		
107-22-2	Glyoxal	0.01892	19191	2	24	SL-MD	B2	Health	1.652	83%	390800	4757000		
107-31-3	Methyl Formate - ME-FORM	0.3999	19191	600	24	SL-JSL	B2	Health	34.91	6%	390800	4757000		
107-39-1	Diisobutylene	0.003823	19191	0.5	24	SL-JSL	B2	Health	0.3337	67%	390800	4757000		
107-40-4	2,4,4-Trimethyl-2-pentene	0.0008474	19191	285	24	SL-JSL	B2	Health	0.07397	0%	390800	4757000		
107-83-5	2-Methylpentane	0.06546	19191	1750	24	SL-JSL	B2	Health	5.714	0%	390800	4757000		
107-98-2	Propylene glycol methyl ether	3.278	19191	121000	0.1667	Guideline	B1	Odour	796.1	1%	390700	4757000		
108-08-7	2,4-DIMETHYLPENTANE	0.01471	19191	1750	24	SL-JSL	B2	Health	1.284	0%	390800	4757000		
108-10-1	Methyl isobutyl ketone	0.01116	19191	1200	24	Guideline	B1	Odour	4.839	0%	390900	4757000		
108-65-6	Propylene glycol monomethyl ether a	0.00085	19191	5000	24	Guideline	B1	Odour	0.2469	0%	390700	4757000		

Table 4:
Emissions Summary Table
(July 24, 2024)

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	19191	220	24	Standard	B1	Health	5.428	2%	390700	4757000		
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	19191	2200	24	URT	URT	URT	5.428	0%	390700	4757000		
108-87-2	Methylcyclohexane - ME-CYCC6	0.007054	19191	8050	24	SL-JSL	B2	Health	0.6158	0%	390800	4757000		
108-88-3	Toluene	0.6097	19191	2000	24	Guideline	B1	Odour	241.7	12%	390900	4757000		
108-94-1	Cyclohexanone - CC6-KET	0.2166	19191	400	24	SL-JSL	B2	Health	23.12	6%	390700	4757000		
108-95-2	Phenol	0.001323	19191	30	24	Standard	B1	Health	0.07804	0%	390700	4757000		
108-95-2	Phenol	0.001323	19191	300	24	URT	URT	URT	0.07804	0%	390700	4757000		
109-66-0	n-Pentane - N-C5	0.8908	19191	35500	24	SL-JSL	B2	Health	41.41	0%	390800	4757000		
109-67-1	1-Pentene - 1-PENTEN	0.07426	19191	2050	24	SL-JSL	B2	Health	6.482	0%	390800	4757000		
109-68-2	2-pentene	0.0009807	19191		24				0.08561	Neg	390800	4757000		
110-02-1	Thiophene	0.01179	19191	28.5	24	SL-JSL	B2	Health	1.029	4%	390800	4757000		
110-43-0	2-Heptanone - C7-KET-2	0.01344	19191	4600	24	Guideline	B1	Health	2.505	0%	390700	4757000		
110-54-3	n-Hexane	0.3807	19191	2500	24	Standard	B1	Health	16.69	1%	390800	4757000		
110-54-3	n-Hexane	0.3807	19191	25000	24	URT	URT	URT	16.69	0%	390800	4757000		
110-82-7	Cyclohexane	0.01323	19191	6100	24	Standard	B1	Health	1.155	0%	390800	4757000		
110-82-7	Cyclohexane	0.01323	19191	61000	24	URT	URT	URT	1.155	0%	390800	4757000		
111-46-6	Diethylene glycol	0.003966	19191	1000	24	SL-JSL	B2	Health	0.3462	0%	390800	4757000		
111-65-9	n-Octane	0.01808	19191	61800	0.1667	Guideline	B1	Odour	2.982	0%	390900	4757000		
111-66-0	1-Octene	0.002584	19191	50000	24	Guideline	B1	Health	0.2255	0%	390800	4757000		
111-67-1	Octene-2	0.0006086	19191		24				0.05313	Neg	390800	4757000		
111-76-2	2-Butoxy ethanol	0.3019	19191	500	0.1667	Guideline	B1	Odour	89	18%	390900	4757000		
111-76-2	2-Butoxy ethanol	0.1828	19191	2400	24	Guideline	B1	Health	10.13	0%	390700	4757000		
111-77-3	Diethylene Glycol Methyl Ether	0.002794	19191	1200	24	Guideline	B1	Health	0.2439	0%	390800	4757000		
111-84-2	n-Nonane	0.0001852	19191	5250	24	SL-JSL	B2	Health	0.01617	0%	390800	4757000		
112-07-2	2-Butoxyethyl acetate	0.02337	19191	700	0.1667	Guideline	B1	Odour	3.855	1%	390900	4757000		
112-07-2	2-Butoxyethyl acetate	0.01415	19191	3250	24	Guideline	B1	Health	1.235	0%	390800	4757000		
112-88-9	1-Octadecene	0.02387	19191	285	24	SL-JSL	B2	Health	2.084	1%	390800	4757000		
115-07-1	Propylene	3.049	19191	4000	24	Standard	B1	Health	133.2	3%	390800	4757000		
115-07-1	Propylene	3.049	19191	40000	24	URT	URT	URT	133.2	0%	390800	4757000		
115-11-7	Isobutene - ISOBUTEN	3.659	19191	7000	24	SL-JSL	B2	Health	159.9	2%	390800	4757000		
115-86-6	Triphenyl Phosphate	6.901E-06	19191	35.5	24	SL-JSL	B2	Health	0.0004297	0%	390700	4757000		
119-61-9	Benzophenone	0.0001276	19191	1	24	SL-JSL	B2	Health	0.007524	1%	390700	4757000		
119-61-9	Benzophenone	0.0001276	19191	1	24	SL-JSL	B2	Health	0.007524	1%	390700	4757000		
122-39-4	Diphenylamine	0.000121	19191	17.5	24	Guideline	B1	Health	0.001691	0%	390700	4757000		
123-39-7	n-methylformamide	0.003256	19191	5.5	24	SL-JSL	B2	Health	0.2843	5%	390800	4757000		
123-86-4	n-Butyl acetate	0.01602	19191	1000	0.1667	Guideline	B1	Odour	14.12	1%	390600	4757000		
123-86-4	n-Butyl acetate	0.009699	19191	15000	1	Guideline	B1	Health	8.551	0%	390600	4757000		
124-09-4	Hexamethylenediamine	0.003068	19191	16	24	Guideline	B1	Health	0.2678	2%	390800	4757000		
124-18-5	n-Decane	0.00791	19191	60000	1	Guideline	B1	Health & Odou	1.305	0%	390900	4757000		
124-38-9	Carbon Dioxide	0.6145	19191	255800	24	SL-PA	B2	Health	46.82	0%	390900	4757000		
124-40-3	Dimethylamine	2.078	19191	1840	1	Guideline	B1	Health & Odou	342.7	19%	390900	4757000		
135-01-3	o-Diethylbenzene	0.03148	19191	125	24	SL-JSL	B2	Health	2.748	2%	390800	4757000		
136-52-7	Cobalt 2-ethylhexanoate	0.00002479	19191	0.6	24	SL-MD	B2	Health	0.007038	1%	390900	4757000		
141-32-2	Butyl acrylate	0.0004601	19191	120	24	Guideline	B1	Particulate	0.04017	0%	390800	4757000		
