

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”, 2021.

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 annual POI concentration for 1,3-Butadiene (106-99-0) is 1.78 µg/m³ at 89% of the guideline of 2.00 µg/m³. The next highest contaminant is Norpar 12 (64771-72-8) at 87.7%.

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
(2025-10-28)

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	22112		24				0.0776	Neg	390800	4757000		
0-03-3	Styrene-butadiene based polymer	0.001036	22112		24				0.08519	Neg	390800	4757000		
0-04-4	Residual Monomer	0.0009487	22112		24				0.07799	Neg	390800	4757000		
0-05-5	FDA Approved Suspension Aid	0.0009282	22112		24				0.0763	Neg	390800	4757000		
0-06-6	FDA Approved Biocide	0.0009282	22112		24				0.0763	Neg	390800	4757000		
0-08-8	Sulfur compounds	3.217E-07	22112		24				0.0001166	Neg	390900	4757000		
0-09-9	Anti-Stripping Additive	6.435E-08	22112		24				0.00002331	Neg	390900	4757000		
0-11-3	Propylene Glycol Ether (trade secret)	0.0001181	22112		24				0.0301	Neg	390700	4757000		
0-12-4	Corrosion Inhibitors (Trade secret)	0.0001181	22112		24				0.0301	Neg	390700	4757000		
0-21-5	Acrylic copolymer MSDS268	0.000958	22112		24				0.07875	Neg	390800	4757000		
0-22-6	Base oil - highly refined	0.00105	22112		24				0.0863	Neg	390800	4757000		
0-23-7	Base oil - highly refined	0.00105	22112		24				0.0863	Neg	390800	4757000		
0-24-8	Base oil - highly refined	0.001046	22112		24				0.08597	Neg	390800	4757000		
0-25-9	Fischer-Tropsch derived base oil, cons	0.001072	22112		24				0.08814	Neg	390800	4757000		
0-26-0	Fischer-Tropsch derived base oil, cons	0.001084	22112		24				0.08909	Neg	390800	4757000		
0-28-2	Hydrocarbon solvents	0.00109	22112		24				0.08961	Neg	390800	4757000		
0-30-6	Polynuclear aromatics	0.0009464	22112		24				0.07779	Neg	390800	4757000		
0-31-7	Chlorinated solvents	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-32-8	Other C5s	0.0009458	22112		24				0.07774	Neg	390800	4757000		
0-33-9	C6s	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-34-0	Asphaltenes	0.001043	22112		24				0.08569	Neg	390800	4757000		
0-35-1	Polycyclic aromatic hydrocarbons	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-36-2	Diaromatics	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-37-3	Mixed C7 and C9 alkanes and alkenes	0.001016	22112		24				0.08351	Neg	390800	4757000		
0-38-4	Polycyclic aromatic hydrocarbons	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-39-5	Other ester adducts	0.0009324	22112		24				0.07664	Neg	390800	4757000		
0-40-8	Nonionic Surfactant Blend	0.0009461	22112		24				0.07777	Neg	390800	4757000		
0-41-9	AN86136	0.001139	22112		24				0.0936	Neg	390800	4757000		
0-42-0	Polyolefin amid alkeneamine	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-43-1	Interchangeable low viscosity base oil	0.001017	22112		24				0.08356	Neg	390800	4757000		
0-46-4	Interchangeable low viscosity base oil	0.00102	22112		24				0.08384	Neg	390800	4757000		
0-47-5	Interchangeable low viscosity base oil	0.001019	22112		24				0.08375	Neg	390800	4757000		
0-48-6	hexane (mixture of isomers)	0.0009798	22112		24				0.08054	Neg	390800	4757000		
0-54-4	Hybase M-401 (Unknown -No Hazard)	0.0009507	22112		24				0.07815	Neg	390800	4757000		
0-55-5	Paraffinic hydrocarbons	0.001097	22112		24				0.09016	Neg	390800	4757000		
0-56-6	Paraffinic hydrocarbons	0.001097	22112		24				0.09016	Neg	390800	4757000		
0-57-7	Severely treated base oils	0.001161	22112		24				0.09544	Neg	390800	4757000		
0-58-8	Severely treated base oils	0.00111	22112		24				0.09121	Neg	390800	4757000		
0-59-9	Severely treated base oils	0.001161	22112		24				0.09544	Neg	390800	4757000		
0-60-2	Severely treated base oils	0.001084	22112		24				0.0891	Neg	390800	4757000		
0-61-3	Accelco Full Synthetic Dexos1 5W-30	0.001102	22112		24				0.09058	Neg	390800	4757000		
0-62-4	SYNTON PAO100 (Unknown - Non haz	0.0008597	22112		24				0.07067	Neg	390800	4757000		a
0-63-5	Acrylic Resins	0.0001126	22112		24				0.0287	Neg	390700	4757000		
0-64-6	Paraffins & Isoparaffins	0.00117	22112		24				0.09621	Neg	390800	4757000		
1-01-4	CTS-045 Additives	0.000002099	22112		24				0.0002312	Neg	390600	4757000		
1-02-5	CTS-CM142 Dispersant	0.000002099	22112		24				0.0002312	Neg	390600	4757000		
1-31-0	Heavies	0.001151	22112		24				0.09462	Neg	390800	4757000		
1-31-0	Heavies	0.001151	22112		24				0.09462	Neg	390800	4757000		
1-34-3	Slack Wax	0.001097	22112		24				0.09016	Neg	390800	4757000		
1-35-4	Severely treated base oils	0.001148	22112		24				0.09438	Neg	390800	4757000		
1-36-5	Slack Wax	0.00111	22112		24				0.09121	Neg	390800	4757000		
1-37-6	Severely treated base oils	0.001084	22112		24				0.0891	Neg	390800	4757000		

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(2025-10-28)

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
1-38-7	C4 Hydrocarbons	0.0008153	22112		24				0.06702	Neg	390800	4757000		
1-39-8	SYNTON PAO40 (Unknown - Non haza	0.001097	22112		24				0.09016	Neg	390800	4757000		
1-40-1	Cascowax EW-58S (Unknown - Non ha	0.001069	22112		24				0.08787	Neg	390800	4757000		
50-00-0	Formaldehyde	0.2016	22112	65	24	Standard	B1	Health	8.212	13%	390600	4757000		
56-81-5	Glycerol	0.002415	22112	120	24	SL-MD	B2	Health & Partic	0.1617	0%	390800	4757000		
57-55-6	Propylene Glycol	0.0009149	22112	120	24	Guideline	B1	Particulate	0.1806	0%	390700	4757000		
64-17-5	Ethyl alcohol	1.575	22112	19000	1	Guideline	B1	Odour	317.3	2%	390700	4757000		
64-18-6	Formic acid	0.004594	22112	500	24	Standard	B1	Health	0.3776	0%	390800	4757000		
64-67-5	diethyl sulfate	0.04371	22112	5	24	SL-JSL	B2	Health	3.593	72%	390800	4757000		
67-56-1	Methanol	0.0702	22112	4000	24	Standard	B1	Health	5.543	0%	390800	4757000		
67-63-0	Isopropyl alcohol	0.6818	22112	7300	24	Standard	B1	Health	41.13	1%	390600	4757000		
67-63-0	Isopropyl alcohol	0.6818	22112	73000	24	URT	URT	URT	41.13	0%	390600	4757000		
67-64-1	Acetone	0.06926	22112	11880	24	Standard	B1	Health	5.417	0%	390800	4757000		
67-64-1	Acetone	0.06926	22112	118800	24	URT	URT	URT	5.417	0%	390800	4757000		
67-66-3	Chlorofom	0.0001863	22112	1	24	Standard	B1	Health	0.06703	7%	390900	4757000		
67-66-3	Chlorofom	0.0001863	22112	100	24	URT	URT	URT	0.06703	0%	390900	4757000		
68-12-2	N,N-Dimethylformamide	0.003478	22112	150	24	SL-JSL	B2	Health	0.2859	0%	390800	4757000		
71-23-8	n-Propyl Alcohol - N-C3-OH	0.04809	22112	16000	24	Guideline	B1	Health	0.7565	0%	390600	4757000		
71-36-3	n-Butyl alcohol	0.0239	22112	2100	0.1667	Guideline	B1	Health	3.234	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.01447	22112	920	24	Standard	B1	Health	1.189	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.01447	22112	6000	24	URT	URT	URT	1.189	0%	390800	4757000		
71-43-2	Benzene	0.1449	22112	100	24	SL-DAV	DAV	DAV	2.279	2%	390600	4757000		
71-43-2	Benzene	0.1449	22112	100	24	URT	URT	URT	2.279	2%	390600	4757000		
71-43-2	Benzene	0.1449	22112	4.5	8760	SL-AAV	AAV	AAV	0.1207	3%	390800	4757000		
71-43-2	Benzene	0.1449	22112	0.45	8760	Standard	B1	Health	0.1207	27%	390800	4757000		
74-82-8	Methane	0.06096	22112	37330	24	SL-PA	B2	Health	2.423	0%	390800	4757000		
74-84-0	Ethane	0.6298	22112	14500	24	SL-JSL	B2	Health	25.75	0%	390800	4757000		
74-87-3	Methyl chloride	0.0263	22112	320	24	Standard	B1	Health	2.162	1%	390800	4757000		
74-87-3	Methyl chloride	0.0263	22112	3200	24	URT	URT	URT	2.162	0%	390800	4757000		
74-89-5	Monomethyl Amine	0.00001007	22112	25	24	Guideline	B1	Odour	0.0008277	0%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	22112	8	24	Standard	B1	Health	6.221	78%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	22112	80	24	URT	URT	URT	6.221	8%	390800	4757000		
74-93-1	Mercaptans (As Methyl Mercaptan) -	0.00002442	22112		24				0.002007	Neg	390800	4757000		
74-98-6	Propane	3.166	22112	215000	24	SL-JSL	B2	Health	130.2	0%	390800	4757000		
74-99-7	1-Propyne	0.8236	22112	8200	24	SL-JSL	B2	Health	33.89	0%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	22112	1	24	Standard	B1	Health	0.7773	78%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	22112	100	24	URT	URT	URT	0.7773	1%	390800	4757000		
75-08-1	Ethyl Mercaptan	0.002607	22112	0.1139	24	Submitted i			0.1073	94%	390800	4757000		
75-09-2	Methylene Chloride	0.02362	22112	220	24	Standard	B1	Health	7.447	3%	390900	4757000		
75-09-2	Methylene Chloride	0.02362	22112	22000	24	URT	URT	URT	7.447	0%	390900	4757000		
75-15-0	Carbon Disulfide	0.6405	22112	330	24	Guideline	B1	Odour	26.38	8%	390800	4757000		
75-28-5	Isobutane - 2-ME-C3	4.247	22112	3550	24	SL-JSL	B2	Health	173.4	5%	390800	4757000		
75-50-3	Trimethyl Amine - TM-AMINE	0.0007667	22112	0.5	1	Guideline	B1	Odour	0.1038	21%	390800	4757000		
75-56-9	Propylene oxide	0.0002362	22112	1.5	24	Standard	B1	Health	0.07447	5%	390900	4757000		
75-56-9	Propylene oxide	0.0002362	22112	150	24	URT	URT	URT	0.07447	0%	390900	4757000		
75-65-0	tert-Butyl alcohol	0.005514	22112	30300	24	Guideline	B1	Health	0.4533	0%	390800	4757000		
75-83-2	2,2-Dimethyl Butane - 22-DM-C4	1.643	22112	1750	24	SL-JSL	B2	Health	135.1	8%	390800	4757000		
77-73-6	Dicyclopentadiene	0.04246	22112	135	24	SL-JSL	B2	Health	0.668	0%	390600	4757000		
77-78-1	dimethyl sulfate	0.00628	22112	2.5	24	SL-JSL	B2	Health	0.5162	21%	390800	4757000		
77-99-6	Trimethylpropane	0.00003069	22112	120	24	SL-MD	B2	Health & Partic	0.002027	0%	390600	4757000		
78-00-2	TETRAETHYL LEAD	0.002945	22112		24				0.04633	Neg	390600	4757000		a
78-78-4	Iso-Pentane - 2-ME-C4	1.203	22112	35500	24	SL-JSL	B2	Health	52.08	0%	390800	4757000		

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78-79-5	Isoprene	0.3892	22112	60	24	SL-JSL	B2	Health	31.99	53%	390800	4757000		
78-83-1	i-Butyl alcohol	0.3013	22112	2340	0.1667	Standard	B1	Health	71.23	3%	390600	4757000		
78-83-1	i-Butyl alcohol	0.1824	22112	4600	24	Standard	B1	Health	18.3	0%	390600	4757000		
78-83-1	i-Butyl alcohol	0.1824	22112	16000	24	URT	URT	URT	18.3	0%	390600	4757000		
78-92-2	sec-Butyl alcohol	0.003928	22112	1500	24	SL-JSL	B2	Health	0.3229	0%	390800	4757000		
78-93-3	Methyl ethyl ketone	1.226	22112	1000	24	Standard	B1	Health	75.93	8%	390600	4757000		
78-93-3	Methyl ethyl ketone	1.226	22112	10000	24	URT	URT	URT	75.93	1%	390600	4757000		
79-29-8	2,3-dimethylbutane	0.09432	22112	1750	24	SL-JSL	B2	Health	7.753	0%	390800	4757000		
80-62-6	Methyl methacrylate	0.02894	22112	860	24	Guideline	B1	Odour	7.919	1%	390900	4757000		
90-12-0	1-Methyl naphthalene	0.004791	22112	35.5	24	SL-JSL	B2	Health	0.3938	1%	390800	4757000		
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	0.0001387	22112	35	24	SL-JSL	B2	Health	0.009156	0%	390600	4757000		
91-22-5	Quinoline	0.00006029	22112	0.005	24	SL-JSL	B2	Health	0.0042	84%	390800	4757000		a
91-57-6	2-Methyl naphthalene	0.0004625	22112	35.5	24	SL-JSL	B2	Health	0.03802	0%	390800	4757000		
95-13-6	Indene - INDENE	0.04203	22112	120	24	SL-JSL	B2	Health	0.6612	1%	390600	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	22112	220	24	Standard	B1	Health	7.994	4%	390700	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	22112	2200	24	URT	URT	URT	7.994	0%	390700	4757000		
96-14-0	PENTANE, 3-METHYL-	0.4644	22112	1750	24	SL-JSL	B2	Health	19.24	1%	390800	4757000		
96-29-7	2-butanone	0.001893	22112	12.5	24	SL-JSL	B2	Health	0.4543	4%	390900	4757000		
96-37-7	Methyl cyclopentane	0.3391	22112	3500	24	SL-JSL	B2	Health	13.96	0%	390800	4757000		
98-00-0	Furfuryl Alcohol	0.003934	22112	1000	24	Standard	B1	Health	0.3234	0%	390800	4757000		
98-29-3	4-Tert-butylcatechol	0.0004283	22112	10	24	SL-JSL	B2	Health	0.03521	0%	390800	4757000		
98-54-4	4-tert-Butylphenol	0.001261	22112	1.9	24	SL-JSL	B2	Health	0.335	18%	390900	4757000		
98-82-8	Isopropyl benzene	0.003074	22112	400	24	Standard	B1	Health	0.2527	0%	390800	4757000		
100-40-3	Dimers	0.0006483	22112	5	24	SL-JSL	B2	Health	0.05329	1%	390800	4757000		
100-41-4	Ethylbenzene	0.9641	22112	1900	0.1667	Guideline	B1	Health	496.3	26%	390900	4757000		
100-41-4	Ethylbenzene	0.5838	22112	1000	24	Standard	B1	Health	47.56	5%	390900	4757000		
100-41-4	Ethylbenzene	0.5838	22112	10000	24	URT	URT	URT	47.56	0%	390900	4757000		
100-42-5	Styrene	0.04729	22112	400	24	Standard	B1	Health	0.7439	0%	390600	4757000		
100-51-6	Benzyl alcohol	1.087	22112	880	24	Guideline	B1	Health	117	13%	390600	4757000		
101-81-5	Diphenylmethane	0.002881	22112	6.25	24	SL-JSL	B2	Health	0.2368	4%	390800	4757000		
102-25-0	1,3,5-Triethylbenzene	0.002878	22112	122.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
103-23-1	Di-ethylhexyladipate	0.003136	22112	60	24	SL-JSL	B2	Health	0.2578	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	22112	120	24	SL-MD	B2	Health & Partic	0.09466	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	22112	120	24	SL-MD	B2	Health & Partic	0.09466	0%	390800	4757000		
103-65-1	n-Propyl Benzene - N-C3-BEN	0.1201	22112	1250	24	SL-JSL	B2	Health	9.868	1%	390800	4757000		
104-43-8	4-DODECYLPHENOL	0.000946	22112		24				0.07776	Neg	390800	4757000		
104-78-9	N,N-Diethyl-1,3-propanediamine	0.05573	22112	65	24	SL-JSL	B2	Health	6.137	9%	390600	4757000		
105-05-5	p-Diethylbenzene	0.03148	22112	125	24	SL-JSL	B2	Health	2.587	2%	390800	4757000		
106-89-8	Epichlorohydrin	0.0009688	22112	4	24	SL-JSL	B2	Health	0.3487	9%	390900	4757000		
106-93-4	Ethylene dibromide	0.03091	22112	3	24	SL-JSL	B2	Health	0.4863	16%	390600	4757000		
106-97-8	Butane	4.246	22112	3550	24	SL-JSL	B2	Health	173.4	5%	390800	4757000		
106-98-9	1-Butene - 1-BUTENE	1.136	22112	7000	24	SL-JSL	B2	Health	46.75	1%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	300	24	SL-DAV	DAV	DAV	45.14	15%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	300	24	URT	URT	URT	45.14	15%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	20	8760	SL-AAV	AAV	AAV	1.788	9%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	2	8760	Standard	B1	Health	1.788	89%	390800	4757000		
107-00-6	1-Butyne	0.005814	22112	0.5	24	SL-JSL	B2	Health	0.3878	78%	390800	4757000		
107-01-7	2-Butene	1.136	22112	2400	24	SL-JSL	B2	Health	46.75	2%	390800	4757000		
107-21-1	Ethylene Glycol	0.003786	22112	12700	24	Guideline	B1	Health	0.3112	0%	390800	4757000		
107-22-2	Glyoxal	0.01892	22112	2	24	SL-MD	B2	Health	1.555	78%	390800	4757000		
107-31-3	Methyl Formate - ME-FORM	0.3999	22112	600	24	SL-JSL	B2	Health	32.87	5%	390800	4757000		
107-39-1	Diisobutylene	0.003823	22112	0.5	24	SL-JSL	B2	Health	0.3142	63%	390800	4757000		

