

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
0-01-1	Residual Monomer	0.00050465	AERMOD-m	0.00291	390721	4756694	24	24	0.00291				Neg
0-02-2	Petroleum hydrocarbon based oils	0.0008121	AERMOD-m	0.004682	390721	4756694	24	24	0.004682				Neg
0-03-3	Styrene-butadiene based polymer	0.01036343	AERMOD-m	0.059752	390721	4756694	24	24	0.059752				Neg
0-05-5	FDA Approved Suspension Aid	0.00084384	AERMOD-m	0.004865	390721	4756694	24	24	0.004865				Neg
0-06-6	FDA Approved Biocide	0.00042192	AERMOD-m	0.002433	390721	4756694	24	24	0.002433				Neg
0-08-8	Sulfur compounds	0.00225903	AERMOD-m	0.019788	390883	4756895	24	24	0.019788				Neg
0-09-9	Anti-Stripping Additive	0.00045181	AERMOD-m	0.003958	390883	4756895	24	24	0.003958				Neg
0-11-3	Propylene Glycol Ether (trade secret)	0.00011812	AERMOD-m	0.055726	390672	4756770	24	24	0.055726				Neg
0-12-4	Corrosion Inhibitors (Trade secret)	0.00011812	AERMOD-m	0.055726	390672	4756770	24	24	0.055726				Neg
0-21-5	Acrylic copolymer MSDS268	0.0095799	AERMOD-m	0.055235	390721	4756694	24	24	0.055235				Neg
0-22-6	Base oil - highly refined	0.01399833	AERMOD-m	0.08071	390721	4756694	24	24	0.08071				Neg
0-23-7	Base oil - highly refined	0.01399833	AERMOD-m	0.08071	390721	4756694	24	24	0.08071				Neg
0-24-8	Base oil - highly refined	0.01045845	AERMOD-m	0.0603	390721	4756694	24	24	0.0603				Neg
0-25-9	Fischer-Tropsch derived base oil, consisting largely of branched, cyclic and linear hydrocarbons C18 to C50	0.01429736	AERMOD-m	0.082434	390721	4756694	24	24	0.082434				Neg
0-26-0	Fischer-Tropsch derived base oil, consisting largely of branched, cyclic and linear hydrocarbons C18 to C50	0.01445152	AERMOD-m	0.083323	390721	4756694	24	24	0.083323				Neg
0-27-1	Solids	0.01304619	AERMOD-m	0.07522	390721	4756694	24	24	0.07522				Neg
0-28-2	Hydrocarbon solvents	0.01635142	AERMOD-m	0.094277	390721	4756694	24	24	0.094277				Neg
0-29-3	Metals	0.00963544	AERMOD-m	0.055555	390721	4756694	24	24	0.055555				Neg
0-30-6	Polynuclear aromatics	0.00129884	AERMOD-m	0.007489	390721	4756694	24	24	0.007489				Neg
0-31-7	Chlorinated solvents	0.00010527	AERMOD-m	0.000606944	390721	4756694	24	24	0.000606944				Neg
0-32-8	C5s	0.00077459	AERMOD-m	0.004466034	390721	4756694	24	24	0.004466034				Neg
0-33-9	C6s	0.00110148	AERMOD-m	0.006350785	390721	4756694	24	24	0.006350785				Neg
50-00-0	Formaldehyde	0.02314107	AERMOD-m	0.133424	390721	4756694	24	24	0.133424	65	Health	Schedule 3	0.2%
50-32-8	Benzo(a)pyrene	3.2158E-05	AERMOD-m	0.000185412	390721	4756694	24	24	0.000185412	0.005	Health	Schedule 3	3.7%
50-32-8	Benzo(a)pyrene	3.2158E-05	AERMOD-m	4.11799E-06	391071	4756664	8760	8760	4.11799E-06	0.00001	Health	Schedule 3	41.2%