142-29-0	Cyclopentene - CYC-PNTE	0.08585	19191	25	24	SL-JSL	B2	Health	7.494	30%	390800	4757000		
142-82-5	n-heptane	0.002196	19191	11000	24	Standard	B1	Health	0.1917	0%	390800	4757000		
147-14-8	Phthalocyanine Blue Pigment	0.00000105	19191	105	24	SL-JSL	B2	Health	0.00006535	0%	390700	4757000		
287-92-3	Cyclopentane - CYCC5	1.719	19191	1700	24	SL-JSL	B2	Health	150	9%	390800	4757000		
463-49-0	1,2-Propadiene	0.04684	19191	4.95	24	SL-JSL	B2	Health	4.089	83%	390800	4757000		
464-06-2	2,2,3-Trimethylbutane	0.02495	19191	175	24	SL-JSL	B2	Health	2.178	1%	390800	4757000		
471-34-1	Carbonic acid calcium salt (1:1)	0.0002268	19191	15	24	SL-JSL	B2	Health & Partic	0.06933	0%	390900	4757000		
504-60-9	1-methylbutadiene (1,3-pentadiene)	0.04647	19191	100	24	SL-JSL	B2	Health	4.057	4%	390800	4757000		

Table 4:
Emissions Summary Table
(July 24, 2024)

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
513-35-9	2-Methyl-2-Butene - 2M-2-BUT	0.0555	19191	530	24	SL-JSL	B2	Health	4.845	1%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	19191	220	24	Standard	B1	Health	0.01124	0%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	19191	2200	24	URT	URT	URT	0.01124	0%	390800	4757000		
538-93-2	Isobutyl benzene	0.002878	19191	62.5	24	SL-JSL	B2	Health	0.2512	0%	390800	4757000		
540-84-1	2,2,4-Trimethyl Pentane - 224TM-C5	0.007353	19191	1750	24	SL-JSL	B2	Health	0.6419	0%	390800	4757000		
542-92-7	Cyclopentadiene - CYC-PNDE	0.04928	19191	1000	24	SL-JSL	B2	Health	4.302	0%	390800	4757000		
562-49-2	3,3-DIMETHYLPENTANE	0.0009461	19191		24				0.08259	Neg	390800	4757000		
563-45-1	3-Methylbutene	0.1271	19191	1115	24	SL-JSL	B2	Health	5.552	0%	390800	4757000		
565-59-3	2,3-DIMETHYLPENTANE	0.01817	19191	1750	24	SL-JSL	B2	Health	1.586	0%	390800	4757000		
589-34-4	3-METHYLHEXANE	0.01047	19191	1535	24	SL-JSL	B2	Health	0.9137	0%	390800	4757000		
590-18-1	cis-2-Butene	0.5671	19191	2400	24	SL-JSL	B2	Health	49.5	2%	390800	4757000		
590-19-2	1,2-Butadiene	0.04684	19191	4.95	24	SL-JSL	B2	Health	4.088	83%	390800	4757000		
590-35-2	2, 2-DIMETHYLPENTANE	0.1605	19191	175	24	SL-JSL	B2	Health	14.01	8%	390800	4757000		
591-76-4	HEXANE, 2-METHYL-	0.01105	19191	1535	24	SL-JSL	B2	Health	0.9642	0%	390800	4757000		
592-41-6	1-Hexene	0.1746	19191	850	24	SL-JSL	B2	Health	15.24	2%	390800	4757000		
592-57-4	1,3-Cyclohexadiene	0.0009421	19191		24				0.08224	Neg	390800	4757000		
598-25-4	3-Methyl-1,2-butadiene	0.04684	19191	4.95	24	SL-JSL	B2	Health	4.088	83%	390800	4757000		
598-53-8	methyl isopropyl ether	0.0149	19191	125	24	SL-JSL	B2	Health	6.573	5%	390900	4757000		
612-00-0	Benzene, 1,1'-ethylidenebis-	0.01296	19191	3.5	24	SL-JSL	B2	Health	1.131	32%	390800	4757000		
612-00-0	Benzene, 1,1'-ethylidenebis-	0.01296	19191	3.5	24	SL-JSL	B2	Health	1.131	32%	390800	4757000		
616-38-6	Dimethyl carboate	0.0009563	19191	920	24	SL-MD	B2	Health	0.2778	0%	390700	4757000		
624-64-6	trans-2-Butene	0.5671	19191	2400	24	SL-JSL	B2	Health	49.5	2%	390800	4757000		
629-73-2	1-Hexadecene	0.02366	19191	85	24	SL-JSL	B2	Health	2.066	2%	390800	4757000		
635-81-4	1,2,4,5-Tetraethylbenzene	0.005211	19191	122.5	24	SL-JSL	B2	Health	0.4549	0%	390800	4757000		
637-92-3	Ethyl t-Butyl Ether - ETBE	0.2287	19191	1250	24	SL-JSL	B2	Health	19.96	2%	390800	4757000		
689-97-4	1-Buten-3-yne	0.5288	19191	820	24	SL-JSL	B2	Health	46.16	6%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	19191	0.20299	24	Submitted in			0.203	100%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	19191	0.20299	24	Submitted in			0.203	100%	390800	4757000		
827-52-1	Cyclohexylbenzene	0.002878	19191	0.5	24	SL-JSL	B2	Health	0.2512	50%	390800	4757000		
872-05-9	1-Decene - 1-C10E	0.0004139	19191	60000	24	Guideline	B1	Health	0.03613	0%	390800	4757000		
877-44-1	1,2,4-Triethylbenzene	0.002878	19191	122.5	24	SL-JSL	B2	Health	0.2512	0%	390800	4757000		
994-05-8	Methyl t-Amyl Ether - MTAE	0.01211	19191	400	24	SL-JSL	B2	Health	1.057	0%	390800	4757000		
1120-21-4	Undecane	0.0004454	19191	175	24	SL-JSL	B2	Health	0.03888	0%	390800	4757000		
1120-36-1	1-Tetradecene	0.09504	19191	500	24	SL-JSL	B2	Health	8.296	2%	390800	4757000		
1241-94-7	Phosphoric acid 2-ethylhexyl dipheny	0.0000963	19191	5	24	SL-JSL	B2	Health	0.005996	0%	390700	4757000		
1317-61-9	Iron oxide (Fe3O4)	0.0004536	19191	25	24	SL-MD	B2	Health & Soilin	0.1387	1%	390900	4757000		
1317-65-3	Limestone	0.007222	19191	15	24	SL-JSL	B2	Health & Partic	0.4259	3%	390700	4757000		
1319-77-3	Cresol (mixed isomers)	0.0004798	19191	75	24	Standard	B1	Health	0.04189	0%	390800	4757000		
1330-20-7	Xylene	2.613	19191	3000	0.1667	Guideline	B1	Health	1730	58%	390900	4757000		
1330-20-7	Xylene	1.582	19191	730	24	Standard	B1	Health	184.5	25%	390900	4757000		
1330-20-7	Xylene	1.582	19191	7300	24	URT	URT	URT	184.5	3%	390900	4757000		
1332-58-7	Aluminum Silicate Hydrate	0.001382	19191	10	24	SL-JSL	B2	Health	0.2234	2%	390900	4757000		
1333-86-4	Pigment Black 7	0.000476	19191	10	24	Standard	B1	Soiling	0.1294	1%	390900	4757000		