Table 4:
Emissions Summary Table
(2025-10-28)

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
107-40-4	2,4,4-Trimethyl-2-pentene	0.0008474	22112	285	24	SL-JSL	B2	Health	0.06965	0%	390800	4757000		
107-83-5	2-Methylpentane	0.5075	22112	1750	24	SL-JSL	B2	Health	20.89	1%	390800	4757000		
107-98-2	Propylene glycol methyl ether	3.278	22112	121000	0.1667	Guideline	B1	Odour	780.5	1%	390700	4757000		
108-08-7	2,4-DIMETHYLPENTANE	0.01471	22112	1750	24	SL-JSL	B2	Health	1.209	0%	390800	4757000		
108-10-1	Methyl isobutyl ketone	0.01116	22112	1200	24	Guideline	B1	Odour	3.505	0%	390900	4757000		
108-65-6	Propylene glycol monomethyl ether a	0.00085	22112	5000	24	Guideline	B1	Odour	0.2166	0%	390700	4757000		
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	22112	220	24	Standard	B1	Health	4.975	2%	390700	4757000		
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	22112	2200	24	URT	URT	URT	4.975	0%	390700	4757000		
108-87-2	Methylcyclohexane - ME-CYCC6	0.07434	22112	8050	24	SL-JSL	B2	Health	1.164	0%	390600	4757000		
108-88-3	Toluene	0.6726	22112	2000	24	Guideline	B1	Odour	197.3	10%	390900	4757000		
108-94-1	Cyclohexanone - CC6-KET	0.2166	22112	400	24	SL-JSL	B2	Health	21.37	5%	390700	4757000		
108-95-2	Phenol	0.001323	22112	30	24	Standard	B1	Health	0.08738	0%	390600	4757000		
108-95-2	Phenol	0.001323	22112	300	24	URT	URT	URT	0.08738	0%	390600	4757000		
109-60-4	Propyl acetate, n-	0.09107	22112	6600	24	Guideline	B1	Health	1.433	0%	390600	4757000		
109-66-0	n-Pentane - N-C5	0.8908	22112	35500	24	SL-JSL	B2	Health	38.99	0%	390800	4757000		
109-67-1	1-Pentene - 1-PENTEN	1.214	22112	2050	24	SL-JSL	B2	Health	49.96	2%	390800	4757000		
109-68-2	2-pentene	0.0009807	22112		24				0.08061	Neg	390800	4757000		
110-02-1	Thiophene	0.1297	22112	28.5	24	SL-JSL	B2	Health	2.04	7%	390600	4757000		
110-43-0	2-Heptanone - C7-KET-2	0.01344	22112	4600	24	Guideline	B1	Health	2.332	0%	390700	4757000		
110-54-3	n-Hexane	0.3889	22112	2500	24	Standard	B1	Health	16	1%	390800	4757000		
110-54-3	n-Hexane	0.3889	22112	25000	24	URT	URT	URT	16	0%	390800	4757000		
110-82-7	Cyclohexane	0.1364	22112	6100	24	Standard	B1	Health	2.132	0%	390600	4757000		
110-82-7	Cyclohexane	0.1364	22112	61000	24	URT	URT	URT	2.132	0%	390600	4757000		
111-46-6	Diethylene glycol	0.003966	22112	1000	24	SL-JSL	B2	Health	0.326	0%	390800	4757000		
111-65-9	n-Octane	0.3669	22112	61800	0.1667	Guideline	B1	Odour	10.27	0%	390600	4757000		
111-66-0	1-Octene	0.002584	22112	50000	24	Guideline	B1	Health	0.2124	0%	390800	4757000		
111-67-1	Octene-2	0.006369	22112		24				0.09968	Neg	390600	4757000		
111-76-2	2-Butoxy ethanol	0.3019	22112	500	0.1667	Guideline	B1	Odour	83.01	17%	390900	4757000		
111-76-2	2-Butoxy ethanol	0.1828	22112	2400	24	Guideline	B1	Health	11.26	0%	390600	4757000		
111-77-3	Diethylene Glycol Methyl Ether	0.002794	22112	1200	24	Guideline	B1	Health	0.2297	0%	390800	4757000		
111-84-2	n-Nonane	0.04467	22112	5250	24	SL-JSL	B2	Health	0.7028	0%	390600	4757000		
112-07-2	2-Butoxyethyl acetate	0.02337	22112	700	0.1667	Guideline	B1	Odour	3.163	0%	390800	4757000		
112-07-2	2-Butoxyethyl acetate	0.01415	22112	3250	24	Guideline	B1	Health	1.163	0%	390800	4757000		
112-88-9	1-Octadecene	0.02387	22112	285	24	SL-JSL	B2	Health	1.962	1%	390800	4757000		
115-07-1	Propylene	3.049	22112	4000	24	Standard	B1	Health	125.5	3%	390800	4757000		
115-07-1	Propylene	3.049	22112	40000	24	URT	URT	URT	125.5	0%	390800	4757000		
115-11-7	Isobutene - ISOBUTEN	4.066	22112	7000	24	SL-JSL	B2	Health	167.3	2%	390800	4757000		
115-86-6	Triphenyl Phosphate	0.000006901	22112	35.5	24	SL-JSL	B2	Health	0.00076	0%	390600	4757000		
119-61-9	Benzophenone	0.00009569	22112	1	24	SL-JSL	B2	Health	0.006318	1%	390600	4757000		
119-61-9	Benzophenone	0.00009569	22112	1	24	SL-JSL	B2	Health	0.006318	1%	390600	4757000		
122-39-4	Diphenylamine	0.004994	22112	17.5	24	Guideline	B1	Health	0.07215	0%	390600	4757000		
123-39-7	n-methylformamide	0.003256	22112	5.5	24	SL-JSL	B2	Health	0.2677	5%	390800	4757000		
123-54-6	2,4-Pentanedione	0.0355	22112	415	24	SL-JSL	B2	Health	0.5585	0%	390600	4757000		
123-86-4	n-Butyl acetate	0.01602	22112	1000	0.1667	Guideline	B1	Odour	12.27	1%	390600	4757000		
123-86-4	n-Butyl acetate	0.009699	22112	15000	1	Guideline	B1	Health	7.427	0%	390600	4757000		
124-09-4	Hexamethylenediamine	0.003068	22112	16	24	Guideline	B1	Health	0.2522	2%	390800	4757000		
124-18-5	n-Decane	0.1554	22112	60000	1	Guideline	B1	Health & Odou	4.349	0%	390600	4757000		
124-38-9	Carbon Dioxide	0.6901	22112	255800	24	SL-PA	B2	Health	40.14	0%	390900	4757000		
124-40-3	Dimethylamine	2.078	22112	1840	1	Guideline	B1	Health & Odou	281.2	15%	390800	4757000		
135-01-3	o-Diethylbenzene	0.03148	22112	125	24	SL-JSL	B2	Health	2.588	2%	390800	4757000		
136-52-7	Cobalt 2-ethylhexanoate	0.00002479	22112	0.6	24	SL-MD	B2	Health	0.00577	1%	390900	4757000		
141-32-2	Butyl acrylate	0.0004601	22112	120	24	Guideline	B1	Particulate	0.03782	0%	390800	4757000		

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142-29-0	Cyclopentene - CYC-PNTE	0.08585	22112	25	24	SL-JSL	B2	Health	7.057	28%	390800	4757000		
142-82-5	n-heptane	0.09664	22112	11000	24	Standard	B1	Health	1.52	0%	390600	4757000		
147-14-8	Phthalocyanine Blue Pigment	0.0000105	22112	105	24	SL-JSL	B2	Health	0.0001156	0%	390600	4757000		
287-92-3	Cyclopentane - CYCC5	2.201	22112	1700	24	SL-JSL	B2	Health	141.3	8%	390800	4757000		
463-49-0	1,2-Propadiene	0.06743	22112	4.95	24	SL-JSL	B2	Health	3.852	78%	390800	4757000		
463-82-1	Dimethylpropane	1.446	22112	35500	24	SL-JSL	B2	Health	59.49	0%	390800	4757000		
464-06-2	2,2,3-Trimethylbutane	0.02495	22112	175	24	SL-JSL	B2	Health	2.051	1%	390800	4757000		
471-34-1	Carbonic acid calcium salt (1:1)	0.0003402	22112	15	24	SL-JSL	B2	Health & Partic	0.05937	0%	390900	4757000		
504-60-9	1-methylbutadiene (1,3-pentadiene)	0.04647	22112	100	24	SL-JSL	B2	Health	3.82	4%	390800	4757000		
513-35-9	2-Methyl-2-Butene - 2M-2-BUT	0.0555	22112	530	24	SL-JSL	B2	Health	4.562	1%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	22112	220	24	Standard	B1	Health	0.01058	0%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	22112	2200	24	URT	URT	URT	0.01058	0%	390800	4757000		
538-93-2	Isobutyl benzene	0.002878	22112	62.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
540-84-1	2,2,4-Trimethyl Pentane - 224TM-C5	0.09278	22112	1750	24	SL-JSL	B2	Health	1.46	0%	390600	4757000		
542-92-7	Cyclopentadiene - CYC-PNDE	0.04928	22112	1000	24	SL-JSL	B2	Health	4.051	0%	390800	4757000		
562-49-2	3,3-DIMETHYLPENTANE	0.0009461	22112		24				0.07777	Neg	390800	4757000		
563-45-1	3-Methylbutene	0.1271	22112	1115	24	SL-JSL	B2	Health	5.229	0%	390800	4757000		
565-59-3	2,3-DIMETHYLPENTANE	0.01817	22112	1750	24	SL-JSL	B2	Health	1.494	0%	390800	4757000		
589-34-4	3-METHYLHEXANE	0.01047	22112	1535	24	SL-JSL	B2	Health	0.8604	0%	390800	4757000		
590-18-1	cis-2-Butene	0.5671	22112	2400	24	SL-JSL	B2	Health	46.61	2%	390800	4757000		
590-19-2	1,2-Butadiene	0.07426	22112	4.95	24	SL-JSL	B2	Health	3.853	78%	390800	4757000		
590-35-2	2, 2-DIMETHYLPENTANE	0.1605	22112	175	24	SL-JSL	B2	Health	13.2	8%	390800	4757000		
591-76-4	HEXANE, 2-METHYL-	0.01105	22112	1535	24	SL-JSL	B2	Health	0.9079	0%	390800	4757000		
592-41-6	1-Hexene	0.3467	22112	850	24	SL-JSL	B2	Health	14.37	2%	390800	4757000		
592-57-4	1,3-Cyclohexadiene	0.0009421	22112		24				0.07744	Neg	390800	4757000		
598-25-4	3-Methyl-1,2-butadiene	0.04684	22112	4.95	24	SL-JSL	B2	Health	3.85	78%	390800	4757000		
598-53-8	methyl isopropyl ether	0.0149	22112	125	24	SL-JSL	B2	Health	5.363	4%	390900	4757000		
612-00-0	Benzene, 1,1'-ethyldienebis-	0.01296	22112	3.5	24	SL-JSL	B2	Health	1.065	30%	390800	4757000		
612-00-0	Benzene, 1,1'-ethyldienebis-	0.01296	22112	3.5	24	SL-JSL	B2	Health	1.065	30%	390800	4757000		
616-38-6	Dimethyl carboate	0.0009563	22112	920	24	SL-MD	B2	Health	0.2436	0%	390700	4757000		
624-64-6	trans-2-Butene	0.5671	22112	2400	24	SL-JSL	B2	Health	46.61	2%	390800	4757000		
629-73-2	1-Hexadecene	0.02366	22112	85	24	SL-JSL	B2	Health	1.945	2%	390800	4757000		
635-81-4	1,2,4,5-Tetraethylbenzene	0.005211	22112	122.5	24	SL-JSL	B2	Health	0.4284	0%	390800	4757000		
637-92-3	Ethyl t-Butyl Ether - ETBE	0.2287	22112	1250	24	SL-JSL	B2	Health	18.8	2%	390800	4757000		
687-47-8	(-)-Ethyl L-lactate	0.000917	22112		24				0.07538	Neg	390800	4757000		
689-97-4	1-Buten-3-yne	1.058	22112	820	24	SL-JSL	B2	Health	43.52	5%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
827-52-1	Cyclohexylbenzene	0.002878	22112	0.5	24	SL-JSL	B2	Health	0.2366	47%	390800	4757000		
872-05-9	1-Decene - 1-C10E	0.0004139	22112	60000	24	Guideline	B1	Health	0.03403	0%	390800	4757000		
877-44-1	1,2,4-Triethylbenzene	0.002878	22112	122.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
994-05-8	Methyl t-Amyl Ether - MTAE	0.01211	22112	400	24	SL-JSL	B2	Health	0.9954	0%	390800	4757000		
1120-21-4	Undecane	0.04119	22112	175	24	SL-JSL	B2	Health	0.6479	0%	390600	4757000		
1120-36-1	1-Tetradecene	0.09504	22112	500	24	SL-JSL	B2	Health	7.812	2%	390800	4757000		
1241-94-7	Phosphoric acid 2-ethylhexyl diphenyl	0.0000963	22112	5	24	SL-JSL	B2	Health	0.01061	0%	390600	4757000		
1317-61-9	Iron oxide (Fe3O4)	0.0006804	22112	25	24	SL-MD	B2	Health & Soilin	0.1187	0%	390900	4757000		
1317-65-3	Limestone	0.01364	22112	15	24	SL-JSL	B2	Health & Partic	0.9004	6%	390600	4757000		
1319-77-3	Cresol (mixed isomers)	0.0004798	22112	75	24	Standard	B1	Health	0.03944	0%	390800	4757000		
1330-20-7	Xylene	2.775	22112	3000	0.1667	Guideline	B1	Health	1562	52%	390900	4757000		
1330-20-7	Xylene	1.68	22112	730	24	Standard	B1	Health	152.7	21%	390900	4757000		
1330-20-7	Xylene	1.68	22112	7300	24	URT	URT	URT	152.7	2%	390900	4757000		