56-81-5	Glycerol	0.01989882	AERMOD-m	0.222973	390672	4756770	24	24	0.222973	70	JSL	JSL	0.3%
57-13-6	Urea	0.03500855	AERMOD-m	0.201848	390721	4756694	24	24	0.201848	40	JSL	JSL	0.5%
57-55-6	Propylene Glycol	0.00277058	AERMOD-m	0.334364	390672	4756770	24	24	0.334364	120	Particulate	Guideline	0.3%
64-17-5	Ethyl alcohol	0.42784417	AERMOD-m	129.32373	390731	4756767	1	1	129.32373	19000	Odour	Guideline	0.7%
64-18-6	Formic acid	4.5942E-05	AERMOD-m	0.000264886	390721	4756694	24	24	0.000264886	500	Health	Schedule 3	0.0%
67-56-1	Methyl alcohol	0.09485676	AERMOD-m	8.598137	390883	4756876	24	24	8.598137	4000	Health	Schedule 3	0.2%
67-63-0	Isopropyl alcohol	0.15137404	AERMOD-m	40.427399	390883	4756895	24	24	40.427399	7300	Health	Schedule 3	0.6%
67-64-1	Acetone	0.06784112	AERMOD-m	1.003302	390672	4756770	24	24	1.003302	11880	Health	Schedule 3	0.0%
68-12-2	N,N-Dimethylformamide	0.03477579	AERMOD-m	0.200506	390721	4756694	24	24	0.200506	80	JSL	JSL	0.3%
71-23-8	n-Propyl Alcohol	0.04358139	AERMOD-m	0.251277	390721	4756694	24	24	0.251277	16000	Health	Guideline	0.0%
71-36-3	n-Butyl alcohol	0.05187942	AERMOD-m	17.240562	390884	4756905	24	24	17.240562	920	Health	Schedule 3	1.9%
71-43-2	Benzene	0.12548919	AERMOD-m	0.723531	390721	4756694	24	24	0.723531	100	Health	Schedule 3	0.7%
71-43-2	Benzene	0.12548919	AERMOD-m	0.01607	391071	4756664	8760	8760	0.01607	0.45	Health	Schedule 3	3.6%
74-82-8	Methane	0.01162852	AERMOD-m	0.067046	390721	4756694	24	24	0.067046				Neg
74-84-0	Ethane	0.93697727	AERMOD-m	5.026386	390721	4756694	24	24	5.026386	4800	JSL	JSL	0.1%
74-89-5	Monomethyl Amine	1.007E-05	AERMOD-m	5.80585E-05	390721	4756694	24	24	5.80585E-05	25	Odour	Guideline	0.0%
74-90-8	Hydrogen cyanide	0.00024805	AERMOD-m	0.00143	390721	4756694	24	24	0.00143	8	Health	Schedule3	0.0%
74-98-6	Propane	3.16353174	AERMOD-m	9.143569	390721	4756694	24	24	9.143569	7200	JSL	JSL	0.1%
75-08-1	Ethyl Mercaptan	0.00130329	AERMOD-m	0.005093	390921	4757164	24	24	0.005093	220	Health	Schedule 3	0.0%

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)	
					X (m)	Y (m)								
75-09-2	Dichloromethane	0.0236246	AERMOD-m	22.387726	390884	4756905	24	24	22.387726	220	Health	Schedule 3	10.2%	
75-15-0	Carbon disulphide	0.00127982	AERMOD-m	0.007379	390721	4756694	24	24	0.007379	330	Odour	Guideline	0.0%	
75-28-5	Isobutane	4.21408253	AERMOD-m	12.196793	390721	4756694	24	24	12.196793	618	JSL	JSL	2.0%	
75-50-3	Trimethyl Amine	0.00038068	AERMOD-m	0.008644	390941	4756914	1	1	0.008644	0.5	Odour	Guideline	1.7%	
75-56-9	Propylene oxide	0.00023625	AERMOD-m	0.223877	390884	4756905	24	24	0.223877	1.5	Health	Schedule 3	14.9%	