1336-21-6	Ammonium hydroxide	0.08694	19191	500	24	SL-JSL	B2	Health	7.589	2%	390800	4757000		
1344-28-1	Aluminum oxide	0.00003024	19191	120	24	Guideline	B1	Particulate	0.009244	0%	390900	4757000		
1477-55-0	m-Xylylenediamine	0.0002255	19191	1	24	SL-MD	B2	Health	0.01319	1%	390700	4757000		
1574-41-0	Cis-1,3-pentadiene	0.04087	19191	100	24	SL-JSL	B2	Health	3.568	4%	390800	4757000		
1632-16-2	Heptane, 3-methylene-	0.005395	19191	170	24	SL-JSL	B2	Health	0.471	0%	390800	4757000		
1634-04-4	Methyl tert-butyl ether	0.3025	19191	7000	24	Guideline	B1	Health	26.4	0%	390800	4757000		
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]prop	0.01298	19191	120	24	SL-PA	B2	Health	0.7307	1%	390700	4757000		
1761-71-3	Cycloaliphatic amine	0.007992	19191	30	24	SL-JSL	B2	Health	3.491	12%	390900	4757000		
2004-70-8	trans-1,3 pentadiene	0.004463	19191	90	24	SL-JSL	B2	Health	0.3896	0%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
2215-35-2	Zinc O,O',O',O'-tetrakis(1,3-dimethylb	0.0008282	19191	120	24	SL-MD	B2	Health & Partic	0.0723	0%	390800	4757000		
2530-83-8	Glycidoxypropyltrimethoxysilane	0.06901	19191	111	24	SL-PA	B2	Health	4.297	4%	390700	4757000		
2855-13-2	Isophorone Diamine	0.0007746	19191	19	24	SL-JSL	B2	Health	0.04823	0%	390700	4757000		
3404-75-9	3-methyl-2-heptene	0.0006694	19191		24				0.05844	Neg	390800	4757000		
4259-15-8	zinc dialkyl dithiophosphate	0.001361	19191	120	24	SL-MD	B2	Health & Partic	0.1188	0%	390800	4757000		
6842-15-5	Propylene Tetramers	0.001352	19191	22	24	SL-JSL	B2	Health	0.118	1%	390800	4757000		
7320-34-5	Tetrapotassium pyrophosphate	0.0001158	19191	50	24	SL-PA	B2	Health	0.1165	0%	390800	4757000		
7429-90-5	Aluminum	0.001749	19191	12	24	SL-JSL	B2	Health	0.5215	4%	390900	4757000		
7439-89-6	Iron	0.0004155	19191	4	24	Standard	B1	Health	0.1147	3%	390900	4757000		
7439-93-2	Lithium	0.00001983	19191	20	24	Standard	B1	Health	0.006062	0%	390900	4757000		
7439-95-4	Magnesium	0.00009174	19191	72	24	SL-MD	B2	Health	0.02783	0%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0001566	19191	0.4	24	Standard	B1	Health	0.04771	12%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0001566	19191	4	24	URT	URT	URT	0.04771	1%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00002782	19191	2	24	SL-DAV	DAV	DAV	0.008505	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00002782	19191	2	24	URT	URT	URT	0.008505	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00002782	19191	0.04	8760	SL-AAV	AAV	AAV	0.0009859	2%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00002782	19191	0.4	8760	Standard	B1	Health	0.0009859	0%	390900	4757000		
7440-09-7	Potassium	0.0003304	19191	10	24	SL-JSL	B2	Health	0.08555	1%	390900	4757000		
7440-21-3	Silicon	0.002639	19191	27	24	SL-PA	B2	Health	0.2148	1%	390900	4757000		
7440-32-6	Titanium	0.0106	19191	120	24	Standard	B1	Particulate	3.086	3%	390900	4757000		
7440-39-3	Barium	0.000196	19191	10	24	Guideline	B1	Health	0.01221	0%	390700	4757000		
7440-44-0	Carbon	8.563E-07	19191	15	24	SL-JSL	B2	Health	0.0003394	0%	390700	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.00007923	19191	0.5	24	Standard	B1	Health	0.02422	5%	390900	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.00007923	19191	5	24	URT	URT	URT	0.02422	0%	390900	4757000		
7440-48-4	Cobalt	7.379E-06	19191	0.1	24	Guideline	B1	Health	0.002096	2%	390900	4757000		
7440-50-8	Copper	0.000103	19191	50	24	Standard	B1	Health	0.03143	0%	390900	4757000		
7440-66-6	Zinc	0.00001623	19191	120	24	Standard	B1	Particulate	0.004646	0%	390900	4757000		
7440-67-7	Zirconium (and compounds)	3.024E-06	19191	25	24	SL-JSL	B2	Health	0.0009244	0%	390900	4757000		
7446-09-5	Sulphur dioxide	0.01103	19191	100	1	Standard	B1	Health & Veget	1.819	2%	390900	4757000		
7446-09-5	Sulphur dioxide	0.01103	19191	100	1	URT	URT	Health	1.819	2%	390900	4757000		
7446-09-5	Sulphur dioxide	0.01103	19191	275	24	Standard	B1	Health & Veget	0.9629	0%	390800	4757000		
7447-40-7	Potassium Chloride	0.0004536	19191	20	24	SL-PA	B2	Health	0.1387	1%	390900	4757000		
7631-86-9	Silicon dioxide	0.0008521	19191	5	24	SL-MD	B2	Health	0.2497	5%	390900	4757000		
7642-15-1	Cis-4-octene	0.0006644	19191		24				0.058	Neg	390800	4757000		
7647-14-5	Sodium chloride (NaCl)	0.0004536	19191	15	24	SL-JSL	B2	Health & Partic	0.1387	1%	390900	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	19191	7	24	Standard	B1	Health	0.1508	2%	390800	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	19191	70	24	URT	URT	URT	0.1508	0%	390800	4757000		
7664-41-7	Ammonia	0.7531	19191	100	24	Standard	B1	Health	18.66	19%	390800	4757000		
7664-41-7	Ammonia	0.7531	19191	1000	24	URT	URT	URT	18.66	2%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	19191	5	24	Standard	B1	Health	0.5218	10%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	19191	15	24	URT	URT	URT	0.5218	3%	390800	4757000		
7722-84-1	Hydrogen peroxide	0.004442	19191	30	24	Guideline	B1	Health	0.3877	1%	390800	4757000		