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1332-58-7	Aluminum Silicate Hydrate	0.001222	22112	10	24	SL-JSL	B2	Health	0.1821	2%	390900	4757000		
1333-86-4	Pigment Black 7	0.01399	22112	10	24	Standard	B1	Soiling	0.9069	9%	390600	4757000		
1336-21-6	Ammonium hydroxide	0.08694	22112	500	24	SL-JSL	B2	Health	7.146	1%	390800	4757000		
1344-28-1	Aluminum oxide	0.00004536	22112	120	24	Guideline	B1	Particulate	0.007916	0%	390900	4757000		
1477-55-0	m-Xylylenediamine	0.0002255	22112	1	24	SL-MD	B2	Health	0.01481	1%	390600	4757000		
1574-41-0	Cis-1,3-pentadiene	0.04087	22112	100	24	SL-JSL	B2	Health	3.359	3%	390800	4757000		
1632-16-2	Heptane, 3-methylene-	0.005395	22112	170	24	SL-JSL	B2	Health	0.4435	0%	390800	4757000		
1634-04-4	Methyl tert-butyl ether	0.3025	22112	7000	24	Guideline	B1	Health	24.86	0%	390800	4757000		
1675-54-3	bis-[4-(2,3-epoxypropoxy)phenyl]prop	0.04258	22112	120	24	SL-PA	B2	Health	2.734	2%	390600	4757000		
1761-71-3	Cycloaliphatic amine	0.007992	22112	30	24	SL-JSL	B2	Health	2.848	9%	390900	4757000		
2004-70-8	trans-1,3 pentadiene	0.004463	22112	90	24	SL-JSL	B2	Health	0.3669	0%	390800	4757000		
2215-35-2	Zinc O,O',O',O'-tetrakis(1,3-dimethylb	0.0008282	22112	120	24	SL-MD	B2	Health & Partic	0.06808	0%	390800	4757000		
2530-83-8	Glycidoxypropyltrimethoxysilane	0.06901	22112	111	24	SL-PA	B2	Health	7.6	7%	390600	4757000		
2855-13-2	Isophorone Diamine	0.0007746	22112	19	24	SL-JSL	B2	Health	0.08531	0%	390600	4757000		
3404-75-9	3-methyl-2-heptene	0.0006694	22112		24				0.05503	Neg	390800	4757000		
4259-15-8	zinc dialkyl dithiophosphate	0.001361	22112	120	24	SL-MD	B2	Health & Partic	0.1119	0%	390800	4757000		
6842-15-5	Propylene Tetramers	0.001352	22112	22	24	SL-JSL	B2	Health	0.1111	1%	390800	4757000		
7320-34-5	Tetrapotassium pyrophosphate	0.0001158	22112	50	24	SL-PA	B2	Health	0.1123	0%	390800	4757000		
7429-90-5	Aluminum	0.002505	22112	12	24	SL-JSL	B2	Health	0.4452	4%	390900	4757000		
7439-89-6	Iron	0.0005893	22112	4	24	Standard	B1	Health	0.1356	3%	390600	4757000		
7439-93-2	Lithium	0.00002975	22112	20	24	Standard	B1	Health	0.005191	0%	390900	4757000		
7439-95-4	Magnesium	0.0001333	22112	72	24	SL-MD	B2	Health	0.02377	0%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0002345	22112	0.4	24	Standard	B1	Health	0.04096	10%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0002345	22112	4	24	URT	URT	URT	0.04096	1%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	2	24	SL-DAV	DAV	DAV	0.007283	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	2	24	URT	URT	URT	0.007283	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	0.04	8760	SL-AAV	AAV	AAV	0.001027	3%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	0.4	8760	Standard	B1	Health	0.001027	0%	390900	4757000		
7440-09-7	Potassium	0.0004667	22112	10	24	SL-JSL	B2	Health	0.07304	1%	390900	4757000		
7440-21-3	Silicon	0.002737	22112	27	24	SL-PA	B2	Health	0.1864	1%	390900	4757000		
7440-32-6	Titanium	0.01075	22112	120	24	Standard	B1	Particulate	2.532	2%	390900	4757000		
7440-39-3	Barium	0.000196	22112	10	24	Guideline	B1	Health	0.02159	0%	390600	4757000		
7440-44-0	Carbon	8.563E-07	22112	15	24	SL-JSL	B2	Health	0.0009555	0%	390600	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.0001188	22112	0.5	24	Standard	B1	Health	0.02074	4%	390900	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.0001188	22112	5	24	URT	URT	URT	0.02074	0%	390900	4757000		
7440-48-4	Cobalt	0.000007455	22112	0.1	24	Guideline	B1	Health	0.001722	2%	390900	4757000		
7440-50-8	Copper	0.0001544	22112	50	24	Standard	B1	Health	0.02692	0%	390900	4757000		
7440-66-6	Zinc	0.00001812	22112	120	24	Standard	B1	Particulate	0.003888	0%	390900	4757000		
7440-67-7	Zirconium (and compounds)	0.000004536	22112	25	24	SL-JSL	B2	Health	0.0007916	0%	390900	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	100	1	Standard	B1	Health & Veget	1.493	1%	390800	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	100	1	URT	URT	Health	1.493	1%	390800	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	275	24	Standard	B1	Health & Veget	0.9067	0%	390800	4757000		
7447-40-7	Potassium Chloride	0.0006804	22112	20	24	SL-PA	B2	Health	0.1187	1%	390900	4757000		
7631-86-9	Silicon dioxide	0.0008521	22112	5	24	SL-MD	B2	Health	0.2043	4%	390900	4757000		
7642-15-1	Cis-4-octene	0.0006644	22112		24				0.05461	Neg	390800	4757000		
7647-14-5	Sodium chloride (NaCl)	0.0006804	22112	15	24	SL-JSL	B2	Health & Partic	0.1187	1%	390900	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	22112	7	24	Standard	B1	Health	0.1454	2%	390800	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	22112	70	24	URT	URT	URT	0.1454	0%	390800	4757000		
7664-41-7	Ammonia	0.7531	22112	100	24	Standard	B1	Health	17.58	18%	390800	4757000		
7664-41-7	Ammonia	0.7531	22112	1000	24	URT	URT	URT	17.58	2%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	22112	5	24	Standard	B1	Health	0.4914	10%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	22112	15	24	URT	URT	URT	0.4914	3%	390800	4757000		

Table 4:
Emissions Summary Table
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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
7722-84-1	Hydrogen peroxide	0.004442	22112	30	24	Guideline	B1	Health	0.3651	1%	390800	4757000		
7723-14-0	Phosphorus	0.00004484	22112	0.5	24	SL-MD	B2	Health	0.03258	7%	390800	4757000		
7727-43-7	Barium Sulphate	0.0003332	22112	25	24	SL-JSL	B2	Health	0.03669	0%	390600	4757000		
7779-90-0	Zinc Phosphate	0.00001778	22112	1	24	SL-JSL	B2	Health	0.005632	1%	390900	4757000		
7783-06-4	Hydrogen sulphide	0.08095	22112	13	0.1667	Standard	B1	Odour	9.165	71%	390800	4757000		
7783-06-4	Hydrogen sulphide	0.04901	22112	7	24	Standard	B1	Health	3.371	48%	390800	4757000		
7783-06-4	Hydrogen sulphide	0.04901	22112	70	24	URT	URT	URT	3.371	5%	390800	4757000		
7784-18-1	Aluminum Fluoride	0.0001134	22112		24				0.01979	Neg	390900	4757000		
7789-24-4	Lithium Fluoride	0.0001134	22112		24				0.01979	Neg	390900	4757000		
7789-75-5	Calcium fluoride	0.0002268	22112		24				0.03958	Neg	390900	4757000		
8002-05-9	motor oil	0.3389	22112	175	24	SL-JSL	B2	Health	27.86	16%	390800	4757000		
8006-61-9	Light Petroleum Distillate	0.03208	22112	1400	24	SL-JSL	B2	Health	2.637	0%	390800	4757000		
8008-20-6	Kerosene	0.00183	22112	375	24	SL-MD	B2	Health	0.1504	0%	390800	4757000		
8042-47-5	White Mineral Oil (petroleum)	0.00567	22112	120	24	SL-MD	B2	Health & Partic	1.445	1%	390700	4757000		
8052-41-3	Stoddard solvent (Mineral Spirits)	0.04849	22112	2600	24	Standard	B1	Health	7.556	0%	390700	4757000		
8052-42-4	Asphalt	0.00006435	22112	2.5	24	SL-MD	B2	Health	0.002331	0%	390900	4757000		
9003-13-8	Polyoxypropylene glycol ether	0.001602	22112	120	24	SL-MD	B2	Health & Partic	0.1317	0%	390800	4757000		
9046-10-0	polyoxypropylenediamine	0.001696	22112	9	24	SL-JSL	B2	Health	0.112	1%	390600	4757000		
10043-92-2	Radon	2.026E-07	22112		24				0.000008335	Neg	390800	4757000		
10102-44-0	Nitrogen oxides	3.082	22112	400	1	Standard	B1	Health	129.4	32%	390800	4757000		
10102-44-0	Nitrogen oxides	3.082	22112	200	24	Standard	B1	Health	70.97	35%	390800	4757000		
10192-32-2	1-Tetralosene	0.005377	22112	120	24	SL-JSL	B2	Health	0.4419	0%	390800	4757000		
10213-79-3	sodium metasilicate pentahydrate	0.00003473	22112	15	24	SL-JSL	B2	Health & Partic	0.0337	0%	390800	4757000		
12001-26-2	Mica-group minerals	0.00008329	22112	15	24	SL-JSL	B2	Health	0.009173	0%	390600	4757000		
13463-67-7	Titanium Dioxide (TiO2)	0.01867	22112	34	24	Guideline	B1	Health	4.172	12%	390900	4757000		
13475-82-6	Isododecane	0.003688	22112		24				0.07803	Neg	390800	4757000		
13775-52-5	Aluminate(3-), hexafluoro-,tripotassi	0.0001134	22112		24				0.01979	Neg	390900	4757000		
13821-20-0	Lithium Hexafluoraluminate	0.0002268	22112		24				0.03958	Neg	390900	4757000		
14228-73-0	bis[(2,3-Epoxypropoxy) methyl] cyclo	0.01844	22112	15	24	SL-JSL	B2	Health & Partic	6.572	44%	390900	4757000		
14807-96-6	Talc	0.00004465	22112	2	24	Guideline	B1	Health	0.01039	1%	390900	4757000		
15096-52-3	Cyrolite	0.0001134	22112		24				0.01979	Neg	390900	4757000		
16368-97-1	Phosphoric acid, bis(2-ethylhexyl) phe	0.00000105	22112	5	24	SL-JSL	B2	Health	0.0001156	0%	390600	4757000		
21645-51-2	Aluminium hydroxide	0.00004814	22112	30	24	SL-PA	B2	Health	0.003166	0%	390600	4757000		
25013-15-4	Vinyl Toluene	0.006025	22112	1210	24	SL-JSL	B2	Health	0.4953	0%	390800	4757000		
25036-25-3	Epoxy resin (700<MW<=1100)	0.01364	22112	120	24	SL-MD	B2	Health & Partic	0.9004	1%	390600	4757000		
25068-38-6	bisphenol A-(epichlorhydrin) epoxy re	0.006105	22112	120	24	SL-MD	B2	Health & Partic	0.4031	0%	390600	4757000		
25085-99-8	2,2'-bisoxirane homopolymer	0.0005147	22112	120	24	SL-MD	B2	Health & Partic	0.05669	0%	390600	4757000		
25154-52-3	nonylphenol	0.0001696	22112	30	24	SL-JSL	B2	Health	0.0112	0%	390600	4757000		
25167-67-3	Butene	2.033	22112	700	24	SL-JSL	B2	Health	83.66	12%	390800	4757000		
25321-13-5	Cyclopentadiene	0.0004285	22112		24				0.03522	Neg	390800	4757000		
25377-72-4	Pentene	0.0002924	22112		24				0.02403	Neg	390800	4757000		
25377-83-7	Octene (mixed isomers)	0.02646	22112	2.30944	24	9342-CTNN			2.175	94%	390800	4757000		
25550-14-5	Ethyltoluenes	0.0004094	22112	0.5	24	SL-JSL	B2	Health	0.03365	7%	390800	4757000		
25551-13-7	Trimethylbenzene	0.0009459	22112		24				0.07775	Neg	390800	4757000		
25620-58-0	2,2,4- and 2,4,4- trimethylhexamethy	0.1696	22112	16	24	SL-MD	B2	Health	11.2	70%	390600	4757000		
26139-75-3	Polymer, formaldehyde with 1,3-dime	0.01045	22112	4.56449	24	9342-CTNN			3.724	82%	390900	4757000		
26761-45-5	2,3-Epoxypropyl ester neodecanoic ac	0.0003402	22112	3	24	SL-PA	B2	Health	0.03532	1%	390600	4757000		
27193-86-8	Alkylphenol	0.0251	22112	60	24	SL-JSL	B2	Health	2.063	3%	390800	4757000		
27253-31-2	Cobalt Neodecanoate	0.0005678	22112	0.7	24	SL-MD	B2	Health	0.1363	19%	390900	4757000		
28064-14-4	Phenol - formaldehyde Novalac	0.0007281	22112	120	24	SL-MD	B2	Health & Partic	0.08019	0%	390600	4757000		
28553-12-0	Diisononyl Phthalate	0.0105	22112	25	24	SL-JSL	B2	Health	1.156	5%	390600	4757000		
28729-52-4	1t,-2-dimethylcyclopentane	0.00473	22112	0.5	24	SL-JSL	B2	Health	0.3888	78%	390800	4757000		

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36878-20-3	BENZENAMINE, AR-NONYL-N-(NONYL)	0.004985	22112		24				0.07201	Neg	390600	4757000		
37251-69-7	Alkyl Phenol Ethoxylate Propoxylate	0.001469	22112	0.12825	24	9342-CTNN			0.1208	94%	390800	4757000		
37293-74-6	Naphthalenesulfonic acid, polymer w	0.04869	22112	15	24	SL-JSL	B2	Health & Partic	0.766	5%	390600	4757000		
38640-62-9	bis(isopropyl)naphthalene	0.00305	22112	60	24	SL-JSL	B2	Health	0.2507	0%	390800	4757000		
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl	0.0001156	22112	0.5	24	SL-JSL	B2	Health	0.00763	2%	390600	4757000		
61141-66-0	3,4-Diethyl-1,1'biphenyl	0.0008959	22112		24				0.07364	Neg	390800	4757000		
61788-59-8	Fatty-acids, coco, Me esters	0.0008026	22112	50	24	SL-JSL	B2	Health	0.06597	0%	390800	4757000		
61788-61-2	fatty acids, tallow, me esters	0.000917	22112		24				0.07538	Neg	390800	4757000		
61789-60-4	Pitch	0.0009461	22112		24				0.07777	Neg	390800	4757000		
61789-97-7	Tallow	0.004149	22112	0.36217	24	9342-CTNN			0.341	94%	390800	4757000		
61791-10-4	quaternary coco alkylamine ethoxylat	0.00003473	22112		24				0.0337	Neg	390800	4757000		
64741-43-1	Gas Oils (Petroleum), straight-run	0.3018	22112	175	24	SL-JSL		Health	4.747	3%	390600	4757000		
64741-44-2	Distillates, petroleum, Straight run m	0.003657	22112	120	24	SL-MD	B2	Health & Partic	0.3006	0%	390800	4757000		
64741-45-3	Residues (petroleum), atm. Tower	0.001695	22112	0.148	24	9342-CTNN			0.1394	94%	390800	4757000		
64741-47-5	Natural gas condensates (petroleum)	0.4097	22112	175	24	SL-JSL	B2	Health	33.68	19%	390800	4757000		
64741-48-6	Natural gas (petroleum), raw liq. mix	0.07025	#DIV/0!		24				#DIV/0!	#DIV/0!	390800	4757000		a
64741-57-7	Gas Oils (petroleum), heavy vacuum	0.00208	22112	175	24	SL-JSL	B2	Health	0.171	0%	390800	4757000		
64741-58-8	light vacuum gas oil (petroleum)	0.002274	22112	175	24	SL-JSL	B2	Health	0.1869	0%	390800	4757000		
64741-59-9	Light catalytic cracked distillate	0.00427	22112	465	24	SL-JSL	B2	Health	0.351	0%	390800	4757000		
64741-60-2	Intermediate catalytic cracked distilla	0.001524	22112	0.13305	24	9342-CTNN			0.1253	94%	390800	4757000		
64741-61-3	distillates (petroleum), heavy catalyti	0.004065	22112	0.35482	24	9342-CTNN			0.3341	94%	390800	4757000		
64741-62-4	Catalytic Cracked Clarified Oil	0.005953	22112	60	24	SL-JSL	B2	Health	0.4893	1%	390800	4757000		
64741-63-5	LIGHT CATALYTIC REFORMED NAPHTH	0.3608	22112	500	24	SL-JSL	B2	Health	29.66	6%	390800	4757000		
64741-65-7	Heavy Alkylate Naphtha	0.0276	22112	2600	24	Standard	B1	Health	4.645	0%	390700	4757000		
64741-66-8	Naphtha, petroleum, light alkylate	1.584	22112	2600	24	Standard	B1	Health	65.17	3%	390800	4757000		
64741-73-7	distillates (petroleum), alkylate	0.0009458	22112		24				0.07774	Neg	390800	4757000		
64741-75-9	Residues (Petroleum) hydrocracked	0.001132	22112		24				0.09304	Neg	390800	4757000		
64741-77-1	Light Hydrocracked Distillate (Petrole	0.001331	22112	0.11622	24	9342-CTNN			0.1094	94%	390800	4757000		
64741-81-7	heavy thermal cracked distillate	0.0006505	22112	75	24	SL-JSL	B2	Health	0.05347	0%	390800	4757000		
64741-88-4	Distillates (petroleum), solvent-refine	0.001713	22112	50	24	SL-JSL	B2	Health	0.1408	0%	390800	4757000		
64741-89-5	Distillates (petroleum), solvent-refine	0.001676	22112	50	24	SL-JSL	B2	Health	0.1378	0%	390800	4757000		
64741-95-3	Solvent deasphalted residual oil	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64741-96-4	Distillates (petroleum), solvent-refine	0.001583	22112	175	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64741-97-5	Distillates (petroleum), solvent-refine	0.001478	22112	175	24	SL-JSL	B2	Health	0.1215	0%	390800	4757000		
64742-01-4	Residual oils (petroleum), solvent-ref	0.001583	22112	74	24	SL-PA	B2	Health	0.1301	0%	390800	4757000		
64742-44-5	Distillate (petroleum), clay-treated he	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
64742-45-6	Distillates (petroleum), clay-treated li	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-46-7	Hydrotreated Middle Distillate	0.001457	22112	1750	24	SL-JSL	B2	Health	0.1198	0%	390800	4757000		
64742-47-8	Hydrotreated Light Distillate	0.01377	22112	375	24	SL-JSL	B2	Health	1.676	0%	390700	4757000		
64742-48-9	Hydrotreated Heavy Naphtha	0.02507	22112	2600	24	Standard	B1	Health	4.824	0%	390900	4757000		
64742-49-0	Light aliphatic solvent naphtha	0.007428	22112	1750	24	SL-JSL	B2	Health	1.806	0%	390700	4757000		
64742-52-5	Distillates (petroleum), hydrotreated	0.02169	22112	120	24	SL-MD	B2	Health & Partic	1.783	1%	390800	4757000		
64742-53-6	Distillates (petroleum), hydrotreated	0.00305	22112	500	24	SL-JSL	B2	Health	0.2507	0%	390800	4757000		
64742-54-7	Distillates, petroleum, hydrotreated f	0.003031	22112	120	24	SL-MD	B2	Health & Partic	0.2491	0%	390800	4757000		
64742-55-8	Distillate, petroleum, hydrotreated lig	0.001525	22112	50	24	SL-JSL	B2	Health	0.1253	0%	390800	4757000		
64742-56-9	Distillates (petroleum), solvent-dewa	0.001583	22112	50	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-57-0	Residual oils (petroleum), hydrotreat	0.001583	22112	175	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-58-1	Lubricating oils, petroleum, hydrotrea	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-62-7	Residual oils, petroleum, solvent-dew	0.003067	22112	50	24	SL-JSL	B2	Health	0.2521	1%	390800	4757000		
64742-63-8	Distillates (petroleum), solvent-dewa	0.001583	22112	50	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-64-9	Distillates (petroleum), solvent-dewa	0.001478	22112	175	24	SL-JSL	B2	Health	0.1215	0%	390800	4757000		
64742-65-0	Distillates, petroleum, dewaxed heav	0.002994	22112	500	24	SL-JSL	B2	Health	0.2461	0%	390800	4757000		