75-65-0	tert-Butyl alcohol	0.00551432	AERMOD-m	0.031794	390721	4756694	24	24	0.031794	30300	Health	Guideline	0.0%	
75-83-2	2,2-Dimethylbutane	0.24651305	AERMOD-m	1.421317	390721	4756694	24	24	1.421317	1400	JSL	JSL	0.1%	
77-73-6	Dicyclopentadiene	0.01495022	AERMOD-m	0.086198	390721	4756694	24	24	0.086198	12	JSL	JSL	0.7%	
77-92-9	Citric acid	0.04981481	AERMOD-m	1.131103	390941	4756914	1	1	1.131103	300	Health	Guideline	0.4%	
77-92-9	Citric acid	0.04981481	AERMOD-m	0.287216	390721	4756694	24	24	0.287216	120	Particulate	Guideline	0.2%	
78-78-4	2-Methyl butane	0.26608987	AERMOD-m	1.239945	390721	4756694	24	24	1.239945	7080	JSL	JSL	0.0%	
78-79-5	Isoprene	0.25352628	AERMOD-m	1.461753	390721	4756694	24	24	1.461753	1.511		5576-9C5K3R	96.7%	
78-83-1	i-Butyl alcohol	0.0360597	AERMOD-m	0.207909	390721	4756694	24	24	0.207909	4600	Health	Schedule 3	0.0%	
78-92-2	sec-Butyl alcohol	0.03928173	AERMOD-m	0.226486	390721	4756694	24	24	0.226486	496	JSL	JSL	0.0%	
78-93-3	Methyl ethyl ketone	0.113647	AERMOD-m	54.117279	390883	4756895	24	24	54.117279	1000	Health	Schedule 3	5.4%	
80-62-6	Methyl methacrylate	0.06941361	AERMOD-m	0.400217	390721	4756694	24	24	0.400217	860	Odour	Guideline	0.0%	
91-20-3	Naphthalene	0.00151151	AERMOD-m	0.008715	390721	4756694	24	24	0.008715	22.5	Health	Guideline	0.0%	
92-52-4	Biphenyl	0.00121446	AERMOD-m	0.027576	390941	4756914	1	1	0.027576	60	Odour	Guideline	0.0%	
95-13-6	Indene	0.00088771	AERMOD-m	0.005118	390721	4756694	24	24	0.005118	28	JSL	JSL	0.0%	
95-47-6	o-Xylene	0.03660875	AERMOD-m	0.211075	390721	4756694	24	24	0.211075	100	JSL	JSL	0.2%	
95-63-6	1,2,4-Trimethylbenzene	0.05107395	AERMOD-m	9.778213	390711	4756768	24	24	9.778213	220		Schedule 3	4.4%	
96-14-0	3-Methylpentane	0.01177723	AERMOD-m	0.067904	390721	4756694	24	24	0.067904	1400		JSL	0.0%	
96-37-7	Methyl cyclopentane	0.01243369	AERMOD-m	0.071689	390721	4756694	24	24	0.071689	200	JSL	JSL	0.0%	
98-29-3	t-Butylcatechol	8.5351E-05	AERMOD-m	0.000492	390721	4756694	24	24	0.000492104	8	JSL	JSL	0.0%	
98-82-8	Isopropyl benzene	0.00105591	AERMOD-m	0.006088	390721	4756694	24	24	0.006088	400	Health	Schedule 3	0.0%	
100-40-3	4-Vinylcyclohexene	2.8242E-05	AERMOD-m	0.000162832	390721	4756694	24	24	0.000162832	1.76	JSL	JSL	0.0%	
100-41-4	Ethylbenzene	0.13780564	AERMOD-m	58.17503	390883	4756895	24	24	58.17503	1000	Health	Schedule 3	5.8%	
100-42-5	Styrene	0.03784989	AERMOD-m	0.218231	390721	4756694	24	24	0.218231	400	Health	Schedule 3	0.1%	
100-51-6	Benzyl alcohol	0.03063363	AERMOD-m	26.778955	390884	4756905	24	24	26.778955	880	Health	Guideline	3.0%	
103-65-1	Propylbenzene	0.14406186	AERMOD-m	0.830615	390721	4756694	24	24	0.830615	20	JSL	JSL	4.2%	
104-43-8	4-DODECYLPHENOL	0.00014937	AERMOD-m	0.000861	390721	4756694	24	24	0.000861				Neg	