7723-14-0	Phosphorus	0.00004484	19191	0.5	24	SL-MD	B2	Health	0.03377	7%	390800	4757000		
7727-43-7	Barium Sulphate	0.0003332	19191	25	24	SL-JSL	B2	Health	0.02075	0%	390700	4757000		
7779-90-0	Zinc Phosphate	0.00001778	19191	1	24	SL-JSL	B2	Health	0.006884	1%	390900	4757000		
7783-06-4	Hydrogen sulphide	0.08095	19191	13	0.1667	Standard	B1	Odour	11.19	86%	390900	4757000		
7783-06-4	Hydrogen sulphide	0.04901	19191	7	24	Standard	B1	Health	3.58	51%	390800	4757000		
7783-06-4	Hydrogen sulphide	0.04901	19191	70	24	URT	URT	URT	3.58	5%	390800	4757000		
7784-18-1	Aluminum Fluoride	0.0000756	19191		24				0.02311	Neg	390900	4757000		
7789-24-4	Lithium Fluoride	0.0000756	19191		24				0.02311	Neg	390900	4757000		
7789-75-5	Calcium fluoride	0.0001512	19191		24				0.04622	Neg	390900	4757000		
8002-05-9	motor oil	0.3389	19191	175	24	SL-JSL	B2	Health	29.58	17%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
8006-61-9	Light Petroleum Distillate	0.03208	19191	1400	24	SL-JSL	B2	Health	2.8	0%	390800	4757000		
8008-20-6	Kerosene	0.001408	19191	375	24	SL-MD	B2	Health	0.1229	0%	390800	4757000		
8042-47-5	White Mineral Oil (petroleum)	0.00567	19191	120	24	SL-MD	B2	Health & Partic	1.647	1%	390700	4757000		
8052-41-3	Stoddard solvent (Mineral Spirits)	0.04849	19191	2600	24	Standard	B1	Health	8.851	0%	390900	4757000		
8052-42-4	Asphalt	6.435E-06	19191	2.5	24	SL-MD	B2	Health	0.002981	0%	390900	4757000		
9003-13-8	Polyoxypropylene glycol ether	0.001602	19191	120	24	SL-MD	B2	Health & Partic	0.1399	0%	390800	4757000		
9046-10-0	polyoxypropylenediamine	0.001696	19191	9	24	SL-JSL	B2	Health	0.1	1%	390700	4757000		
10102-44-0	Nitrogen oxides	3.082	19191	400	1	Standard	B1	Health	131.7	33%	390800	4757000		
10102-44-0	Nitrogen oxides	3.082	19191	200	24	Standard	B1	Health	74.53	37%	390800	4757000		
10192-32-2	1-Tetracosene	0.005377	19191	120	24	SL-JSL	B2	Health	0.4693	0%	390800	4757000		
10213-79-3	sodium metasilicate pentahydrate	0.00003473	19191	15	24	SL-JSL	B2	Health & Partic	0.03495	0%	390800	4757000		
12001-26-2	Mica-group minerals	0.00008329	19191	15	24	SL-JSL	B2	Health	0.005186	0%	390700	4757000		
13463-67-7	Titanium Dioxide (TiO2)	0.0174	19191	34	24	Guideline	B1	Health	5.065	15%	390900	4757000		
13475-82-6	Isododecane	0.000946	19191		24				0.08258	Neg	390800	4757000		
13775-52-5	Aluminate(3-), hexafluoro-, tripotassiu	0.0000756	19191		24				0.02311	Neg	390900	4757000		
13821-20-0	Lithium Hexafluoraluminate	0.0001512	19191		24				0.04622	Neg	390900	4757000		
14228-73-0	bis[(2,3-Epoxypropoxy) methyl] cyclo	0.01844	19191	15	24	SL-JSL	B2	Health & Partic	8.055	54%	390900	4757000		
14807-96-6	Talc	0.00004465	19191	2	24	Guideline	B1	Health	0.01268	1%	390900	4757000		
15096-52-3	Cyrolite	0.0000756	19191		24				0.02311	Neg	390900	4757000		
16368-97-1	Phosphoric acid, bis(2-ethylhexyl) phe	0.00000105	19191	5	24	SL-JSL	B2	Health	0.00006535	0%	390700	4757000		
21645-51-2	Aluminium hydroxide	2.099E-06	19191	30	24	SL-PA	B2	Health	0.0001307	0%	390700	4757000		
25013-15-4	Vinyl Toluene	0.006025	19191	1210	24	SL-JSL	B2	Health	0.526	0%	390800	4757000		
25036-25-3	Epoxy resin (700<MW<=1100)	0.002094	19191	120	24	SL-MD	B2	Health & Partic	0.1235	0%	390700	4757000		
25068-38-6	bisphenol A-(epichlorhydrin) epoxy re	0.006105	19191	120	24	SL-MD	B2	Health & Partic	0.36	0%	390700	4757000		
25085-99-8	2-2'-bisoxirane homopolymer	0.0005147	19191	120	24	SL-MD	B2	Health & Partic	0.03205	0%	390700	4757000		
25154-52-3	nonylphenol	0.0001696	19191	30	24	SL-JSL	B2	Health	0.01	0%	390700	4757000		
25167-67-3	Butene	2.033	19191	700	24	SL-JSL	B2	Health	88.83	13%	390800	4757000		
25321-13-5	Cyclopentadiene	0.0004285	19191		24				0.0374	Neg	390800	4757000		
25377-72-4	Pentene	0.0002924	19191		24				0.02552	Neg	390800	4757000		
25377-83-7	Octene (mixed isomers)	0.02646	19191	2.30944	24	Submitted ir			2.309	100%	390800	4757000		
25550-14-5	Ethyltoluenes	0.0004094	19191	0.5	24	SL-JSL	B2	Health	0.03574	7%	390800	4757000		
25551-13-7	Trimethylbenzene	0.0009459	19191		24				0.08257	Neg	390800	4757000		
25620-58-0	2,2,4- and 2,4,4- trimethylhexamethy	0.1696	19191	16	24	SL-MD	B2	Health	10	63%	390700	4757000		
26139-75-3	Polymer, formaldehyde with 1,3-dime	0.01045	19191	4.56449	24	Submitted ir			4.565	100%	390900	4757000		
26761-45-5	2,3-Epoxypropyl ester neodecanoic ac	0.0003402	19191	3	24	SL-PA	B2	Health	0.02001	1%	390700	4757000		
27193-86-8	Alkylphenol	0.0251	19191	60	24	SL-JSL	B2	Health	2.191	4%	390800	4757000		
27253-31-2	Cobalt Neodecanoate	0.0005678	19191	0.7	24	SL-MD	B2	Health	0.1665	24%	390900	4757000		
28064-14-4	Phenol - formaldehyde Novalac	0.0007281	19191	120	24	SL-MD	B2	Health & Partic	0.04534	0%	390700	4757000		
28553-12-0	Diisononyl Phthalate	0.0105	19191	25	24	SL-JSL	B2	Health	0.6535	3%	390700	4757000		
28729-52-4	1,1,2-dimethylcyclopentane	0.00473	19191	0.5	24	SL-JSL	B2	Health	0.4129	83%	390800	4757000		
37251-69-7	Alkyl Phenol Ethoxylate Propoxylate	0.001469	19191	0.12825	24	Submitted ir			0.1282	100%	390800	4757000		