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64742-67-2	Foots oil (petroleum)	0.03693	22112	3.2236	24	9342-CTNN			3.036	94%	390800	4757000		
64742-70-7	Paraffin oils (petroleum), catalytic de	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-81-0	Kerosene	0.003192	22112	375	24	SL-JSL	B2	Health	0.2624	0%	390800	4757000		
64742-88-7	Solvent Naphtha Medium Aliphatic	0.06425	22112	2600	24	Standard	B1	Health	12.85	0%	390700	4757000		
64742-89-8	Solvent Naphtha Light Aliphatic	0.01438	22112	2600	24	Standard	B1	Health	3.41	0%	390700	4757000		
64742-94-5	Heavy Aromatic Solvent Naphtha	0.003201	22112	500	24	SL-JSL	B2	Health	0.2594	0%	390800	4757000		
64742-95-6	Light Aromatic Solvent Naphtha	0.1092	22112	500	24	SL-JSL	B2	Health	9.297	2%	390700	4757000		
64743-06-2	Gas oils extracts	0.0007919	22112		24				0.06509	Neg	390800	4757000		
64771-72-8	Norpar 12	0.02788	22112	0.5	24	SL-JSL	B2	Health	0.4386	88%	390600	4757000		a
64771-72-8	Norpar 12	0.02788	22112	0.5	24	SL-JSL	B2	Health	0.4386	88%	390600	4757000		
66071-92-9	Ammonium lignosulfonate	0.001035	22112		24				0.08505	Neg	390800	4757000		
67762-26-9	Fatty acids, C14-18 and C16-18-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
67762-37-2	Fatty acids, C8-18 and C18-unsatd., M	0.0008026	22112	50	24	SL-JSL	B2	Health	0.06597	0%	390800	4757000		
67762-38-3	Fatty acids methyl esters	0.001648	22112	50	24	SL-JSL	B2	Health	0.1355	0%	390800	4757000		
67762-39-4	Fatty-acids, C6-12, Me esters	0.0008001	22112	50	24	SL-JSL	B2	Health	0.06577	0%	390800	4757000		
67762-40-7	Fatty-acids, C10-16, Me esters	0.0007494	22112		24				0.0616	Neg	390800	4757000		
67762-90-7	Siloxanes and Silicones, di-ME, reacti	0.000007347	22112	5	24	SL-PA	B2	Health	0.0008092	0%	390600	4757000		
67784-80-9	Methyl ester, soybean oil	0.04184	22112	80	24	SL-JSL	B2	Health	0.6582	1%	390600	4757000		
67924-34-9	Epoxy Resin	0.00001029	22112	120	24	SL-MD	B2	Health & Partic	0.001134	0%	390600	4757000		
68131-05-5	hydrocarbon oils, process blends	0.001517	22112	0.13245	24	9342-CTNN			0.1247	94%	390800	4757000		
68333-26-6	clarified oils (petroleum), hydrodesulf	0.001409	22112	0.12296	24	9342-CTNN			0.1158	94%	390800	4757000		
68334-30-5	Fuels, diesel	0.04465	22112	350	24	SL-JSL	B2	Health	0.7024	0%	390600	4757000		
68390-63-6	Fatty-acids, castor oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68410-97-9	Light Hydrocarbon Aliphatic Solvent	0.01095	22112	4	24	SL-MD	B2	Health	0.9	22%	390800	4757000		
68425-31-0	Natural Gasoline (C5-C8)	0.003208	22112	1400	24	SL-JSL	B2	Health	0.2637	0%	390800	4757000		
68439-46-3	Alcohols	0.00005789	22112	30	24	SL-JSL	B2	Health	0.05617	0%	390800	4757000		
68440-46-0	Fatty-acids, sperm oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68476-30-2	Fuel oil No. 2	0.003197	22112	50	24	SL-JSL	B2	Health	0.2628	1%	390800	4757000		
68476-33-5	Residual Fuel Oil	0.00489	22112	50	24	SL-JSL	B2	Health	0.402	1%	390800	4757000		
68476-34-6	Diesel Fuel No. 2	0.03299	22112	50	24	SL-JSL	B2	Health	0.519	1%	390600	4757000		
68476-55-1	hydrocarbons, c5 rich	0.05953	22112	7	24	SL-PA	B2	Health	4.893	70%	390800	4757000		
68476-77-7	Lubricating oils, refined used	0.001172	22112		24				0.09632	Neg	390800	4757000		
68476-86-8	Petroleum gases, liquefied, sweetene	0.007796	22112	3.16919	24	9342-CTNN			2.386	75%	390900	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	22112	6.19227	24	9342-CTNN			5.831	94%	390800	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	22112	6.19227	24	9342-CTNN			5.831	94%	390800	4757000		
68478-08-0	Naphtha, petroleum, light steam-crack	0.03678	22112	13.5	24	SL-JSL	B2	Health	3.023	22%	390800	4757000		
68478-17-1	Residues (petroleum), heavy coker ga	0.001593	22112	0.13906	24	9342-CTNN			0.1309	94%	390800	4757000		
68512-62-9	residues (petroleum), light vacuum	0.001204	22112		24				0.09899	Neg	390800	4757000		
68513-65-5	Alkanes, C4	0.0261	22112	2.2781	24	9342-CTNN			2.145	94%	390800	4757000		
68515-43-5	1,2-Benzenedicarboxylic acid	0.003306	22112	120	24	SL-MD	B2	Health & Partic	0.2718	0%	390800	4757000		
68515-73-1	Proprietary mix of alkyl glycoside and n	0.008611	22112	3.79897	24	9342-CTNN			3.099	82%	390900	4757000		
68515-81-1	Nonanol, branched and linear	0.002848	22112	75	24	SL-JSL	B2	Health	0.2341	0%	390800	4757000		
68526-55-6	Nonene	1.014	22112	170	24	SL-JSL	B2	Health	17.51	10%	390600	4757000		
68526-58-9	Alkenes, C11-13, C12-rich	0.001346	22112	0.11754	24	9342-CTNN			0.1107	94%	390800	4757000		
68553-00-4	FCCU Slurry, bunker fuel oil, bunker #	0.001441	22112	0.12583	24	9342-CTNN			0.1185	94%	390800	4757000		
68584-23-6	Benzenesulfonic acid	0.0009461	22112		24				0.07777	Neg	390800	4757000		
68605-02-7	Fatty-acids, fish oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68605-14-1	Fatty-acids, safflower oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68606-26-8	Hydrocarbons, C3	0.001994	22112	0.17408	24	9342-CTNN			0.1639	94%	390800	4757000		
68609-08-5	Cyclohexanemethanamine, 5-amino-3	0.0003306	22112	15	24	SL-JSL	B2	Health & Partic	0.03641	0%	390600	4757000		
68609-97-2	(C12-C14) Alkylglycidylether	0.002544	22112	120	24	SL-MD	B2	Health & Partic	0.168	0%	390600	4757000		
68647-50-7	Fatty acids, C16 and C18-unsatd., Me	0.0008026	22112		24				0.06597	Neg	390800	4757000		

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Emissions Summary Table
(2025-10-28)

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
68647-60-9	Hydrocarbons, C5 and heavier	0.0009554	22112		24				0.07853	Neg	390800	4757000		
68814-87-9	Full Range Straight Run Middle Distillate	0.0823	22112	7.18404	24	9342-CTNN			6.765	94%	390800	4757000		
68915-96-8	Heavy Atmospheric Gas Oil	0.003791	22112	0.33093	24	9342-CTNN			0.3116	94%	390800	4757000		
68919-39-1	NATURAL GAS CONDENSATE C2-8	0.02258	22112	175	24	SL-JSL	B2	Health	1.856	1%	390800	4757000		
68919-53-9	Fatty-acids, soya, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68919-54-0	Fatty acids, sunflower-oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68921-67-5	Hydrocarbons, ethylene-manufacture	0.02059	22112	3.2	24	SL-JSL	B2	Health	1.693	53%	390800	4757000		
68937-80-4	Fatty acids, C16-20 and C16-18-unsatd.	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68937-81-5	Fatty acids, C18 and C18-unsatd., Me esters	0.0008026	22112	120	24	SL-MD	B2	Health & Partic	0.06597	0%	390800	4757000		
68937-83-7	Fatty-acids, C6-10, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68937-84-8	Fatty-acids, C12-18, Me esters	0.0007495	22112		24				0.06161	Neg	390800	4757000		
68938-13-6	Fatty-acids, castor oil, Me esters, hydro	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68952-94-3	Vegetable Oil Soap Stock	0.001592	22112	0.13896	24	9342-CTNN			0.1309	94%	390800	4757000		
68955-27-1	Distillates (petroleum), vacuum	0.001517	22112	120	24	SL-MD	B2	Health & Partic	0.1247	0%	390800	4757000		
68956-48-9	Fuel Oil, Residual, waste-water skimm	0.00128	22112	0.11174	24	9342-CTNN			0.1052	94%	390800	4757000		
68956-68-3	Vegetable oil mists, respirable	0.00333	22112	120	24	SL-MD	B2	Health & Partic	0.2738	0%	390800	4757000		
68990-52-3	Fatty acids, vegetable-oil, Methyl ester	0.000946	22112		24				0.07776	Neg	390800	4757000		
69013-21-4	Fuel oil, pyrolysis	0.04136	22112	12.5	24	SL-JSL	B2	Health	0.6506	5%	390600	4757000		
69430-33-7	Petroleum Distillates	0.001477	22112	122.5	24	SL-JSL	B2	Health	0.1214	0%	390800	4757000		
70514-12-4	Lubricating oils, used	0.0008964	22112		24				0.07368	Neg	390800	4757000		
70592-78-8	Distillate (Petroleum), vacuum C15-C3	0.000788	22112	175	24	SL-JSL	B2	Health	0.06477	0%	390800	4757000		
71011-24-0	Alkyl Dimethylbenzylammoniumbent	0.00002099	22112	15	24	SL-JSL	B2	Health & Partic	0.0002312	0%	390600	4757000		
71888-89-6	Phthalic Esters	0.001772	22112	25	24	SL-JSL	B2	Health	0.4515	2%	390700	4757000		
72623-85-9	Lubricating oils (petroleum), C20-50, f	0.001477	22112	120	24	SL-MD	B2	Health & Partic	0.1214	0%	390800	4757000		
72623-86-0	Lubricating Oils, Petroleum, C15-30, f	0.001525	22112	0.1331	24	9342-CTNN			0.1253	94%	390800	4757000		
72623-87-1	Lubricating Oils, petroleum, C20 -C50	0.001362	22112	0.11885	24	9342-CTNN			0.1119	94%	390800	4757000		
73891-99-3	rape oil, me ester	0.004441	22112		24				0.06634	Neg	390800	4757000		
74499-22-2	Fatty-acids, tall oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
74499-35-7	PHENOL, (TETRAPROPENYL) DERIVS	0.000946	22112		24				0.07776	Neg	390800	4757000		
74869-22-0	Lubricating oils	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
82919-37-7	Methyl pentamethyl-4-piperidinyl est	0.0006819	22112	0.5	24	SL-JSL	B2	Health	0.04502	9%	390600	4757000		
84133-50-6	Secondary Alcohol ethoxylates	0.002778	22112	86	24	SL-PA	B2	Health	1.604	2%	390700	4757000		
84238-16-4	Fatty-acids, mustard oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
84605-29-8	zinc dialkyl dithiophosphate	0.000946	22112	120	24	SL-MD	B2	Health & Partic	0.07776	0%	390800	4757000		a
84819-41-0	borated ester	0.0009446	22112		24				0.07764	Neg	390800	4757000		
84852-15-3	4-nonylphenol (branched)	0.004422	22112	120	24	SL-MD	B2	Health & Partic	0.4592	0%	390600	4757000		
84961-70-6	Benzene, mono-C10-13-alkyl derivs.,	0.001112	22112		24				0.09141	Neg	390800	4757000		
84989-14-0	Calcium Alkylbenzene Sulfonate	0.001469	22112	0.12825	24	9342-CTNN			0.1208	94%	390800	4757000		
85005-41-0	Fatty-acids, lanolin, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85049-38-3	Fatty acids, C14-18 and C16-22-unsatd.	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85117-41-5	Benzene, mono-C-10-14-alkyl derivs.,	0.001475	22112	0.12877	24	9342-CTNN			0.1213	94%	390800	4757000		
85186-80-7	Fatty acids, C14-18 and C18-unsatd.,	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85408-67-9	Fatty acids, C18-24 and C16-24-unsatd.	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85480-42-8	Fatty acids, animal, unsatd., Me ester	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85536-26-1	Fatty-acids, butter, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85566-26-3	Fatty-acids, C8-10, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85566-27-4	Fatty-acids, C12-16, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-20-5	Fatty-acids, C11-17, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-21-6	Fatty-acids, C16-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-25-0	Fatty-acids, rape oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85631-62-5	Fatty-acids, coco, hydrogenated, Me e	0.0008026	22112		24				0.06597	Neg	390800	4757000		
86290-81-5	Gasoline	0.3856	22112	1400	24	SL-JSL	B2	Health	31.69	2%	390800	4757000		

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Emissions Summary Table
(2025-10-28)

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90669-74-2	Residual component of finished oils	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
91002-21-0	Fatty-acids, C14-18-branched, Me est	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-65-1	Fatty-acids, C8-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-66-2	Fatty-acids, C12-20, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-67-3	Fatty-acids, C14-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-06-8	Fatty-acids, essential, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-16-0	Fatty-acids, linseed oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-32-0	Fatty-acids, palm kernel oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-34-2	Fatty-acids, palm oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91672-41-2	Phenol, 2-nonyl-, branched	0.0009221	22112	0.40275	24	9342-CTNN			0.3286	82%	390900	4757000		
91697-62-0	Fatty-acids, rape oil, hydrogenated, M	0.0008026	22112		24				0.06597	Neg	390800	4757000		
92045-41-5	Lubricating oils, used, vacuum distd	0.001177	22112		24				0.09674	Neg	390800	4757000		
93571-83-6	Fatty acids, C16-24 and C16-24-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93572-01-1	Fatty-acids, olive oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93572-08-8	Fatty-acids, peanut oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93819-94-4	zinc bis[O-(6-methylheptyl)] bis[O-(se	0.000946	22112		24				0.07776	Neg	390800	4757000		
94733-11-6	Fatty-acids, C5-20, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
95009-32-8	Fatty-acids, Iris germanica, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
95009-33-9	Fatty-acids, Iris pallida, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
101316-69-2	Distillate, hydrotreated light naphthe	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-70-5	Lubricating oils (petroleum), C17-32,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-71-6	Lubricating oils (petroleum), C20-35,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-72-7	Lubricating oils (petroleum), C24-50,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
102047-28-9	Fatty acids, C16-18 and C16-18-unsat	0.0008026	22112	0.07006	24	9342-CTNN			0.06597	94%	390800	4757000		
121158-58-5	Phenol, dodecyl-, branched	0.0009466	22112		24				0.07781	Neg	390800	4757000		
128683-24-9	Bitumen, oil sand	0.001287	22112	0.11238	24	9342-CTNN			0.1058	94%	390800	4757000		
128683-29-4	Gas oils (oil sand), hydrotreated	0.01242	22112	1.08398	24	9342-CTNN			1.021	94%	390800	4757000		
129828-16-6	Fatty acids, canola-oil, Me esters	0.004441	22112		24				0.06634	Neg	390800	4757000		
135108-88-2	Hydrogenated formaldehyde polymet	0.003074	22112	15	24	SL-JSL	B2	Health & Partic	1.095	7%	390900	4757000		
137398-54-0	Trade Secret	0.0000745	22112		24				0.02681	Neg	390900	4757000		
232268-65-4	Cashew, nutshell liq., 2-hydroxyethyl	0.6771	22112	53.2593	24	9342-CTNN			44.71	84%	390600	4757000		
848301-66-6	kerosene (Fischer Tropsch) full range,	0.00162	22112	0.14144	24	9342-CTNN			0.1332	94%	390800	4757000		
848301-67-7	distillates (Fischer-Tropsch), C8-C26 -	0.001474	22112	0.12866	24	9342-CTNN			0.1212	94%	390800	4757000		
848301-69-9	Distillates (Fischer -Tropsch), heavy, C	0.001417	22112	0.12371	24	9342-CTNN			0.1165	94%	390800	4757000		
911674-82-3	Castor-oil, hydrogenated, N,N'-[1,3-p	0.001365	22112		24				0.09016	Neg	390600	4757000		
928771-01-1	alkanes, C10-C20, branched and linea	0.001075	22112		24				0.0884	Neg	390800	4757000		
1159170-26-9	Fuels, Diesel, C9-18-Alkane Branched	0.001062	22112		24				0.08731	Neg	390800	4757000		
2529890-35-3	Renewable Hydrocarbons	0.001062	22112		24				0.08733	Neg	390800	4757000		
MS	Mineral spirits	0.4615	22112	2600	24	Standard	B1	Health	28.03	1%	390700	4757000		
MS	Mineral spirits	0.4615	22112	26000	24	URT	URT	URT	28.03	0%	390700	4757000		
PM	Suspended particulate matter (< 44 µ	0.04919	22112	120	24	Standard	B1	Visibility	9.33	8%	390900	4757000		
	a - Outliers Removed													

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(2025-10-28)