106-97-8	Butane	4.24528965	AERMOD-m	43.780991	390672	4756770	24	24	43.780991	7600	JSL	JSL	0.6%	
106-98-9	1-Butene	0.62012893	AERMOD-106-98-9	1.58898	390921	4757164	24	24	1.58898	1.637		5576-9C5K3R	97.1%	a
106-99-0	1,3-Butadiene	0.25517579	AERMOD-m	1.18949	390721	4756694	24	24	1.18949	300	assessment Va	Schedule 3	0.4%	
106-99-0	1,3-Butadiene	0.25517579	AERMOD-m	0.032588	391041	4756674	8760	8760	0.032588	2	Carcinogen	Schedule 3	1.6%	
107-01-7	2-Butene	0.25411743	AERMOD-m	0.993111	390921	4757164	24	24	0.993111	520	JSL	JSL	0.2%	
107-21-1	Ethylene glycol	0.01440559	AERMOD-m	0.083058	390721	4756694	24	24	0.083058	12700	Health	Guideline	0.0%	
107-31-3	Methyl formate	0.3899181	AERMOD-m	2.248145	390721	4756694	24	24	2.248145	919	JSL	JSL	0.2%	
107-83-5	2-Methylpentane	0.01832754	AERMOD-m	0.105671	390721	4756694	24	24	0.105671	4200	JSL	JSL	0.0%	
108-08-7	2,4-Dimethylpentane	0.00735265	AERMOD-m	0.042393151	390721	4756694	24	24	0.042393151	2600	JSL	JSL	0.0%	
108-10-1	Methyl isobutyl ketone	0.03319358	AERMOD-m	25.249523	390883	4756895	24	24	25.249523	1200	Odour	Guideline	2.1%	
108-19-0	Biuret	0.00145629	AERMOD-m	0.008397	390721	4756694	24	24	0.008397				Neg	
108-38-3	m-Xylene	0.00046505	AERMOD-m	0.002681	390721	4756694	24	24	0.002681	100	JSL	JSL	0.0%	
108-67-8	1,3,5-Trimethyl Benzene	0.02817576	AERMOD-m	6.219349	390711	4756768	24	24	6.219349	220	Health	Schedule 3	2.8%	
108-87-2	Methylcyclohexane	0.00144508	AERMOD-m	0.008332	390721	4756694	24	24	0.008332	6440	JSL	JSL	0.0%	
108-88-3	Toluene	0.18842456	AERMOD-m	57.915779	390883	4756895	24	24	57.915779	2000	Odour	Guideline	2.9%	
108-94-1	Cyclohexanone	0.0639314	AERMOD-m	19.195314	390711	4756768	24	24	19.195314	192	JSL	JSL	10.0%	
109-66-0	Pentane	0.43856863	AERMOD-m	2.108298	390721	4756694	24	24	2.108298	4200	JSL	JSL	0.1%	
109-67-1	1-Pentene	0.03715631	AERMOD-m	0.214232	390721	4756694	24	24	0.214232	36	JSL	JSL	0.6%	
109-68-2	2-Pentene	0.00152462	AERMOD-m	0.00879	390721	4756694	24	24	0.00879				Neg	

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
110-43-0	2-Heptanone	0.01493652	AERMOD-m	3.588486	390883	4756895	24	24	3.588486	4600	Health	Guideline	0.1%
110-54-3	n-Hexane	0.36976356	AERMOD-m	2.13194	390721	4756694	24	24	2.13194	2500		Schedule 3	0.1%
110-82-7	Cyclohexane	0.0115345	AERMOD-m	0.066504	390721	4756694	24	24	0.066504	6100	Health	Schedule 3	0.0%
111-65-9	n-Octane	0.0153248	AERMOD-m	0.347967	390941	4756914	1	0.1667	0.574640314	61800	Odour	Guideline	0.0%
111-66-0	1-Octene	0.00336064	AERMOD-m	0.019376	390721	4756694	24	24	0.019376	50000	Health	Guideline	0.0%
111-76-2	2-Butoxy ethanol	0.03876866	AERMOD-m	61.248997	390884	4756915	1	0.1667	101.1479332	500	Odour	Guideline	20.2%