38640-62-9	bis(isopropyl)naphthalene	0.00305	19191	60	24	SL-JSL	B2	Health	0.2662	0%	390800	4757000		
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl	0.00013	19191	0.5	24	SL-JSL	B2	Health	0.007666	2%	390700	4757000		
61141-66-0	3,4-Diethyl-1,1'biphenyl	0.0008959	19191		24				0.07821	Neg	390800	4757000		
61788-59-8	Fatty-acids, coco, Me esters	0.0008026	19191	50	24	SL-JSL	B2	Health	0.07006	0%	390800	4757000		
61788-61-2	fatty acids, tallow, me esters	0.000917	19191		24				0.08005	Neg	390800	4757000		
61789-60-4	Pitch	0.0009461	19191		24				0.08259	Neg	390800	4757000		
61789-97-7	Tallow	0.004149	19191	0.36217	24	Submitted ir			0.3622	100%	390800	4757000		
61791-10-4	quaternary coco alkylamine ethoxylat	0.00003473	19191		24				0.03495	Neg	390800	4757000		
64741-44-2	Distillates, petroleum, Straight run mi	0.003657	19191	120	24	SL-MD	B2	Health & Partic	0.3192	0%	390800	4757000		
64741-45-3	Residues (petroleum), atm. Tower	0.001695	19191	0.148	24	Submitted ir			0.148	100%	390800	4757000		a
64741-47-5	Natural gas condensates (petroleum)	0.4097	19191	175	24	SL-JSL	B2	Health	35.76	20%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
64741-48-6	Natural gas (petroleum), raw liq. mix	0.07025	19191		24					Neg	390900	4757000		a
64741-57-7	Gas Oils (petroleum), heavy vacuum	0.00208	19191	175	24	SL-JSL	B2	Health	0.1816	0%	390800	4757000		a
64741-58-8	Light vacuum gas oil (petroleum)	0.002274	19191	175	24	SL-JSL	B2	Health	0.1985	0%	390800	4757000		
64741-59-9	Light catalytic cracked distillate	0.00427	19191	465	24	SL-JSL	B2	Health	0.3727	0%	390800	4757000		
64741-60-2	Intermediate catalytic cracked distillate	0.001524	19191	0.13305	24	Submitted ir			0.133	100%	390800	4757000		a
64741-61-3	Distillates (petroleum), heavy catalytic	0.004065	19191	0.35482	24	Submitted ir			0.3548	100%	390800	4757000		
64741-62-4	Catalytic Cracked Clarified Oil	0.005953	19191	60	24	SL-JSL	B2	Health	0.5197	1%	390800	4757000		
64741-63-5	LIGHT CATALYTIC REFORMED NAPHTHA	0.3608	19191	500	24	SL-JSL	B2	Health	31.49	6%	390800	4757000		
64741-65-7	Heavy Alkylate Naphtha	0.0276	19191	2600	24	Standard	B1	Health	5.055	0%	390700	4757000		
64741-66-8	Naphtha, petroleum, light alkylate	0.7901	19191	2600	24	Standard	B1	Health	68.97	3%	390800	4757000		
64741-73-7	Distillates (petroleum), alkylate	0.0009458	19191		24				0.08256	Neg	390800	4757000		
64741-75-9	Residues (Petroleum) hydrocracked	0.001132	19191		24				0.09881	Neg	390800	4757000		
64741-77-1	Light Hydrocracked Distillate (Petroleum)	0.001331	19191	0.11622	24	Submitted ir			0.1162	100%	390800	4757000		
64741-81-7	heavy thermal cracked distillate	0.0006505	19191	75	24	SL-JSL	B2	Health	0.05678	0%	390800	4757000		
64741-88-4	Distillates (petroleum), solvent-refined	0.001713	19191	50	24	SL-JSL	B2	Health	0.1495	0%	390800	4757000		
64741-89-5	Distillates (petroleum), solvent-refined	0.001676	19191	50	24	SL-JSL	B2	Health	0.1463	0%	390800	4757000		
64741-95-3	Solvent deasphalted residual oil	0.001457	19191	0.12719	24	Submitted ir			0.1272	100%	390800	4757000		
64741-96-4	Distillates (petroleum), solvent-refined	0.001583	19191	175	24	SL-JSL	B2	Health	0.1382	0%	390800	4757000		
64741-97-5	Distillates (petroleum), solvent-refined	0.001478	19191	175	24	SL-JSL	B2	Health	0.129	0%	390800	4757000		
64742-01-4	Residual oils (petroleum), solvent-refined	0.001583	19191	74	24	SL-PA	B2	Health	0.1382	0%	390800	4757000		
64742-44-5	Distillate (petroleum), clay-treated heavy	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
64742-45-6	Distillates (petroleum), clay-treated light	0.001457	19191	0.12719	24	Submitted ir			0.1272	100%	390800	4757000		
64742-46-7	Hydrotreated Middle Distillate	0.001457	19191	1750	24	SL-JSL	B2	Health	0.1272	0%	390800	4757000		
64742-47-8	Hydrotreated Light Distillate	0.01377	19191	375	24	SL-JSL	B2	Health	1.859	0%	390700	4757000		
64742-48-9	Hydrotreated Heavy Naphtha	0.02507	19191	2600	24	Standard	B1	Health	5.857	0%	390900	4757000		
64742-49-0	Light aliphatic solvent naphtha	0.007428	19191	1750	24	SL-JSL	B2	Health	2.059	0%	390700	4757000		
64742-52-5	Distillates (petroleum), hydrotreated	0.02169	19191	120	24	SL-MD	B2	Health & Partic	1.893	2%	390800	4757000		
64742-53-6	Distillates (petroleum), hydrotreated	0.00305	19191	500	24	SL-JSL	B2	Health	0.2662	0%	390800	4757000		
64742-54-7	Distillates, petroleum, hydrotreated heavy	0.003031	19191	120	24	SL-MD	B2	Health & Partic	0.2646	0%	390900	4757000		
64742-55-8	Distillate, petroleum, hydrotreated light	0.001525	19191	50	24	SL-JSL	B2	Health	0.1331	0%	390800	4757000		
64742-56-9	Distillates (petroleum), solvent-dewaxed	0.001583	19191	50	24	SL-JSL	B2	Health	0.1382	0%	390800	4757000		
64742-57-0	Residual oils (petroleum), hydrotreated	0.001583	19191	175	24	SL-JSL	B2	Health	0.1382	0%	390800	4757000		
64742-58-1	Lubricating oils, petroleum, hydrotreated	0.001457	19191	0.12719	24	Submitted ir			0.1272	100%	390800	4757000		
64742-62-7	Residual oils, petroleum, solvent-dewaxed	0.003067	19191	50	24	SL-JSL	B2	Health	0.2677	1%	390800	4757000		