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0-02-2	Petroleum hydrocarbon based oils	0.0009441	22112		24				0.0776	Neg	390800	4757000		
0-03-3	Styrene-butadiene based polymer	0.001036	22112		24				0.08519	Neg	390800	4757000		
0-04-4	Residual Monomer	0.0009487	22112		24				0.07799	Neg	390800	4757000		
0-05-5	FDA Approved Suspension Aid	0.0009282	22112		24				0.0763	Neg	390800	4757000		
0-06-6	FDA Approved Biocide	0.0009282	22112		24				0.0763	Neg	390800	4757000		
0-08-8	Sulfur compounds	3.217E-07	22112		24				0.0001166	Neg	390900	4757000		
0-09-9	Anti-Stripping Additive	6.435E-08	22112		24				0.00002331	Neg	390900	4757000		
0-11-3	Propylene Glycol Ether (trade secret)	0.0001181	22112		24				0.0301	Neg	390700	4757000		
0-12-4	Corrosion Inhibitors (Trade secret)	0.0001181	22112		24				0.0301	Neg	390700	4757000		
0-21-5	Acrylic copolymer MSDS268	0.000958	22112		24				0.07875	Neg	390800	4757000		
0-22-6	Base oil - highly refined	0.00105	22112		24				0.0863	Neg	390800	4757000		
0-23-7	Base oil - highly refined	0.00105	22112		24				0.0863	Neg	390800	4757000		
0-24-8	Base oil - highly refined	0.001046	22112		24				0.08597	Neg	390800	4757000		
0-25-9	Fischer-Tropsch derived base oil, cons	0.001072	22112		24				0.08814	Neg	390800	4757000		
0-26-0	Fischer-Tropsch derived base oil, cons	0.001084	22112		24				0.08909	Neg	390800	4757000		
0-28-2	Hydrocarbon solvents	0.00109	22112		24				0.08961	Neg	390800	4757000		
0-30-6	Polynuclear aromatics	0.0009464	22112		24				0.07779	Neg	390800	4757000		
0-31-7	Chlorinated solvents	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-32-8	Other C5s	0.0009458	22112		24				0.07774	Neg	390800	4757000		
0-33-9	C6s	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-34-0	Asphaltenes	0.001043	22112		24				0.08569	Neg	390800	4757000		
0-35-1	Polycyclic aromatic hydrocarbons	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-36-2	Diaromatics	0.0009459	22112		24				0.07775	Neg	390800	4757000		
0-37-3	Mixed C7 and C9 alkanes and alkenes	0.001016	22112		24				0.08351	Neg	390800	4757000		
0-38-4	Polycyclic aromatic hydrocarbons	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-39-5	Other ester adducts	0.0009324	22112		24				0.07664	Neg	390800	4757000		
0-40-8	Nonionic Surfactant Blend	0.0009461	22112		24				0.07777	Neg	390800	4757000		
0-41-9	AN86136	0.001139	22112		24				0.0936	Neg	390800	4757000		
0-42-0	Polyolefin amid alkeneamine	0.000946	22112		24				0.07776	Neg	390800	4757000		
0-43-1	Interchangeable low viscosity base oil	0.001017	22112		24				0.08356	Neg	390800	4757000		
0-46-4	Interchangeable low viscosity base oil	0.00102	22112		24				0.08384	Neg	390800	4757000		
0-47-5	Interchangeable low viscosity base oil	0.001019	22112		24				0.08375	Neg	390800	4757000		
0-48-6	hexane (mixture of isomers)	0.0009798	22112		24				0.08054	Neg	390800	4757000		
0-54-4	Hybase M-401 (Unknown -No Hazard)	0.0009507	22112		24				0.07815	Neg	390800	4757000		
0-55-5	Paraffinic hydrocarbons	0.001097	22112		24				0.09016	Neg	390800	4757000		
0-56-6	Paraffinic hydrocarbons	0.001097	22112		24				0.09016	Neg	390800	4757000		
0-57-7	Severely treated base oils	0.001161	22112		24				0.09544	Neg	390800	4757000		
0-58-8	Severely treated base oils	0.00111	22112		24				0.09121	Neg	390800	4757000		
0-59-9	Severely treated base oils	0.001161	22112		24				0.09544	Neg	390800	4757000		
0-60-2	Severely treated base oils	0.001084	22112		24				0.0891	Neg	390800	4757000		
0-61-3	Accelco Full Synthetic Dexos1 5W-30	0.001102	22112		24				0.09058	Neg	390800	4757000		
0-62-4	SYNTON PAO100 (Unknown - Non haz	0.0008597	22112		24				0.07067	Neg	390800	4757000		a
0-63-5	Acrylic Resins	0.0001126	22112		24				0.0287	Neg	390700	4757000		
0-64-6	Paraffins & Isoparaffins	0.00117	22112		24				0.09621	Neg	390800	4757000		
1-01-4	CTS-045 Additives	0.000002099	22112		24				0.0002312	Neg	390600	4757000		
1-02-5	CTS-CM142 Dispersant	0.000002099	22112		24				0.0002312	Neg	390600	4757000		
1-31-0	Heavies	0.001151	22112		24				0.09462	Neg	390800	4757000		
1-31-0	Heavies	0.001151	22112		24				0.09462	Neg	390800	4757000		
1-34-3	Slack Wax	0.001097	22112		24				0.09016	Neg	390800	4757000		
1-35-4	Severely treated base oils	0.001148	22112		24				0.09438	Neg	390800	4757000		
1-36-5	Slack Wax	0.00111	22112		24				0.09121	Neg	390800	4757000		
1-37-6	Severely treated base oils	0.001084	22112		24				0.0891	Neg	390800	4757000		

Table 4:
Emissions Summary Table
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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
1-38-7	C4 Hydrocarbons	0.0008153	22112		24				0.06702	Neg	390800	4757000		
1-39-8	SYNTON PAO40 (Unknown - Non haza	0.001097	22112		24				0.09016	Neg	390800	4757000		
1-40-1	Cascowax EW-58S (Unknown - Non ha	0.001069	22112		24				0.08787	Neg	390800	4757000		
50-00-0	Formaldehyde	0.2016	22112	65	24	Standard	B1	Health	8.212	13%	390600	4757000		
56-81-5	Glycerol	0.002415	22112	120	24	SL-MD	B2	Health & Partic	0.1617	0%	390800	4757000		
57-55-6	Propylene Glycol	0.0009149	22112	120	24	Guideline	B1	Particulate	0.1806	0%	390700	4757000		
64-17-5	Ethyl alcohol	1.575	22112	19000	1	Guideline	B1	Odour	317.3	2%	390700	4757000		
64-18-6	Formic acid	0.004594	22112	500	24	Standard	B1	Health	0.3776	0%	390800	4757000		
64-67-5	diethyl sulfate	0.04371	22112	5	24	SL-JSL	B2	Health	3.593	72%	390800	4757000		
67-56-1	Methanol	0.0702	22112	4000	24	Standard	B1	Health	5.543	0%	390800	4757000		
67-63-0	Isopropyl alcohol	0.6818	22112	7300	24	Standard	B1	Health	41.13	1%	390600	4757000		
67-63-0	Isopropyl alcohol	0.6818	22112	73000	24	URT	URT	URT	41.13	0%	390600	4757000		
67-64-1	Acetone	0.06926	22112	11880	24	Standard	B1	Health	5.417	0%	390800	4757000		
67-64-1	Acetone	0.06926	22112	118800	24	URT	URT	URT	5.417	0%	390800	4757000		
67-66-3	Chlorofom	0.0001863	22112	1	24	Standard	B1	Health	0.06703	7%	390900	4757000		
67-66-3	Chlorofom	0.0001863	22112	100	24	URT	URT	URT	0.06703	0%	390900	4757000		
68-12-2	N,N-Dimethylformamide	0.003478	22112	150	24	SL-JSL	B2	Health	0.2859	0%	390800	4757000		
71-23-8	n-Propyl Alcohol - N-C3-OH	0.04809	22112	16000	24	Guideline	B1	Health	0.7565	0%	390600	4757000		
71-36-3	n-Butyl alcohol	0.0239	22112	2100	0.1667	Guideline	B1	Health	3.234	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.01447	22112	920	24	Standard	B1	Health	1.189	0%	390800	4757000		
71-36-3	n-Butyl alcohol	0.01447	22112	6000	24	URT	URT	URT	1.189	0%	390800	4757000		
71-43-2	Benzene	0.1449	22112	100	24	SL-DAV	DAV	DAV	2.279	2%	390600	4757000		
71-43-2	Benzene	0.1449	22112	100	24	URT	URT	URT	2.279	2%	390600	4757000		
71-43-2	Benzene	0.1449	22112	4.5	8760	SL-AAV	AAV	AAV	0.1207	3%	390800	4757000		
71-43-2	Benzene	0.1449	22112	0.45	8760	Standard	B1	Health	0.1207	27%	390800	4757000		
74-82-8	Methane	0.06096	22112	37330	24	SL-PA	B2	Health	2.423	0%	390800	4757000		
74-84-0	Ethane	0.6298	22112	14500	24	SL-JSL	B2	Health	25.75	0%	390800	4757000		
74-87-3	Methyl chloride	0.0263	22112	320	24	Standard	B1	Health	2.162	1%	390800	4757000		
74-87-3	Methyl chloride	0.0263	22112	3200	24	URT	URT	URT	2.162	0%	390800	4757000		
74-89-5	Monomethyl Amine	0.00001007	22112	25	24	Guideline	B1	Odour	0.0008277	0%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	22112	8	24	Standard	B1	Health	6.221	78%	390800	4757000		
74-90-8	Hydrogen Cyanide	0.07568	22112	80	24	URT	URT	URT	6.221	8%	390800	4757000		
74-93-1	Mercaptans (As Methyl Mercaptan) -	0.00002442	22112		24				0.002007	Neg	390800	4757000		
74-98-6	Propane	3.166	22112	215000	24	SL-JSL	B2	Health	130.2	0%	390800	4757000		
74-99-7	1-Propyne	0.8236	22112	8200	24	SL-JSL	B2	Health	33.89	0%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	22112	1	24	Standard	B1	Health	0.7773	78%	390800	4757000		
75-01-4	Vinyl Chloride	0.009457	22112	100	24	URT	URT	URT	0.7773	1%	390800	4757000		
75-08-1	Ethyl Mercaptan	0.002607	22112	0.1139	24	Submitted i			0.1073	94%	390800	4757000		
75-09-2	Methylene Chloride	0.02362	22112	220	24	Standard	B1	Health	7.447	3%	390900	4757000		
75-09-2	Methylene Chloride	0.02362	22112	22000	24	URT	URT	URT	7.447	0%	390900	4757000		
75-15-0	Carbon Disulfide	0.6405	22112	330	24	Guideline	B1	Odour	26.38	8%	390800	4757000		
75-28-5	Isobutane - 2-ME-C3	4.247	22112	3550	24	SL-JSL	B2	Health	173.4	5%	390800	4757000		
75-50-3	Trimethyl Amine - TM-AMINE	0.0007667	22112	0.5	1	Guideline	B1	Odour	0.1038	21%	390800	4757000		
75-56-9	Propylene oxide	0.0002362	22112	1.5	24	Standard	B1	Health	0.07447	5%	390900	4757000		
75-56-9	Propylene oxide	0.0002362	22112	150	24	URT	URT	URT	0.07447	0%	390900	4757000		
75-65-0	tert-Butyl alcohol	0.005514	22112	30300	24	Guideline	B1	Health	0.4533	0%	390800	4757000		
75-83-2	2,2-Dimethyl Butane - 22-DM-C4	1.643	22112	1750	24	SL-JSL	B2	Health	135.1	8%	390800	4757000		
77-73-6	Dicyclopentadiene	0.04246	22112	135	24	SL-JSL	B2	Health	0.668	0%	390600	4757000		
77-78-1	dimethyl sulfate	0.00628	22112	2.5	24	SL-JSL	B2	Health	0.5162	21%	390800	4757000		
77-99-6	Trimethylpropane	0.00003069	22112	120	24	SL-MD	B2	Health & Partic	0.002027	0%	390600	4757000		
78-00-2	TETRAETHYL LEAD	0.002945	22112		24				0.04633	Neg	390600	4757000		a
78-78-4	Iso-Pentane - 2-ME-C4	1.203	22112	35500	24	SL-JSL	B2	Health	52.08	0%	390800	4757000		

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78-79-5	Isoprene	0.3892	22112	60	24	SL-JSL	B2	Health	31.99	53%	390800	4757000		
78-83-1	i-Butyl alcohol	0.3013	22112	2340	0.1667	Standard	B1	Health	71.23	3%	390600	4757000		
78-83-1	i-Butyl alcohol	0.1824	22112	4600	24	Standard	B1	Health	18.3	0%	390600	4757000		
78-83-1	i-Butyl alcohol	0.1824	22112	16000	24	URT	URT	URT	18.3	0%	390600	4757000		
78-92-2	sec-Butyl alcohol	0.003928	22112	1500	24	SL-JSL	B2	Health	0.3229	0%	390800	4757000		
78-93-3	Methyl ethyl ketone	1.226	22112	1000	24	Standard	B1	Health	75.93	8%	390600	4757000		
78-93-3	Methyl ethyl ketone	1.226	22112	10000	24	URT	URT	URT	75.93	1%	390600	4757000		
79-29-8	2,3-dimethylbutane	0.09432	22112	1750	24	SL-JSL	B2	Health	7.753	0%	390800	4757000		
80-62-6	Methyl methacrylate	0.02894	22112	860	24	Guideline	B1	Odour	7.919	1%	390900	4757000		
90-12-0	1-Methyl naphthalene	0.004791	22112	35.5	24	SL-JSL	B2	Health	0.3938	1%	390800	4757000		
90-72-2	2,4,6-tris(dimethylaminomethyl)pher	0.0001387	22112	35	24	SL-JSL	B2	Health	0.009156	0%	390600	4757000		
91-22-5	Quinoline	0.00006029	22112	0.005	24	SL-JSL	B2	Health	0.0042	84%	390800	4757000		a
91-57-6	2-Methyl naphthalene	0.0004625	22112	35.5	24	SL-JSL	B2	Health	0.03802	0%	390800	4757000		
95-13-6	Indene - INDENE	0.04203	22112	120	24	SL-JSL	B2	Health	0.6612	1%	390600	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	22112	220	24	Standard	B1	Health	7.994	4%	390700	4757000		
95-63-6	1,2,4-Trimethylbenzene	0.03562	22112	2200	24	URT	URT	URT	7.994	0%	390700	4757000		
96-14-0	PENTANE, 3-METHYL-	0.4644	22112	1750	24	SL-JSL	B2	Health	19.24	1%	390800	4757000		
96-29-7	2-butanone	0.001893	22112	12.5	24	SL-JSL	B2	Health	0.4543	4%	390900	4757000		
96-37-7	Methyl cyclopentane	0.3391	22112	3500	24	SL-JSL	B2	Health	13.96	0%	390800	4757000		
98-00-0	Furfuryl Alcohol	0.003934	22112	1000	24	Standard	B1	Health	0.3234	0%	390800	4757000		
98-29-3	4-Tert-butylcatechol	0.0004283	22112	10	24	SL-JSL	B2	Health	0.03521	0%	390800	4757000		
98-54-4	4-tert-Butylphenol	0.001261	22112	1.9	24	SL-JSL	B2	Health	0.335	18%	390900	4757000		
98-82-8	Isopropyl benzene	0.003074	22112	400	24	Standard	B1	Health	0.2527	0%	390800	4757000		
100-40-3	Dimers	0.0006483	22112	5	24	SL-JSL	B2	Health	0.05329	1%	390800	4757000		
100-41-4	Ethylbenzene	0.9641	22112	1900	0.1667	Guideline	B1	Health	496.3	26%	390900	4757000		
100-41-4	Ethylbenzene	0.5838	22112	1000	24	Standard	B1	Health	47.56	5%	390900	4757000		
100-41-4	Ethylbenzene	0.5838	22112	10000	24	URT	URT	URT	47.56	0%	390900	4757000		
100-42-5	Styrene	0.04729	22112	400	24	Standard	B1	Health	0.7439	0%	390600	4757000		
100-51-6	Benzyl alcohol	1.087	22112	880	24	Guideline	B1	Health	117	13%	390600	4757000		
101-81-5	Diphenylmethane	0.002881	22112	6.25	24	SL-JSL	B2	Health	0.2368	4%	390800	4757000		
102-25-0	1,3,5-Triethylbenzene	0.002878	22112	122.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
103-23-1	Di-ethylhexyladipate	0.003136	22112	60	24	SL-JSL	B2	Health	0.2578	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	22112	120	24	SL-MD	B2	Health & Partic	0.09466	0%	390800	4757000		
103-29-7	1,2-Diphenylethane	0.001152	22112	120	24	SL-MD	B2	Health & Partic	0.09466	0%	390800	4757000		
103-65-1	n-Propyl Benzene - N-C3-BEN	0.1201	22112	1250	24	SL-JSL	B2	Health	9.868	1%	390800	4757000		
104-43-8	4-DODECYLPHENOL	0.000946	22112		24				0.07776	Neg	390800	4757000		
104-78-9	N,N-Diethyl-1,3-propanediamine	0.05573	22112	65	24	SL-JSL	B2	Health	6.137	9%	390600	4757000		
105-05-5	p-Diethylbenzene	0.03148	22112	125	24	SL-JSL	B2	Health	2.587	2%	390800	4757000		
106-89-8	Epichlorohydrin	0.0009688	22112	4	24	SL-JSL	B2	Health	0.3487	9%	390900	4757000		
106-93-4	Ethylene dibromide	0.03091	22112	3	24	SL-JSL	B2	Health	0.4863	16%	390600	4757000		
106-97-8	Butane	4.246	22112	3550	24	SL-JSL	B2	Health	173.4	5%	390800	4757000		
106-98-9	1-Butene - 1-BUTENE	1.136	22112	7000	24	SL-JSL	B2	Health	46.75	1%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	300	24	SL-DAV	DAV	DAV	45.14	15%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	300	24	URT	URT	URT	45.14	15%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	20	8760	SL-AAV	AAV	AAV	1.788	9%	390800	4757000		
106-99-0	1,3-Butadiene	1.097	22112	2	8760	Standard	B1	Health	1.788	89%	390800	4757000		
107-00-6	1-Butyne	0.005814	22112	0.5	24	SL-JSL	B2	Health	0.3878	78%	390800	4757000		
107-01-7	2-Butene	1.136	22112	2400	24	SL-JSL	B2	Health	46.75	2%	390800	4757000		
107-21-1	Ethylene Glycol	0.003786	22112	12700	24	Guideline	B1	Health	0.3112	0%	390800	4757000		
107-22-2	Glyoxal	0.01892	22112	2	24	SL-MD	B2	Health	1.555	78%	390800	4757000		
107-31-3	Methyl Formate - ME-FORM	0.3999	22112	600	24	SL-JSL	B2	Health	32.87	5%	390800	4757000		
107-39-1	Diisobutylene	0.003823	22112	0.5	24	SL-JSL	B2	Health	0.3142	63%	390800	4757000		