111-76-2	2-Butoxy ethanol	0.03876866	AERMOD-m	15.04648	390883	4756895	24	24	15.04648	2400	Health	Guideline	0.6%
111-77-3	Diethylene Glycol Methyl Ether	4.1912E-05	AERMOD-m	0.000241653	390721	4756694	24	24	0.000241653	1200	Health	Guideline	0.0%
111-84-2	n-Nonane	0.00221907	AERMOD-m	0.012794	390721	4756694	24	24	0.012794	4200	JSL	JSL	0.0%
112-07-2	2-Butoxyethyl acetate	0.00628986	AERMOD-m	0.142819	390941	4756914	1	0.1667	0.23585442	700	Odour	Guideline	0.0%
112-07-2	2-Butoxyethyl acetate	0.00628986	AERMOD-m	0.036265	390721	4756694	24	24	0.036265	3250	Health	Guideline	0.0%
115-07-1	Propylene	3.04940912	AERMOD-m	8.81372	390721	4756694	24	24	8.81372	4000	Health	Schedule 3	0.2%
115-11-7	Isobutylene	3.65929095	AERMOD-m	10.576464	390721	4756694	24	24	10.576464	21	JSL	JSL	50.4%
122-39-4	Diphenylamine	6.0509E-06	AERMOD-m	2.36474E-05	390921	4757164	24	24	2.36474E-05	17.5	Health	Guideline	0.0%
123-39-7	n-methylformamide	3.2564E-05	AERMOD-m	0.000187755	390721	4756694	24	24	0.000187755	4.4	JSL	JSL	0.0%
123-86-4	n-Butyl acetate	0.05276145	AERMOD-m	17.668783	390662	4756770	1	0.1667	29.17861468	1000	Odour	Guideline	2.9%
123-86-4	n-Butyl acetate	0.05276145	AERMOD-m	17.668783	390662	4756770	1	1	17.668783	15000	Health	Guideline	0.1%
124-09-4	Hexamethylenediamine	0.03067978	AERMOD-m	0.17689	390721	4756694	24	24	0.17689	16	Health	Guideline	1.1%
124-18-5	n-Decane	0.00790964	AERMOD-m	0.179597	390941	4756914	1	1	0.179597	60000	Health/Odour	Guideline	0.0%
124-38-9	Carbon Dioxide	0.23161866	AERMOD-m	65.721489	390883	4756895	24	24	65.721489	21000	JSL	JSL	0.3%
124-40-3	Dimethylamine	2.07779966	AERMOD-m	47.178856	390941	4756914	1	1	47.178856	1840	Health/Odour	Guideline	2.6%
128-37-0	2,6-di-tert-butyl-p-cresol	0.00012208	AERMOD-m	0.000703851	390941	4756914	24	24	0.000703851	5	JSL	JSL	0.0%
136-52-7	Cobalt(II) 2-ethylhexonate	2.8333E-05	AERMOD-m	0.0372	390672	4756770	24	24	0.0372	0.12182		5576-9C5K3R	30.5%
142-29-0	Cyclopentene	0.04319237	AERMOD-m	0.249034	390721	4756694	24	24	0.249034	5	JSL	JSL	5.0%
142-82-5	n-heptane	0.00641342	AERMOD-m	0.036978	390721	4756694	24	24	0.036978	11000	Health	Schedule 3	0.0%
287-92-3	Cyclopentane	1.46084084	AERMOD-m	8.42275	390721	4756694	24	24	8.42275	4100	JSL	JSL	0.2%
471-34-1	Calcium carbonate	0.0002268	AERMOD-m	0.098234	390883	4756895	24	24	0.098234	24	JSL	JSL	0.4%
504-60-9	1,3-Pentadiene	0.08102379	AERMOD-m	0.467158	390721	4756694	24	24	0.467158	72	JSL	JSL	0.6%
513-35-9	2-Methyl-2-Butene	0.01565092	AERMOD-m	0.090238	390721	4756694	24	24	0.090238	106	JSL	JSL	0.1%
526-73-8	1,2,3-Trimethyl Benzene	0.00128748	AERMOD-m	0.007423	390721	4756694	24	24	0.007423	220	Health	Schedule 3	0.0%