64742-63-8	Distillates (petroleum), solvent-dewaxed	0.001583	19191	50	24	SL-JSL	B2	Health	0.1382	0%	390800	4757000		
64742-64-9	Distillates (petroleum), solvent-dewaxed	0.001478	19191	175	24	SL-JSL	B2	Health	0.129	0%	390800	4757000		
64742-65-0	Distillates, petroleum, dewaxed heavy	0.002994	19191	500	24	SL-JSL	B2	Health	0.2614	0%	390900	4757000		
64742-67-2	Foots oil (petroleum)	0.03693	19191	3.2236	24	Submitted ir			3.224	100%	390800	4757000		
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed	0.001457	19191	0.12719	24	Submitted ir			0.1272	100%	390800	4757000		
64742-81-0	Kerosene	0.003192	19191	375	24	SL-JSL	B2	Health	0.2786	0%	390800	4757000		
64742-88-7	Solvent Naphtha Medium Aliphatic	0.06425	19191	2600	24	Standard	B1	Health	14.53	1%	390700	4757000		
64742-89-8	Solvent Naphtha Light Aliphatic	0.01438	19191	2600	24	Standard	B1	Health	3.873	0%	390700	4757000		
64742-94-5	Heavy Aromatic Solvent Naphtha	0.003201	19191	500	24	SL-JSL	B2	Health	0.2755	0%	390800	4757000		
64742-95-6	Light Aromatic Solvent Naphtha	0.1237	19191	500	24	SL-JSL	B2	Health	10.5	2%	390700	4757000		
64743-06-2	Gas oils extracts	0.0007919	19191		24				0.06913	Neg	390800	4757000		
66071-92-9	Ammonium lignosulfonate	0.001035	19191		24				0.09032	Neg	390800	4757000		
67762-26-9	Fatty acids, C14-18 and C16-18-unsaturated	0.0008026	19191		24				0.07006	Neg	390800	4757000		
67762-37-2	Fatty acids, C8-18 and C18-unsaturated, Methyl	0.0008026	19191	50	24	SL-JSL	B2	Health	0.07006	0%	390800	4757000		
67762-38-3	Fatty acids methyl esters	0.001648	19191	50	24	SL-JSL	B2	Health	0.1439	0%	390800	4757000		
67762-39-4	Fatty-acids, C6-12, Me esters	0.0008001	19191	50	24	SL-JSL	B2	Health	0.06984	0%	390800	4757000		
67762-40-7	Fatty-acids, C10-16, Me esters	0.0007494	19191		24				0.06542	Neg	390800	4757000		
67762-90-7	Siloxanes and Silicones, di-ME, reactive	7.347E-06	19191	5	24	SL-PA	B2	Health	0.0004575	0%	390700	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
67784-80-9	Methyl ester, soybean oil	0.001645	19191	80	24	SL-JSL	B2	Health	0.1436	0%	390800	4757000		
67924-34-9	Epoxy Resin	0.00001029	19191	120	24	SL-MD	B2	Health & Partic	0.000641	0%	390700	4757000		
68131-05-5	hydrocarbon oils, process blends	0.001517	19191	0.13245	24	Submitted ir			0.1324	100%	390800	4757000		
68333-26-6	clarified oils (petroleum), hydrodesul	0.001409	19191	0.12296	24	Submitted ir			0.123	100%	390800	4757000	a	
68334-30-5	Fuels, diesel	0.003579	19191	350	24	SL-JSL	B2	Health	0.3125	0%	390800	4757000		
68390-63-6	Fatty-acids, castor oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68410-97-9	Light Hydrocarbon Aliphatic Solvent	0.01095	19191	4	24	SL-MD	B2	Health	0.9557	24%	390800	4757000		
68425-31-0	Natural Gasoline (C5-C8)	0.003208	19191	1400	24	SL-JSL	B2	Health	0.28	0%	390800	4757000		
68439-46-3	Alcohols	0.00005789	19191	30	24	SL-JSL	B2	Health	0.05826	0%	390800	4757000		
68440-46-0	Fatty-acids, sperm oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68476-30-2	Fuel oil No. 2	0.003197	19191	50	24	SL-JSL	B2	Health	0.279	1%	390800	4757000		
68476-33-5	Residual Fuel Oil	0.00489	19191	50	24	SL-JSL	B2	Health	0.4269	1%	390800	4757000	a	
68476-34-6	Diesel Fuel No. 2	0.001517	19191	50	24	SL-JSL	B2	Health	0.1324	0%	390800	4757000		
68476-55-1	hydrocarbons, c5 rich	0.05953	19191	7	24	SL-PA	B2	Health	5.196	74%	390800	4757000		
68476-86-8	Petroleum gases, liquefied, sweetene	0.007796	19191	3.16919	24	Submitted ir			3.168	100%	390900	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	19191	6.19227	24	Submitted ir			6.192	100%	390800	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	19191	6.19227	24	Submitted ir			6.192	100%	390800	4757000		
68478-08-0	Naphtha, petroleum, light steam-crac	0.03678	19191	13.5	24	SL-JSL	B2	Health	3.211	24%	390800	4757000		
68478-17-1	Residues (petroleum), heavy coker ga	0.001593	19191	0.13906	24	Submitted ir			0.1391	100%	390800	4757000	a	
68512-62-9	residues (petroleum), light vacuum	0.001204	19191		24				0.1051		390800	4757000	a	
68513-65-5	Alkanes, C4	0.0261	19191	2.2781	24	Submitted ir			2.278	100%	390800	4757000		
68515-43-5	1,2-Benzenedicarboxylic acid	0.003306	19191	120	24	SL-MD	B2	Health & Partic	0.2886	0%	390800	4757000		
68515-73-1	Propriery mix of alkyl glycoside and n	0.008611	19191	3.79897	24	Submitted ir			3.799	100%	390900	4757000		
68515-81-1	Nonanol, branched and linear	0.002848	19191	75	24	SL-JSL	B2	Health	0.2486	0%	390800	4757000		
68526-55-6	Nonene	1.014	19191	170	24	SL-JSL	B2	Health	14.17	8%	390700	4757000		
68526-58-9	Alkenes, C11-13, C12-rich	0.001346	19191	0.11754	24	Submitted ir			0.1175	100%	390800	4757000		
68553-00-4	FCCU Slurry, bunker fuel oil, bunker #	0.001441	19191	0.12583	24	Submitted ir			0.1258	100%	390800	4757000	a	
68584-23-6	Benzenesulfonic acid	0.0009461	19191		24				0.08258	Neg	390800	4757000		