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107-40-4	2,4,4-Trimethyl-2-pentene	0.0008474	22112	285	24	SL-JSL	B2	Health	0.06965	0%	390800	4757000		
107-83-5	2-Methylpentane	0.5075	22112	1750	24	SL-JSL	B2	Health	20.89	1%	390800	4757000		
107-98-2	Propylene glycol methyl ether	3.278	22112	121000	0.1667	Guideline	B1	Odour	780.5	1%	390700	4757000		
108-08-7	2,4-DIMETHYLPENTANE	0.01471	22112	1750	24	SL-JSL	B2	Health	1.209	0%	390800	4757000		
108-10-1	Methyl isobutyl ketone	0.01116	22112	1200	24	Guideline	B1	Odour	3.505	0%	390900	4757000		
108-65-6	Propylene glycol monomethyl ether a	0.00085	22112	5000	24	Guideline	B1	Odour	0.2166	0%	390700	4757000		
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	22112	220	24	Standard	B1	Health	4.975	2%	390700	4757000		
108-67-8	1,3,5-Trimethyl Benzene - 135-TMB	0.02318	22112	2200	24	URT	URT	URT	4.975	0%	390700	4757000		
108-87-2	Methylcyclohexane - ME-CYCC6	0.07434	22112	8050	24	SL-JSL	B2	Health	1.164	0%	390600	4757000		
108-88-3	Toluene	0.6726	22112	2000	24	Guideline	B1	Odour	197.3	10%	390900	4757000		
108-94-1	Cyclohexanone - CC6-KET	0.2166	22112	400	24	SL-JSL	B2	Health	21.37	5%	390700	4757000		
108-95-2	Phenol	0.001323	22112	30	24	Standard	B1	Health	0.08738	0%	390600	4757000		
108-95-2	Phenol	0.001323	22112	300	24	URT	URT	URT	0.08738	0%	390600	4757000		
109-60-4	Propyl acetate, n-	0.09107	22112	6600	24	Guideline	B1	Health	1.433	0%	390600	4757000		
109-66-0	n-Pentane - N-C5	0.8908	22112	35500	24	SL-JSL	B2	Health	38.99	0%	390800	4757000		
109-67-1	1-Pentene - 1-PENTEN	1.214	22112	2050	24	SL-JSL	B2	Health	49.96	2%	390800	4757000		
109-68-2	2-pentene	0.0009807	22112		24				0.08061	Neg	390800	4757000		
110-02-1	Thiophene	0.1297	22112	28.5	24	SL-JSL	B2	Health	2.04	7%	390600	4757000		
110-43-0	2-Heptanone - C7-KET-2	0.01344	22112	4600	24	Guideline	B1	Health	2.332	0%	390700	4757000		
110-54-3	n-Hexane	0.3889	22112	2500	24	Standard	B1	Health	16	1%	390800	4757000		
110-54-3	n-Hexane	0.3889	22112	25000	24	URT	URT	URT	16	0%	390800	4757000		
110-82-7	Cyclohexane	0.1364	22112	6100	24	Standard	B1	Health	2.132	0%	390600	4757000		
110-82-7	Cyclohexane	0.1364	22112	61000	24	URT	URT	URT	2.132	0%	390600	4757000		
111-46-6	Diethylene glycol	0.003966	22112	1000	24	SL-JSL	B2	Health	0.326	0%	390800	4757000		
111-65-9	n-Octane	0.3669	22112	61800	0.1667	Guideline	B1	Odour	10.27	0%	390600	4757000		
111-66-0	1-Octene	0.002584	22112	50000	24	Guideline	B1	Health	0.2124	0%	390800	4757000		
111-67-1	Octene-2	0.006369	22112		24				0.09968	Neg	390600	4757000		
111-76-2	2-Butoxy ethanol	0.3019	22112	500	0.1667	Guideline	B1	Odour	83.01	17%	390900	4757000		
111-76-2	2-Butoxy ethanol	0.1828	22112	2400	24	Guideline	B1	Health	11.26	0%	390600	4757000		
111-77-3	Diethylene Glycol Methyl Ether	0.002794	22112	1200	24	Guideline	B1	Health	0.2297	0%	390800	4757000		
111-84-2	n-Nonane	0.04467	22112	5250	24	SL-JSL	B2	Health	0.7028	0%	390600	4757000		
112-07-2	2-Butoxyethyl acetate	0.02337	22112	700	0.1667	Guideline	B1	Odour	3.163	0%	390800	4757000		
112-07-2	2-Butoxyethyl acetate	0.01415	22112	3250	24	Guideline	B1	Health	1.163	0%	390800	4757000		
112-88-9	1-Octadecene	0.02387	22112	285	24	SL-JSL	B2	Health	1.962	1%	390800	4757000		
115-07-1	Propylene	3.049	22112	4000	24	Standard	B1	Health	125.5	3%	390800	4757000		
115-07-1	Propylene	3.049	22112	40000	24	URT	URT	URT	125.5	0%	390800	4757000		
115-11-7	Isobutene - ISOBUTEN	4.066	22112	7000	24	SL-JSL	B2	Health	167.3	2%	390800	4757000		
115-86-6	Triphenyl Phosphate	0.000006901	22112	35.5	24	SL-JSL	B2	Health	0.00076	0%	390600	4757000		
119-61-9	Benzophenone	0.00009569	22112	1	24	SL-JSL	B2	Health	0.006318	1%	390600	4757000		
119-61-9	Benzophenone	0.00009569	22112	1	24	SL-JSL	B2	Health	0.006318	1%	390600	4757000		
122-39-4	Diphenylamine	0.004994	22112	17.5	24	Guideline	B1	Health	0.07215	0%	390600	4757000		
123-39-7	n-methylformamide	0.003256	22112	5.5	24	SL-JSL	B2	Health	0.2677	5%	390800	4757000		
123-54-6	2,4-Pentanedione	0.0355	22112	415	24	SL-JSL	B2	Health	0.5585	0%	390600	4757000		
123-86-4	n-Butyl acetate	0.01602	22112	1000	0.1667	Guideline	B1	Odour	12.27	1%	390600	4757000		
123-86-4	n-Butyl acetate	0.009699	22112	15000	1	Guideline	B1	Health	7.427	0%	390600	4757000		
124-09-4	Hexamethylenediamine	0.003068	22112	16	24	Guideline	B1	Health	0.2522	2%	390800	4757000		
124-18-5	n-Decane	0.1554	22112	60000	1	Guideline	B1	Health & Odou	4.349	0%	390600	4757000		
124-38-9	Carbon Dioxide	0.6901	22112	255800	24	SL-PA	B2	Health	40.14	0%	390900	4757000		
124-40-3	Dimethylamine	2.078	22112	1840	1	Guideline	B1	Health & Odou	281.2	15%	390800	4757000		
135-01-3	o-Diethylbenzene	0.03148	22112	125	24	SL-JSL	B2	Health	2.588	2%	390800	4757000		
136-52-7	Cobalt 2-ethylhexanoate	0.00002479	22112	0.6	24	SL-MD	B2	Health	0.00577	1%	390900	4757000		
141-32-2	Butyl acrylate	0.0004601	22112	120	24	Guideline	B1	Particulate	0.03782	0%	390800	4757000		

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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
142-29-0	Cyclopentene - CYC-PNTE	0.08585	22112	25	24	SL-JSL	B2	Health	7.057	28%	390800	4757000		
142-82-5	n-heptane	0.09664	22112	11000	24	Standard	B1	Health	1.52	0%	390600	4757000		
147-14-8	Phthalocyanine Blue Pigment	0.0000105	22112	105	24	SL-JSL	B2	Health	0.0001156	0%	390600	4757000		
287-92-3	Cyclopentane - CYCC5	2.201	22112	1700	24	SL-JSL	B2	Health	141.3	8%	390800	4757000		
463-49-0	1,2-Propadiene	0.06743	22112	4.95	24	SL-JSL	B2	Health	3.852	78%	390800	4757000		
463-82-1	Dimethylpropane	1.446	22112	35500	24	SL-JSL	B2	Health	59.49	0%	390800	4757000		
464-06-2	2,2,3-Trimethylbutane	0.02495	22112	175	24	SL-JSL	B2	Health	2.051	1%	390800	4757000		
471-34-1	Carbonic acid calcium salt (1:1)	0.0003402	22112	15	24	SL-JSL	B2	Health & Partic	0.05937	0%	390900	4757000		
504-60-9	1-methylbutadiene (1,3-pentadiene)	0.04647	22112	100	24	SL-JSL	B2	Health	3.82	4%	390800	4757000		
513-35-9	2-Methyl-2-Butene - 2M-2-BUT	0.0555	22112	530	24	SL-JSL	B2	Health	4.562	1%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	22112	220	24	Standard	B1	Health	0.01058	0%	390800	4757000		
526-73-8	1,2,3-Trimethyl Benzene	0.0001287	22112	2200	24	URT	URT	URT	0.01058	0%	390800	4757000		
538-93-2	Isobutyl benzene	0.002878	22112	62.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
540-84-1	2,2,4-Trimethyl Pentane - 224TM-C5	0.09278	22112	1750	24	SL-JSL	B2	Health	1.46	0%	390600	4757000		
542-92-7	Cyclopentadiene - CYC-PNDE	0.04928	22112	1000	24	SL-JSL	B2	Health	4.051	0%	390800	4757000		
562-49-2	3,3-DIMETHYLPENTANE	0.0009461	22112		24				0.07777	Neg	390800	4757000		
563-45-1	3-Methylbutene	0.1271	22112	1115	24	SL-JSL	B2	Health	5.229	0%	390800	4757000		
565-59-3	2,3-DIMETHYLPENTANE	0.01817	22112	1750	24	SL-JSL	B2	Health	1.494	0%	390800	4757000		
589-34-4	3-METHYLHEXANE	0.01047	22112	1535	24	SL-JSL	B2	Health	0.8604	0%	390800	4757000		
590-18-1	cis-2-Butene	0.5671	22112	2400	24	SL-JSL	B2	Health	46.61	2%	390800	4757000		
590-19-2	1,2-Butadiene	0.07426	22112	4.95	24	SL-JSL	B2	Health	3.853	78%	390800	4757000		
590-35-2	2, 2-DIMETHYLPENTANE	0.1605	22112	175	24	SL-JSL	B2	Health	13.2	8%	390800	4757000		
591-76-4	HEXANE, 2-METHYL-	0.01105	22112	1535	24	SL-JSL	B2	Health	0.9079	0%	390800	4757000		
592-41-6	1-Hexene	0.3467	22112	850	24	SL-JSL	B2	Health	14.37	2%	390800	4757000		
592-57-4	1,3-Cyclohexadiene	0.0009421	22112		24				0.07744	Neg	390800	4757000		
598-25-4	3-Methyl-1,2-butadiene	0.04684	22112	4.95	24	SL-JSL	B2	Health	3.85	78%	390800	4757000		
598-53-8	methyl isopropyl ether	0.0149	22112	125	24	SL-JSL	B2	Health	5.363	4%	390900	4757000		
612-00-0	Benzene, 1,1'-ethyldienebis-	0.01296	22112	3.5	24	SL-JSL	B2	Health	1.065	30%	390800	4757000		
612-00-0	Benzene, 1,1'-ethyldienebis-	0.01296	22112	3.5	24	SL-JSL	B2	Health	1.065	30%	390800	4757000		
616-38-6	Dimethyl carboate	0.0009563	22112	920	24	SL-MD	B2	Health	0.2436	0%	390700	4757000		
624-64-6	trans-2-Butene	0.5671	22112	2400	24	SL-JSL	B2	Health	46.61	2%	390800	4757000		
629-73-2	1-Hexadecene	0.02366	22112	85	24	SL-JSL	B2	Health	1.945	2%	390800	4757000		
635-81-4	1,2,4,5-Tetraethylbenzene	0.005211	22112	122.5	24	SL-JSL	B2	Health	0.4284	0%	390800	4757000		
637-92-3	Ethyl t-Butyl Ether - ETBE	0.2287	22112	1250	24	SL-JSL	B2	Health	18.8	2%	390800	4757000		
687-47-8	(-)-Ethyl L-lactate	0.000917	22112		24				0.07538	Neg	390800	4757000		
689-97-4	1-Buten-3-yne	1.058	22112	820	24	SL-JSL	B2	Health	43.52	5%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
760-21-4	2-Ethyl-1-Butene	0.002325	22112	0.20299	24	9342-CTNN			0.1911	94%	390800	4757000		
827-52-1	Cyclohexylbenzene	0.002878	22112	0.5	24	SL-JSL	B2	Health	0.2366	47%	390800	4757000		
872-05-9	1-Decene - 1-C10E	0.0004139	22112	60000	24	Guideline	B1	Health	0.03403	0%	390800	4757000		
877-44-1	1,2,4-Triethylbenzene	0.002878	22112	122.5	24	SL-JSL	B2	Health	0.2366	0%	390800	4757000		
994-05-8	Methyl t-Amyl Ether - MTAE	0.01211	22112	400	24	SL-JSL	B2	Health	0.9954	0%	390800	4757000		
1120-21-4	Undecane	0.04119	22112	175	24	SL-JSL	B2	Health	0.6479	0%	390600	4757000		
1120-36-1	1-Tetradecene	0.09504	22112	500	24	SL-JSL	B2	Health	7.812	2%	390800	4757000		
1241-94-7	Phosphoric acid 2-ethylhexyl diphenyl	0.0000963	22112	5	24	SL-JSL	B2	Health	0.01061	0%	390600	4757000		
1317-61-9	Iron oxide (Fe3O4)	0.0006804	22112	25	24	SL-MD	B2	Health & Soilin	0.1187	0%	390900	4757000		
1317-65-3	Limestone	0.01364	22112	15	24	SL-JSL	B2	Health & Partic	0.9004	6%	390600	4757000		
1319-77-3	Cresol (mixed isomers)	0.0004798	22112	75	24	Standard	B1	Health	0.03944	0%	390800	4757000		
1330-20-7	Xylene	2.775	22112	3000	0.1667	Guideline	B1	Health	1562	52%	390900	4757000		
1330-20-7	Xylene	1.68	22112	730	24	Standard	B1	Health	152.7	21%	390900	4757000		
1330-20-7	Xylene	1.68	22112	7300	24	URT	URT	URT	152.7	2%	390900	4757000		