68605-02-7	Fatty-acids, fish oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68605-14-1	Fatty-acids, safflower oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68606-26-8	Hydrocarbons, C3	0.001994	19191	0.17408	24	Submitted ir			0.1741	100%	390800	4757000		
68609-08-5	Cyclohexanemethanamine, 5-amino-	0.0003306	19191	15	24	SL-JSL	B2	Health & Partic	0.02059	0%	390700	4757000		
68609-97-2	(C12-C14) Alkylglycidylether	0.002544	19191	120	24	SL-MD	B2	Health & Partic	0.15	0%	390700	4757000		
68647-50-7	Fatty acids, C16 and C18-unsatd., Me	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68814-87-9	Full Range Straight Run Middle Distilla	0.0823	19191	7.18404	24	Submitted ir			7.184	100%	390800	4757000		
68915-96-8	Heavy Atmospheric Gas Oil	0.003791	19191	0.33093	24	Submitted ir			0.3309	100%	390800	4757000		
68919-39-1	NATURAL GAS CONDENSATE C2-8	0.02258	19191	175	24	SL-JSL	B2	Health	1.971	1%	390800	4757000		
68919-53-9	Fatty-acids, soya, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68919-54-0	Fatty acids, sunflower-oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68921-67-5	Hydrocarbons, ethylene-manufacture	0.02059	19191	3.2	24	SL-JSL	B2	Health	1.798	56%	390800	4757000		
68937-80-4	Fatty acids, C16-20 and C16-18-unsat	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68937-81-5	Fatty acids, C18 and C18-unsatd., Me	0.0008026	19191	120	24	SL-MD	B2	Health & Partic	0.07006	0%	390800	4757000		
68937-83-7	Fatty-acids, C6-10, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68937-84-8	Fatty-acids, C12-18, Me esters	0.0007495	19191		24				0.06542	Neg	390800	4757000		
68938-13-6	Fatty-acids, castor oil, Me esters, hyd	0.0008026	19191		24				0.07006	Neg	390800	4757000		
68952-94-3	Vegetable Oil Soap Stock	0.001592	19191	0.13896	24	Submitted ir			0.139	100%	390800	4757000		
68955-27-1	Distillates (petroleum), vacuum	0.001517	19191	120	24	SL-MD	B2	Health & Partic	0.1324	0%	390800	4757000	a	
68956-48-9	Fuel Oil, Residual, waste-water skimm	0.00128	19191	0.11174	24	Submitted ir			0.1117	100%	390800	4757000		
68956-68-3	Vegetable oil mists, respirable	0.00333	19191	120	24	SL-MD	B2	Health & Partic	0.2907	0%	390800	4757000		
68990-52-3	Fatty acids, vegetable-oil, Methyl este	0.000946	19191		24				0.08258	Neg	390800	4757000		
69013-21-4	Fuel oil, pyrolysis	0.0004473	19191	12.5	24	SL-JSL	B2	Health	0.03904	0%	390800	4757000		
69430-33-7	Petroleum Distillates	0.001477	19191	122.5	24	SL-JSL	B2	Health	0.129	0%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
70514-12-4	Lubricating oils, used	0.0008964	19191		24				0.07825	Neg	390800	4757000		
70592-78-8	Distillate (Petroleum), vacuum C15-C5	0.000788	19191	175	24	SL-JSL	B2	Health	0.06878	0%	390800	4757000		
71011-24-0	Alkyl Dimethylbenzylammoniumbent	2.099E-06	19191	15	24	SL-JSL	B2	Health & Partic	0.0001307	0%	390700	4757000		
71888-89-6	Phthalic Esters	0.001772	19191	25	24	SL-JSL	B2	Health	0.5147	2%	390700	4757000		
72623-85-9	Lubricating oils (petroleum), C20-50,	0.001477	19191	120	24	SL-MD	B2	Health & Partic	0.1289	0%	390800	4757000		
72623-86-0	Lubricating Oils, Petroleum, C15-30, H	0.001525	19191	0.1331	24	Submitted ir			0.1331	100%	390800	4757000		
72623-87-1	Lubricating Oils, petroleum, C20 -C50	0.001362	19191	0.11885	24	Submitted ir			0.1188	100%	390800	4757000		
73891-99-3	rape oil, me ester	0.0008026	19191		24				0.07006	Neg	390800	4757000		
74499-22-2	Fatty-acids, tall oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
74499-35-7	PHENOL, (TETRAPROPENYL) DERIVS	0.000946	19191		24				0.04134	Neg	390900	4757000		a
74869-22-0	Lubricating oils	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
84133-50-6	Secondary Alcohol ethoxylates	0.002778	19191	86	24	SL-PA	B2	Health	1.85	2%	390700	4757000		
84238-16-4	Fatty-acids, mustard oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
84605-29-8	zinc dialkyl dithiophosphate	0.000946	19191	120	24	SL-MD	B2	Health & Partic	0.156	0%	390900	4757000		a
84819-41-0	borated ester	0.0009446	19191		24				0.08246	Neg	390800	4757000		
84852-15-3	4-nonylphenol (branched)	0.004422	19191	120	24	SL-MD	B2	Health & Partic	0.2601	0%	390700	4757000		
84961-70-6	Benzene, mono-C10-13-alkyl derivs.,	0.001112	19191		24				0.09708	Neg	390800	4757000		
84989-14-0	Calcium Alkylbenzene Sulfonate	0.001469	19191	0.12825	24	Submitted ir			0.1282	100%	390800	4757000		
85005-41-0	Fatty-acids, lanolin, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85049-38-3	Fatty acids, C14-18 and C16-22-unsat	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85117-41-5	Benzene, mono-C-10-14-alkyl derivs.,	0.001475	19191	0.12877	24	Submitted ir			0.1288	100%	390800	4757000		
85186-80-7	Fatty acids, C14-18 and C18-unsatd.,	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85408-67-9	Fatty acids, C18-24 and C16-24-unsat	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85480-42-8	Fatty acids, animal, unsatd., Me ester	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85536-26-1	Fatty-acids, butter, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85566-26-3	Fatty-acids, C8-10, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85566-27-4	Fatty-acids, C12-16, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85586-20-5	Fatty-acids, C11-17, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85586-21-6	Fatty-acids, C16-18, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85586-25-0	Fatty-acids, rape oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
85631-62-5	Fatty-acids, coco, hydrogenated, Me e	0.0008026	19191		24				0.07006	Neg	390800	4757000		
86290-81-5	Gasoline	0.3856	19191	1400	24	SL-JSL	B2	Health	33.66	2%	390800	4757000		
90669-74-2	Residual component of finished oils	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
91002-21-0	Fatty-acids, C14-18-branched, Me est	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91031-65-1	Fatty-acids, C8-18, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91031-66-2	Fatty-acids, C12-20, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91031-67-3	Fatty-acids, C14-18, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91051-06-8	Fatty-acids, essential, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91051-16-0	Fatty-acids, linseed oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91051-32-0	Fatty-acids, palm kernel oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91051-34-2	Fatty-acids, palm oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
91672-41-2	Phenol, 2-nonyl-, branched	0.0009221	19191	0.40275	24	Submitted ir			0.4028	100%	390900	4757000		
91697-62-0	Fatty-acids, rape oil, hydrogenated, M	0.0008026	19191		24				0.07006	Neg	390800	4757000		
93571-83-6	Fatty acids, C16-24 and C16-24-unsat	0.0008026	19191		24				0.07006	Neg	390800	4757000		
93572-01-1	Fatty-acids, olive oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
93572-08-8	Fatty-acids, peanut oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
93819-94-4	zinc bis[O-(6-methylheptyl)] bis[O-(se	0.000946	19191		24				0.08258	Neg	390800	4757000		
94733-11-6	Fatty-acids, C5-20, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
95009-32-8	Fatty-acids, Iris germanica, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
95009-33-9	Fatty-acids, Iris pallida, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
101316-69-2	Distillate, hydrotreated light naphthe	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
101316-70-5	Lubricating oils (petroleum), C17-32,	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		

**Table 4:
Emissions Summary Table
(July 24, 2024)**

CAS#	Contaminant	Total Emission Rate (g/s)	AERMOD Version	Criteria (µg/m3)	Averaging Period of Criterion (h)	Criterion Source	Category	Limiting Effect	Max POI Value (µg/m3)	Percentage of Criteria (%)	Maxima X (m)	Maxima Y (m)	Likelihood of Adverse Effect (No Criteria)	Footnote
101316-71-6	Lubricating oils (petroleum), C20-35,	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
101316-72-7	Lubricating oils (petroleum), C24-50,	0.001362	19191	0.11891	24	Submitted ir			0.1189	100%	390800	4757000		
102047-28-9	Fatty acids, C16-18 and C16-18-unsat	0.0008026	19191	0.07006	24	Submitted ir			0.07006	100%	390800	4757000		
121158-58-5	Phenol, dodecyl-, branched	0.0009466	19191		24				0.08263	Neg	390800	4757000		
128683-24-9	Bitumen, oil sand	0.001287	19191	0.11238	24	Submitted ir			0.1124	100%	390800	4757000		
128683-29-4	Gas oils (oil sand), hydrotreated	0.01242	19191	1.08398	24	Submitted ir			1.084	100%	390800	4757000		
129828-16-6	Fatty acids, canola-oil, Me esters	0.0008026	19191		24				0.07006	Neg	390800	4757000		
130498-29-2	Polycyclic aromatic hydrocarbons	0.00103	19191		24				0.08994	Neg	390800	4757000		a
135108-88-2	Hydrogenated formaldehyde polymer	0.003074	19191	15	24	SL-JSL	B2	Health & Partic	1.343	9%	390900	4757000		
137398-54-0	Trade Secret	0.0000745	19191		24				0.03287	Neg	390900	4757000		
232268-65-4	Cashew, nutshell liq., 2-hydroxyethyl	0.9028	19191	53.2593	24	Submitted ir			53.24	100%	390700	4757000		
848301-66-6	kerosene (Fischer Tropsch) full range,	0.00162	19191	0.14144	24	Submitted ir			0.1414	100%	390800	4757000		
848301-67-7	distillates (Fischer-Tropsch), C8-C26 -	0.001474	19191	0.12866	24	Submitted ir			0.1287	100%	390800	4757000		
848301-69-9	Distillates (Fischer -Tropsch), heavy, C	0.001417	19191	0.12371	24	Submitted ir			0.1237	100%	390800	4757000		
928771-01-1	alkanes, C10-C20, branched and linea	0.001075	19191		24				0.09387	Neg	390800	4757000		
1159170-26-9	Fuels, Diesel, C9-18-Alkane Branched	0.001062	19191		24				0.09272	Neg	390800	4757000		a
MS	Mineral spirits	0.4796	19191	2600	24	Standard	B1	Health	31.67	1%	390700	4757000		
MS	Mineral spirits	0.4796	19191	26000	24	URT	URT	URT	31.67	0%	390700	4757000		
PM	Suspended particulate matter (< 44 µ	0.04839	19191	120	24	Standard	B1	Visibility	11.25	9%	390900	4757000		
a - Outliers Removed														
b - contaminant submitted for MECP approval as contaminants without limits with an ECA application (Sept 2022).														