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1332-58-7	Aluminum Silicate Hydrate	0.001222	22112	10	24	SL-JSL	B2	Health	0.1821	2%	390900	4757000		
1333-86-4	Pigment Black 7	0.01399	22112	10	24	Standard	B1	Soiling	0.9069	9%	390600	4757000		
1336-21-6	Ammonium hydroxide	0.08694	22112	500	24	SL-JSL	B2	Health	7.146	1%	390800	4757000		
1344-28-1	Aluminum oxide	0.00004536	22112	120	24	Guideline	B1	Particulate	0.007916	0%	390900	4757000		
1477-55-0	m-Xylylenediamine	0.0002255	22112	1	24	SL-MD	B2	Health	0.01481	1%	390600	4757000		
1574-41-0	Cis-1,3-pentadiene	0.04087	22112	100	24	SL-JSL	B2	Health	3.359	3%	390800	4757000		
1632-16-2	Heptane, 3-methylene-	0.005395	22112	170	24	SL-JSL	B2	Health	0.4435	0%	390800	4757000		
1634-04-4	Methyl tert-butyl ether	0.3025	22112	7000	24	Guideline	B1	Health	24.86	0%	390800	4757000		
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]prop	0.04258	22112	120	24	SL-PA	B2	Health	2.734	2%	390600	4757000		
1761-71-3	Cycloaliphatic amine	0.007992	22112	30	24	SL-JSL	B2	Health	2.848	9%	390900	4757000		
2004-70-8	trans-1,3 pentadiene	0.004463	22112	90	24	SL-JSL	B2	Health	0.3669	0%	390800	4757000		
2215-35-2	Zinc O,O',O',O'-tetrakis(1,3-dimethylb	0.0008282	22112	120	24	SL-MD	B2	Health & Partic	0.06808	0%	390800	4757000		
2530-83-8	Glycidoxypropyltrimethoxysilane	0.06901	22112	111	24	SL-PA	B2	Health	7.6	7%	390600	4757000		
2855-13-2	Isophorone Diamine	0.0007746	22112	19	24	SL-JSL	B2	Health	0.08531	0%	390600	4757000		
3404-75-9	3-methyl-2-heptene	0.0006694	22112		24				0.05503	Neg	390800	4757000		
4259-15-8	zinc dialkyl dithiophosphate	0.001361	22112	120	24	SL-MD	B2	Health & Partic	0.1119	0%	390800	4757000		
6842-15-5	Propylene Tetramers	0.001352	22112	22	24	SL-JSL	B2	Health	0.1111	1%	390800	4757000		
7320-34-5	Tetrapotassium pyrophosphate	0.0001158	22112	50	24	SL-PA	B2	Health	0.1123	0%	390800	4757000		
7429-90-5	Aluminum	0.002505	22112	12	24	SL-JSL	B2	Health	0.4452	4%	390900	4757000		
7439-89-6	Iron	0.0005893	22112	4	24	Standard	B1	Health	0.1356	3%	390600	4757000		
7439-93-2	Lithium	0.00002975	22112	20	24	Standard	B1	Health	0.005191	0%	390900	4757000		
7439-95-4	Magnesium	0.0001333	22112	72	24	SL-MD	B2	Health	0.02377	0%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0002345	22112	0.4	24	Standard	B1	Health	0.04096	10%	390900	4757000		
7439-96-5	Manganese and Manganese Compou	0.0002345	22112	4	24	URT	URT	URT	0.04096	1%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	2	24	SL-DAV	DAV	DAV	0.007283	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	2	24	URT	URT	URT	0.007283	0%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	0.04	8760	SL-AAV	AAV	AAV	0.001027	3%	390900	4757000		
7440-02-0	Nickel and Nickel Compounds	0.00004173	22112	0.4	8760	Standard	B1	Health	0.001027	0%	390900	4757000		
7440-09-7	Potassium	0.0004667	22112	10	24	SL-JSL	B2	Health	0.07304	1%	390900	4757000		
7440-21-3	Silicon	0.002737	22112	27	24	SL-PA	B2	Health	0.1864	1%	390900	4757000		
7440-32-6	Titanium	0.01075	22112	120	24	Standard	B1	Particulate	2.532	2%	390900	4757000		
7440-39-3	Barium	0.000196	22112	10	24	Guideline	B1	Health	0.02159	0%	390600	4757000		
7440-44-0	Carbon	8.563E-07	22112	15	24	SL-JSL	B2	Health	0.0009555	0%	390600	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.0001188	22112	0.5	24	Standard	B1	Health	0.02074	4%	390900	4757000		
7440-47-3	Chromium Compounds (metallic, diva	0.0001188	22112	5	24	URT	URT	URT	0.02074	0%	390900	4757000		
7440-48-4	Cobalt	0.000007455	22112	0.1	24	Guideline	B1	Health	0.001722	2%	390900	4757000		
7440-50-8	Copper	0.0001544	22112	50	24	Standard	B1	Health	0.02692	0%	390900	4757000		
7440-66-6	Zinc	0.00001812	22112	120	24	Standard	B1	Particulate	0.003888	0%	390900	4757000		
7440-67-7	Zirconium (and compounds)	0.000004536	22112	25	24	SL-JSL	B2	Health	0.0007916	0%	390900	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	100	1	Standard	B1	Health & Veget	1.493	1%	390800	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	100	1	URT	URT	Health	1.493	1%	390800	4757000		
7446-09-5	Sulphur dioxide	0.01103	22112	275	24	Standard	B1	Health & Veget	0.9067	0%	390800	4757000		
7447-40-7	Potassium Chloride	0.0006804	22112	20	24	SL-PA	B2	Health	0.1187	1%	390900	4757000		
7631-86-9	Silicon dioxide	0.0008521	22112	5	24	SL-MD	B2	Health	0.2043	4%	390900	4757000		
7642-15-1	Cis-4-octene	0.0006644	22112		24				0.05461	Neg	390800	4757000		
7647-14-5	Sodium chloride (NaCl)	0.0006804	22112	15	24	SL-JSL	B2	Health & Partic	0.1187	1%	390900	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	22112	7	24	Standard	B1	Health	0.1454	2%	390800	4757000		
7664-38-2	Phosphoric acid (as P2O5)	0.0002916	22112	70	24	URT	URT	URT	0.1454	0%	390800	4757000		
7664-41-7	Ammonia	0.7531	22112	100	24	Standard	B1	Health	17.58	18%	390800	4757000		
7664-41-7	Ammonia	0.7531	22112	1000	24	URT	URT	URT	17.58	2%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	22112	5	24	Standard	B1	Health	0.4914	10%	390800	4757000		
7664-93-9	Sulphuric Acid	0.005978	22112	15	24	URT	URT	URT	0.4914	3%	390800	4757000		

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7722-84-1	Hydrogen peroxide	0.004442	22112	30	24	Guideline	B1	Health	0.3651	1%	390800	4757000		
7723-14-0	Phosphorus	0.00004484	22112	0.5	24	SL-MD	B2	Health	0.03258	7%	390800	4757000		
7727-43-7	Barium Sulphate	0.0003332	22112	25	24	SL-JSL	B2	Health	0.03669	0%	390600	4757000		
7779-90-0	Zinc Phosphate	0.00001778	22112	1	24	SL-JSL	B2	Health	0.005632	1%	390900	4757000		
7783-06-4	Hydrogen sulphide	0.08095	22112	13	0.1667	Standard	B1	Odour	9.165	71%	390800	4757000		
7783-06-4	Hydrogen sulphide	0.04901	22112	7	24	Standard	B1	Health	3.371	48%	390800	4757000		
7783-06-4	Hydrogen sulphide	0.04901	22112	70	24	URT	URT	URT	3.371	5%	390800	4757000		
7784-18-1	Aluminum Fluoride	0.0001134	22112		24				0.01979	Neg	390900	4757000		
7789-24-4	Lithium Fluoride	0.0001134	22112		24				0.01979	Neg	390900	4757000		
7789-75-5	Calcium fluoride	0.0002268	22112		24				0.03958	Neg	390900	4757000		
8002-05-9	motor oil	0.3389	22112	175	24	SL-JSL	B2	Health	27.86	16%	390800	4757000		
8006-61-9	Light Petroleum Distillate	0.03208	22112	1400	24	SL-JSL	B2	Health	2.637	0%	390800	4757000		
8008-20-6	Kerosene	0.00183	22112	375	24	SL-MD	B2	Health	0.1504	0%	390800	4757000		
8042-47-5	White Mineral Oil (petroleum)	0.00567	22112	120	24	SL-MD	B2	Health & Partic	1.445	1%	390700	4757000		
8052-41-3	Stoddard solvent (Mineral Spirits)	0.04849	22112	2600	24	Standard	B1	Health	7.556	0%	390700	4757000		
8052-42-4	Asphalt	0.00006435	22112	2.5	24	SL-MD	B2	Health	0.002331	0%	390900	4757000		
9003-13-8	Polyoxypropylene glycol ether	0.001602	22112	120	24	SL-MD	B2	Health & Partic	0.1317	0%	390800	4757000		
9046-10-0	polyoxypropylenediamine	0.001696	22112	9	24	SL-JSL	B2	Health	0.112	1%	390600	4757000		
10043-92-2	Radon	2.026E-07	22112		24				0.000008335	Neg	390800	4757000		
10102-44-0	Nitrogen oxides	3.082	22112	400	1	Standard	B1	Health	129.4	32%	390800	4757000		
10102-44-0	Nitrogen oxides	3.082	22112	200	24	Standard	B1	Health	70.97	35%	390800	4757000		
10192-32-2	1-Tetralosene	0.005377	22112	120	24	SL-JSL	B2	Health	0.4419	0%	390800	4757000		
10213-79-3	sodium metasilicate pentahydrate	0.00003473	22112	15	24	SL-JSL	B2	Health & Partic	0.0337	0%	390800	4757000		
12001-26-2	Mica-group minerals	0.00008329	22112	15	24	SL-JSL	B2	Health	0.009173	0%	390600	4757000		
13463-67-7	Titanium Dioxide (TiO2)	0.01867	22112	34	24	Guideline	B1	Health	4.172	12%	390900	4757000		
13475-82-6	Isododecane	0.003688	22112		24				0.07803	Neg	390800	4757000		
13775-52-5	Aluminate(3-), hexafluoro-,tripotassi	0.0001134	22112		24				0.01979	Neg	390900	4757000		
13821-20-0	Lithium Hexafluoraluminate	0.0002268	22112		24				0.03958	Neg	390900	4757000		
14228-73-0	bis[(2,3-Epoxypropoxy) methyl] cyclo	0.01844	22112	15	24	SL-JSL	B2	Health & Partic	6.572	44%	390900	4757000		
14807-96-6	Talc	0.00004465	22112	2	24	Guideline	B1	Health	0.01039	1%	390900	4757000		
15096-52-3	Cyrolite	0.0001134	22112		24				0.01979	Neg	390900	4757000		
16368-97-1	Phosphoric acid, bis(2-ethylhexyl) phe	0.00000105	22112	5	24	SL-JSL	B2	Health	0.0001156	0%	390600	4757000		
21645-51-2	Aluminium hydroxide	0.00004814	22112	30	24	SL-PA	B2	Health	0.003166	0%	390600	4757000		
25013-15-4	Vinyl Toluene	0.006025	22112	1210	24	SL-JSL	B2	Health	0.4953	0%	390800	4757000		
25036-25-3	Epoxy resin (700<MW<=1100)	0.01364	22112	120	24	SL-MD	B2	Health & Partic	0.9004	1%	390600	4757000		
25068-38-6	bisphenol A-(epichlorhydrin) epoxy re	0.006105	22112	120	24	SL-MD	B2	Health & Partic	0.4031	0%	390600	4757000		
25085-99-8	2,2'-bisoxirane homopolymer	0.0005147	22112	120	24	SL-MD	B2	Health & Partic	0.05669	0%	390600	4757000		
25154-52-3	nonylphenol	0.0001696	22112	30	24	SL-JSL	B2	Health	0.0112	0%	390600	4757000		
25167-67-3	Butene	2.033	22112	700	24	SL-JSL	B2	Health	83.66	12%	390800	4757000		
25321-13-5	Cyclopentadiene	0.0004285	22112		24				0.03522	Neg	390800	4757000		
25377-72-4	Pentene	0.0002924	22112		24				0.02403	Neg	390800	4757000		
25377-83-7	Octene (mixed isomers)	0.02646	22112	2.30944	24	9342-CTNN			2.175	94%	390800	4757000		
25550-14-5	Ethyltoluenes	0.0004094	22112	0.5	24	SL-JSL	B2	Health	0.03365	7%	390800	4757000		
25551-13-7	Trimethylbenzene	0.0009459	22112		24				0.07775	Neg	390800	4757000		
25620-58-0	2,2,4- and 2,4,4- trimethylhexamethy	0.1696	22112	16	24	SL-MD	B2	Health	11.2	70%	390600	4757000		
26139-75-3	Polymer, formaldehyde with 1,3-dime	0.01045	22112	4.56449	24	9342-CTNN			3.724	82%	390900	4757000		
26761-45-5	2,3-Epoxypropyl ester neodecanoic ac	0.0003402	22112	3	24	SL-PA	B2	Health	0.03532	1%	390600	4757000		
27193-86-8	Alkylphenol	0.0251	22112	60	24	SL-JSL	B2	Health	2.063	3%	390800	4757000		
27253-31-2	Cobalt Neodecanoate	0.0005678	22112	0.7	24	SL-MD	B2	Health	0.1363	19%	390900	4757000		
28064-14-4	Phenol - formaldehyde Novalac	0.0007281	22112	120	24	SL-MD	B2	Health & Partic	0.08019	0%	390600	4757000		
28553-12-0	Diisononyl Phthalate	0.0105	22112	25	24	SL-JSL	B2	Health	1.156	5%	390600	4757000		
28729-52-4	1t,-2-dimethylcyclopentane	0.00473	22112	0.5	24	SL-JSL	B2	Health	0.3888	78%	390800	4757000		

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36878-20-3	BENZENAMINE, AR-NONYL-N-(NONYL)	0.004985	22112		24				0.07201	Neg	390600	4757000		
37251-69-7	Alkyl Phenol Ethoxylate Propoxylate	0.001469	22112	0.12825	24	9342-CTNN			0.1208	94%	390800	4757000		
37293-74-6	Naphthalenesulfonic acid, polymer w	0.04869	22112	15	24	SL-JSL	B2	Health & Partic	0.766	5%	390600	4757000		
38640-62-9	bis(isopropyl)naphthalene	0.00305	22112	60	24	SL-JSL	B2	Health	0.2507	0%	390800	4757000		
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl	0.0001156	22112	0.5	24	SL-JSL	B2	Health	0.00763	2%	390600	4757000		
61141-66-0	3,4-Diethyl-1,1'biphenyl	0.0008959	22112		24				0.07364	Neg	390800	4757000		
61788-59-8	Fatty-acids, coco, Me esters	0.0008026	22112	50	24	SL-JSL	B2	Health	0.06597	0%	390800	4757000		
61788-61-2	fatty acids, tallow, me esters	0.000917	22112		24				0.07538	Neg	390800	4757000		
61789-60-4	Pitch	0.0009461	22112		24				0.07777	Neg	390800	4757000		
61789-97-7	Tallow	0.004149	22112	0.36217	24	9342-CTNN			0.341	94%	390800	4757000		
61791-10-4	quaternary coco alkylamine ethoxylat	0.00003473	22112		24				0.0337	Neg	390800	4757000		
64741-43-1	Gas Oils (Petroleum), straight-run	0.3018	22112	175	24	SL-JSL		Health	4.747	3%	390600	4757000		
64741-44-2	Distillates, petroleum, Straight run m	0.003657	22112	120	24	SL-MD	B2	Health & Partic	0.3006	0%	390800	4757000		
64741-45-3	Residues (petroleum), atm. Tower	0.001695	22112	0.148	24	9342-CTNN			0.1394	94%	390800	4757000		
64741-47-5	Natural gas condensates (petroleum)	0.4097	22112	175	24	SL-JSL	B2	Health	33.68	19%	390800	4757000		
64741-48-6	Natural gas (petroleum), raw liq. mix	0.07025	#DIV/0!		24				#DIV/0!	#DIV/0!	390800	4757000		a
64741-57-7	Gas Oils (petroleum), heavy vacuum	0.00208	22112	175	24	SL-JSL	B2	Health	0.171	0%	390800	4757000		
64741-58-8	light vacuum gas oil (petroleum)	0.002274	22112	175	24	SL-JSL	B2	Health	0.1869	0%	390800	4757000		
64741-59-9	Light catalytic cracked distillate	0.00427	22112	465	24	SL-JSL	B2	Health	0.351	0%	390800	4757000		
64741-60-2	Intermediate catalytic cracked distilla	0.001524	22112	0.13305	24	9342-CTNN			0.1253	94%	390800	4757000		
64741-61-3	distillates (petroleum), heavy catalyti	0.004065	22112	0.35482	24	9342-CTNN			0.3341	94%	390800	4757000		
64741-62-4	Catalytic Cracked Clarified Oil	0.005953	22112	60	24	SL-JSL	B2	Health	0.4893	1%	390800	4757000		
64741-63-5	LIGHT CATALYTIC REFORMED NAPHTH	0.3608	22112	500	24	SL-JSL	B2	Health	29.66	6%	390800	4757000		
64741-65-7	Heavy Alkylate Naphtha	0.0276	22112	2600	24	Standard	B1	Health	4.645	0%	390700	4757000		
64741-66-8	Naphtha, petroleum, light alkylate	1.584	22112	2600	24	Standard	B1	Health	65.17	3%	390800	4757000		
64741-73-7	distillates (petroleum), alkylate	0.0009458	22112		24				0.07774	Neg	390800	4757000		
64741-75-9	Residues (Petroleum) hydrocracked	0.001132	22112		24				0.09304	Neg	390800	4757000		
64741-77-1	Light Hydrocracked Distillate (Petrole	0.001331	22112	0.11622	24	9342-CTNN			0.1094	94%	390800	4757000		
64741-81-7	heavy thermal cracked distillate	0.0006505	22112	75	24	SL-JSL	B2	Health	0.05347	0%	390800	4757000		
64741-88-4	Distillates (petroleum), solvent-refine	0.001713	22112	50	24	SL-JSL	B2	Health	0.1408	0%	390800	4757000		
64741-89-5	Distillates (petroleum), solvent-refine	0.001676	22112	50	24	SL-JSL	B2	Health	0.1378	0%	390800	4757000		
64741-95-3	Solvent deasphalted residual oil	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64741-96-4	Distillates (petroleum), solvent-refine	0.001583	22112	175	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64741-97-5	Distillates (petroleum), solvent-refine	0.001478	22112	175	24	SL-JSL	B2	Health	0.1215	0%	390800	4757000		
64742-01-4	Residual oils (petroleum), solvent-ref	0.001583	22112	74	24	SL-PA	B2	Health	0.1301	0%	390800	4757000		
64742-44-5	Distillate (petroleum), clay-treated he	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
64742-45-6	Distillates (petroleum), clay-treated li	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-46-7	Hydrotreated Middle Distillate	0.001457	22112	1750	24	SL-JSL	B2	Health	0.1198	0%	390800	4757000		
64742-47-8	Hydrotreated Light Distillate	0.01377	22112	375	24	SL-JSL	B2	Health	1.676	0%	390700	4757000		
64742-48-9	Hydrotreated Heavy Naphtha	0.02507	22112	2600	24	Standard	B1	Health	4.824	0%	390900	4757000		
64742-49-0	Light aliphatic solvent naphtha	0.007428	22112	1750	24	SL-JSL	B2	Health	1.806	0%	390700	4757000		
64742-52-5	Distillates (petroleum), hydrotreated	0.02169	22112	120	24	SL-MD	B2	Health & Partic	1.783	1%	390800	4757000		
64742-53-6	Distillates (petroleum), hydrotreated	0.00305	22112	500	24	SL-JSL	B2	Health	0.2507	0%	390800	4757000		
64742-54-7	Distillates, petroleum, hydrotreated f	0.003031	22112	120	24	SL-MD	B2	Health & Partic	0.2491	0%	390800	4757000		
64742-55-8	Distillate, petroleum, hydrotreated lig	0.001525	22112	50	24	SL-JSL	B2	Health	0.1253	0%	390800	4757000		
64742-56-9	Distillates (petroleum), solvent-dewa	0.001583	22112	50	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-57-0	Residual oils (petroleum), hydrotreat	0.001583	22112	175	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-58-1	Lubricating oils, petroleum, hydrotrea	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-62-7	Residual oils, petroleum, solvent-dew	0.003067	22112	50	24	SL-JSL	B2	Health	0.2521	1%	390800	4757000		
64742-63-8	Distillates (petroleum), solvent-dewa	0.001583	22112	50	24	SL-JSL	B2	Health	0.1301	0%	390800	4757000		
64742-64-9	Distillates (petroleum), solvent-dewa	0.001478	22112	175	24	SL-JSL	B2	Health	0.1215	0%	390800	4757000		
64742-65-0	Distillates, petroleum, dewaxed heav	0.002994	22112	500	24	SL-JSL	B2	Health	0.2461	0%	390800	4757000		

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64742-67-2	Foots oil (petroleum)	0.03693	22112	3.2236	24	9342-CTNN			3.036	94%	390800	4757000		
64742-70-7	Paraffin oils (petroleum), catalytic de	0.001457	22112	0.12719	24	9342-CTNN			0.1198	94%	390800	4757000		
64742-81-0	Kerosene	0.003192	22112	375	24	SL-JSL	B2	Health	0.2624	0%	390800	4757000		
64742-88-7	Solvent Naphtha Medium Aliphatic	0.06425	22112	2600	24	Standard	B1	Health	12.85	0%	390700	4757000		
64742-89-8	Solvent Naphtha Light Aliphatic	0.01438	22112	2600	24	Standard	B1	Health	3.41	0%	390700	4757000		
64742-94-5	Heavy Aromatic Solvent Naphtha	0.003201	22112	500	24	SL-JSL	B2	Health	0.2594	0%	390800	4757000		
64742-95-6	Light Aromatic Solvent Naphtha	0.1092	22112	500	24	SL-JSL	B2	Health	9.297	2%	390700	4757000		
64743-06-2	Gas oils extracts	0.0007919	22112		24				0.06509	Neg	390800	4757000		
64771-72-8	Norpar 12	0.02788	22112	0.5	24	SL-JSL	B2	Health	0.4386	88%	390600	4757000		a
64771-72-8	Norpar 12	0.02788	22112	0.5	24	SL-JSL	B2	Health	0.4386	88%	390600	4757000		
66071-92-9	Ammonium lignosulfonate	0.001035	22112		24				0.08505	Neg	390800	4757000		
67762-26-9	Fatty acids, C14-18 and C16-18-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
67762-37-2	Fatty acids, C8-18 and C18-unsatd., M	0.0008026	22112	50	24	SL-JSL	B2	Health	0.06597	0%	390800	4757000		
67762-38-3	Fatty acids methyl esters	0.001648	22112	50	24	SL-JSL	B2	Health	0.1355	0%	390800	4757000		
67762-39-4	Fatty-acids, C6-12, Me esters	0.0008001	22112	50	24	SL-JSL	B2	Health	0.06577	0%	390800	4757000		
67762-40-7	Fatty-acids, C10-16, Me esters	0.0007494	22112		24				0.0616	Neg	390800	4757000		
67762-90-7	Siloxanes and Silicones, di-ME, reacti	0.000007347	22112	5	24	SL-PA	B2	Health	0.0008092	0%	390600	4757000		
67784-80-9	Methyl ester, soybean oil	0.04184	22112	80	24	SL-JSL	B2	Health	0.6582	1%	390600	4757000		
67924-34-9	Epoxy Resin	0.00001029	22112	120	24	SL-MD	B2	Health & Partic	0.001134	0%	390600	4757000		
68131-05-5	hydrocarbon oils, process blends	0.001517	22112	0.13245	24	9342-CTNN			0.1247	94%	390800	4757000		
68333-26-6	clarified oils (petroleum), hydrodesulf	0.001409	22112	0.12296	24	9342-CTNN			0.1158	94%	390800	4757000		
68334-30-5	Fuels, diesel	0.04465	22112	350	24	SL-JSL	B2	Health	0.7024	0%	390600	4757000		
68390-63-6	Fatty-acids, castor oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68410-97-9	Light Hydrocarbon Aliphatic Solvent	0.01095	22112	4	24	SL-MD	B2	Health	0.9	22%	390800	4757000		
68425-31-0	Natural Gasoline (C5-C8)	0.003208	22112	1400	24	SL-JSL	B2	Health	0.2637	0%	390800	4757000		
68439-46-3	Alcohols	0.00005789	22112	30	24	SL-JSL	B2	Health	0.05617	0%	390800	4757000		
68440-46-0	Fatty-acids, sperm oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68476-30-2	Fuel oil No. 2	0.003197	22112	50	24	SL-JSL	B2	Health	0.2628	1%	390800	4757000		
68476-33-5	Residual Fuel Oil	0.00489	22112	50	24	SL-JSL	B2	Health	0.402	1%	390800	4757000		
68476-34-6	Diesel Fuel No. 2	0.03299	22112	50	24	SL-JSL	B2	Health	0.519	1%	390600	4757000		
68476-55-1	hydrocarbons, c5 rich	0.05953	22112	7	24	SL-PA	B2	Health	4.893	70%	390800	4757000		
68476-77-7	Lubricating oils, refined used	0.001172	22112		24				0.09632	Neg	390800	4757000		
68476-86-8	Petroleum gases, liquefied, sweetene	0.007796	22112	3.16919	24	9342-CTNN			2.386	75%	390900	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	22112	6.19227	24	9342-CTNN			5.831	94%	390800	4757000		
68477-40-7	Steam-cracked petroleum distillates C	0.07094	22112	6.19227	24	9342-CTNN			5.831	94%	390800	4757000		
68478-08-0	Naphtha, petroleum, light steam-crack	0.03678	22112	13.5	24	SL-JSL	B2	Health	3.023	22%	390800	4757000		
68478-17-1	Residues (petroleum), heavy coker ga	0.001593	22112	0.13906	24	9342-CTNN			0.1309	94%	390800	4757000		
68512-62-9	residues (petroleum), light vacuum	0.001204	22112		24				0.09899	Neg	390800	4757000		
68513-65-5	Alkanes, C4	0.0261	22112	2.2781	24	9342-CTNN			2.145	94%	390800	4757000		
68515-43-5	1,2-Benzenedicarboxylic acid	0.003306	22112	120	24	SL-MD	B2	Health & Partic	0.2718	0%	390800	4757000		
68515-73-1	Proprietary mix of alkyl glycoside and n	0.008611	22112	3.79897	24	9342-CTNN			3.099	82%	390900	4757000		
68515-81-1	Nonanol, branched and linear	0.002848	22112	75	24	SL-JSL	B2	Health	0.2341	0%	390800	4757000		
68526-55-6	Nonene	1.014	22112	170	24	SL-JSL	B2	Health	17.51	10%	390600	4757000		
68526-58-9	Alkenes, C11-13, C12-rich	0.001346	22112	0.11754	24	9342-CTNN			0.1107	94%	390800	4757000		
68553-00-4	FCCU Slurry, bunker fuel oil, bunker #	0.001441	22112	0.12583	24	9342-CTNN			0.1185	94%	390800	4757000		
68584-23-6	Benzenesulfonic acid	0.0009461	22112		24				0.07777	Neg	390800	4757000		
68605-02-7	Fatty-acids, fish oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68605-14-1	Fatty-acids, safflower oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68606-26-8	Hydrocarbons, C3	0.001994	22112	0.17408	24	9342-CTNN			0.1639	94%	390800	4757000		
68609-08-5	Cyclohexanemethanamine, 5-amino-3	0.0003306	22112	15	24	SL-JSL	B2	Health & Partic	0.03641	0%	390600	4757000		
68609-97-2	(C12-C14) Alkylglycidylether	0.002544	22112	120	24	SL-MD	B2	Health & Partic	0.168	0%	390600	4757000		
68647-50-7	Fatty acids, C16 and C18-unsatd., Me	0.0008026	22112		24				0.06597	Neg	390800	4757000		

Table 4:
Emissions Summary Table
(2025-10-28)

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
68647-60-9	Hydrocarbons, C5 and heavier	0.0009554	22112		24				0.07853	Neg	390800	4757000		
68814-87-9	Full Range Straight Run Middle Distillate	0.0823	22112	7.18404	24	9342-CTNN			6.765	94%	390800	4757000		
68915-96-8	Heavy Atmospheric Gas Oil	0.003791	22112	0.33093	24	9342-CTNN			0.3116	94%	390800	4757000		
68919-39-1	NATURAL GAS CONDENSATE C2-8	0.02258	22112	175	24	SL-JSL	B2	Health	1.856	1%	390800	4757000		
68919-53-9	Fatty-acids, soya, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68919-54-0	Fatty acids, sunflower-oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68921-67-5	Hydrocarbons, ethylene-manufacture	0.02059	22112	3.2	24	SL-JSL	B2	Health	1.693	53%	390800	4757000		
68937-80-4	Fatty acids, C16-20 and C16-18-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68937-81-5	Fatty acids, C18 and C18-unsatd., Me	0.0008026	22112	120	24	SL-MD	B2	Health & Partic	0.06597	0%	390800	4757000		
68937-83-7	Fatty-acids, C6-10, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68937-84-8	Fatty-acids, C12-18, Me esters	0.0007495	22112		24				0.06161	Neg	390800	4757000		
68938-13-6	Fatty-acids, castor oil, Me esters, hyd	0.0008026	22112		24				0.06597	Neg	390800	4757000		
68952-94-3	Vegetable Oil Soap Stock	0.001592	22112	0.13896	24	9342-CTNN			0.1309	94%	390800	4757000		
68955-27-1	Distillates (petroleum), vacuum	0.001517	22112	120	24	SL-MD	B2	Health & Partic	0.1247	0%	390800	4757000		
68956-48-9	Fuel Oil, Residual, waste-water skimm	0.00128	22112	0.11174	24	9342-CTNN			0.1052	94%	390800	4757000		
68956-68-3	Vegetable oil mists, respirable	0.00333	22112	120	24	SL-MD	B2	Health & Partic	0.2738	0%	390800	4757000		
68990-52-3	Fatty acids, vegetable-oil, Methyl este	0.000946	22112		24				0.07776	Neg	390800	4757000		
69013-21-4	Fuel oil, pyrolysis	0.04136	22112	12.5	24	SL-JSL	B2	Health	0.6506	5%	390600	4757000		
69430-33-7	Petroleum Distillates	0.001477	22112	122.5	24	SL-JSL	B2	Health	0.1214	0%	390800	4757000		
70514-12-4	Lubricating oils, used	0.0008964	22112		24				0.07368	Neg	390800	4757000		
70592-78-8	Distillate (Petroleum), vacuum C15-C3	0.000788	22112	175	24	SL-JSL	B2	Health	0.06477	0%	390800	4757000		
71011-24-0	Alkyl Dimethylbenzylammoniumbent	0.00002099	22112	15	24	SL-JSL	B2	Health & Partic	0.0002312	0%	390600	4757000		
71888-89-6	Phthalic Esters	0.001772	22112	25	24	SL-JSL	B2	Health	0.4515	2%	390700	4757000		
72623-85-9	Lubricating oils (petroleum), C20-50, f	0.001477	22112	120	24	SL-MD	B2	Health & Partic	0.1214	0%	390800	4757000		
72623-86-0	Lubricating Oils, Petroleum, C15-30, f	0.001525	22112	0.1331	24	9342-CTNN			0.1253	94%	390800	4757000		
72623-87-1	Lubricating Oils, petroleum, C20 -C50	0.001362	22112	0.11885	24	9342-CTNN			0.1119	94%	390800	4757000		
73891-99-3	rape oil, me ester	0.004441	22112		24				0.06634	Neg	390800	4757000		
74499-22-2	Fatty-acids, tall oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
74499-35-7	PHENOL, (TETRAPROPENYL) DERIVS	0.000946	22112		24				0.07776	Neg	390800	4757000		
74869-22-0	Lubricating oils	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
82919-37-7	Methyl pentamethyl-4-piperidinyl est	0.0006819	22112	0.5	24	SL-JSL	B2	Health	0.04502	9%	390600	4757000		
84133-50-6	Secondary Alcohol ethoxylates	0.002778	22112	86	24	SL-PA	B2	Health	1.604	2%	390700	4757000		
84238-16-4	Fatty-acids, mustard oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
84605-29-8	zinc dialkyl dithiophosphate	0.000946	22112	120	24	SL-MD	B2	Health & Partic	0.07776	0%	390800	4757000		a
84819-41-0	borated ester	0.0009446	22112		24				0.07764	Neg	390800	4757000		
84852-15-3	4-nonylphenol (branched)	0.004422	22112	120	24	SL-MD	B2	Health & Partic	0.4592	0%	390600	4757000		
84961-70-6	Benzene, mono-C10-13-alkyl derivs.,	0.001112	22112		24				0.09141	Neg	390800	4757000		
84989-14-0	Calcium Alkylbenzene Sulfonate	0.001469	22112	0.12825	24	9342-CTNN			0.1208	94%	390800	4757000		
85005-41-0	Fatty-acids, lanolin, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85049-38-3	Fatty acids, C14-18 and C16-22-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85117-41-5	Benzene, mono-C-10-14-alkyl derivs.,	0.001475	22112	0.12877	24	9342-CTNN			0.1213	94%	390800	4757000		
85186-80-7	Fatty acids, C14-18 and C18-unsatd.,	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85408-67-9	Fatty acids, C18-24 and C16-24-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85480-42-8	Fatty acids, animal, unsatd., Me ester	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85536-26-1	Fatty-acids, butter, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85566-26-3	Fatty-acids, C8-10, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85566-27-4	Fatty-acids, C12-16, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-20-5	Fatty-acids, C11-17, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-21-6	Fatty-acids, C16-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85586-25-0	Fatty-acids, rape oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
85631-62-5	Fatty-acids, coco, hydrogenated, Me e	0.0008026	22112		24				0.06597	Neg	390800	4757000		
86290-81-5	Gasoline	0.3856	22112	1400	24	SL-JSL	B2	Health	31.69	2%	390800	4757000		

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90669-74-2	Residual component of finished oils	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
91002-21-0	Fatty-acids, C14-18-branched, Me est	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-65-1	Fatty-acids, C8-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-66-2	Fatty-acids, C12-20, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91031-67-3	Fatty-acids, C14-18, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-06-8	Fatty-acids, essential, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-16-0	Fatty-acids, linseed oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-32-0	Fatty-acids, palm kernel oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91051-34-2	Fatty-acids, palm oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
91672-41-2	Phenol, 2-nonyl-, branched	0.0009221	22112	0.40275	24	9342-CTNN			0.3286	82%	390900	4757000		
91697-62-0	Fatty-acids, rape oil, hydrogenated, M	0.0008026	22112		24				0.06597	Neg	390800	4757000		
92045-41-5	Lubricating oils, used, vacuum distd	0.001177	22112		24				0.09674	Neg	390800	4757000		
93571-83-6	Fatty acids, C16-24 and C16-24-unsat	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93572-01-1	Fatty-acids, olive oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93572-08-8	Fatty-acids, peanut oil, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
93819-94-4	zinc bis[O-(6-methylheptyl)] bis[O-(se	0.000946	22112		24				0.07776	Neg	390800	4757000		
94733-11-6	Fatty-acids, C5-20, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
95009-32-8	Fatty-acids, iris germanica, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
95009-33-9	Fatty-acids, iris pallida, Me esters	0.0008026	22112		24				0.06597	Neg	390800	4757000		
101316-69-2	Distillate, hydrotreated light naphthe	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-70-5	Lubricating oils (petroleum), C17-32,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-71-6	Lubricating oils (petroleum), C20-35,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
101316-72-7	Lubricating oils (petroleum), C24-50,	0.001362	22112	0.11891	24	9342-CTNN			0.112	94%	390800	4757000		
102047-28-9	Fatty acids, C16-18 and C16-18-unsat	0.0008026	22112	0.07006	24	9342-CTNN			0.06597	94%	390800	4757000		
121158-58-5	Phenol, dodecyl-, branched	0.0009466	22112		24				0.07781	Neg	390800	4757000		
128683-24-9	Bitumen, oil sand	0.001287	22112	0.11238	24	9342-CTNN			0.1058	94%	390800	4757000		
128683-29-4	Gas oils (oil sand), hydrotreated	0.01242	22112	1.08398	24	9342-CTNN			1.021	94%	390800	4757000		
129828-16-6	Fatty acids, canola-oil, Me esters	0.004441	22112		24				0.06634	Neg	390800	4757000		
135108-88-2	Hydrogenated formaldehyde polymet	0.003074	22112	15	24	SL-JSL	B2	Health & Partic	1.095	7%	390900	4757000		
137398-54-0	Trade Secret	0.0000745	22112		24				0.02681	Neg	390900	4757000		
232268-65-4	Cashew, nutshell liq., 2-hydroxyethyl	0.6771	22112	53.2593	24	9342-CTNN			44.71	84%	390600	4757000		
848301-66-6	kerosene (Fischer Tropsch) full range,	0.00162	22112	0.14144	24	9342-CTNN			0.1332	94%	390800	4757000		
848301-67-7	distillates (Fischer-Tropsch), C8-C26 -	0.001474	22112	0.12866	24	9342-CTNN			0.1212	94%	390800	4757000		
848301-69-9	Distillates (Fischer -Tropsch), heavy, C	0.001417	22112	0.12371	24	9342-CTNN			0.1165	94%	390800	4757000		
911674-82-3	Castor-oil, hydrogenated, N,N'-[1,3-p	0.001365	22112		24				0.09016	Neg	390600	4757000		
928771-01-1	alkanes, C10-C20, branched and linea	0.001075	22112		24				0.0884	Neg	390800	4757000		
1159170-26-9	Fuels, Diesel, C9-18-Alkane Branched	0.001062	22112		24				0.08731	Neg	390800	4757000		
2529890-35-3	Renewable Hydrocarbons	0.001062	22112		24				0.08733	Neg	390800	4757000		
MS	Mineral spirits	0.4615	22112	2600	24	Standard	B1	Health	28.03	1%	390700	4757000		
MS	Mineral spirits	0.4615	22112	26000	24	URT	URT	URT	28.03	0%	390700	4757000		
PM	Suspended particulate matter (< 44 µ	0.04919	22112	120	24	Standard	B1	Visibility	9.33	8%	390900	4757000		
	a - Outliers Removed													