540-84-1	2,2,4-Trimethyl Pentane	0.01114333	AERMOD-m	0.064249	390721	4756694	24	24	0.064249	2600	JSL	JSL	0.0%
542-92-7	Cyclopentadiene	0.07884321	AERMOD-m	0.454585	390721	4756694	24	24	0.454585	480	JSL	JSL	0.1%
554-13-2	Lithium carbonate	7.5599E-06	AERMOD-m	0.003274	390883	4756895	24	24	0.003274				Neg
562-49-2	3,3-Dimethyl Pentane	0.00621612	AERMOD-m	0.035840125	390721	4756694	24	24	0.035840125		JSL		Neg
563-45-1	3-Methyl-1-Butene	0.12706053	AERMOD-m	0.367243	390721	4756694	24	24	0.367243	28.8	JSL	JSL	1.3%
563-46-2	2-Methyl-1-Butene	0.03614216	AERMOD-m	0.208384	390721	4756694	24	24	0.208384	0.291008		5576-9C5K3R	71.6%
565-59-3	2,3-Dimethyl Pentane	0.01817225	AERMOD-m	0.104776	390721	4756694	24	24	0.104776	2600		JSL	0.0%
589-34-4	3-Methyl Hexane	0.01570108	AERMOD-m	0.090527	390721	4756694	24	24	0.090527	2600		JSL	0.0%
590-18-1	cis-2-Butene	0.01686997	AERMOD-m	0.097267	390721	4756694	24	24	0.097267				Neg
590-35-2	2,2-Dimethyl Pentane	0.00802687	AERMOD-m	0.046280295	390721	4756694	24	24	0.046280295		JSL		Neg
591-76-4	2-Methyl Hexane	0.02209056	AERMOD-m	0.127367	390721	4756694	24	24	0.127367	1228	JSL	JSL	0.0%
592-41-6	1-Hexene	0.17462144	AERMOD-m	1.006812	390721	4756694	24	24	1.006812	28	JSL	JSL	3.6%
592-57-4	1,3-Cyclohexadiene	0.00126714	AERMOD-m	0.007306	390721	4756694	24	24	0.007306				Neg
598-25-4	3-Methyl-1,2-butadiene	0.01686067	AERMOD-m	0.097213	390721	4756694	24	24	0.097213				Neg
624-64-6	trans-2-Butene	0.01686997	AERMOD-m	0.097267	390721	4756694	24	24	0.097267				Neg
637-92-3	Ethyl t-Butyl Ether	0.04115994	AERMOD-m	0.237315	390721	4756694	24	24	0.237315	84	JSL	JSL	0.3%
674-98-6	isopropane	0.03333333	AERMOD-674-98-6	39.97809	390672	4756770	24	24	39.97809	43.12196		5576-9C5K3R	92.7%
760-21-4	2-Ethyl-1-Butene	0.00232541	AERMOD-m	0.013408	390721	4756694	24	24	0.013408				Neg
872-05-9	1-Decene	0.00024837	AERMOD-m	0.001432	390721	4756694	24	24	0.001432	60000	Health	Guideline	0.0%
994-05-8	Tertiary amyl methyl ether	0.0205864	AERMOD-m	0.118695	390721	4756694	24	24	0.118695	62	JSL	JSL	0.2%

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
1111-78-0	Ammonium Carbamate	0.00070155	AERMOD-m	0.004045	390721	4756694	24	24	0.004045				Neg
1300-72-7	Sodium xylenesulfonate	0.3286544	AERMOD-m	1.894918	390721	4756694	24	24	1.894918	8	JSL	JSL	23.7%
1309-48-4	Magnesium Oxide	7.5599E-06	AERMOD-m	0.003274	390883	4756895	24	24	0.003274	120	Particulate	Schedule 3	0.0%
1314-23-4	Zirconium Oxide	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
1317-61-9	hydroxy-oxo-iron; iron	0.00045359	AERMOD-m	0.196468	390883	4756895	24	24	0.196468	0.3154		5576-9C5K3R	62.3%
1317-65-3	Calcium carbonate (Limestone)	0.0001512	AERMOD-m	0.065489	390883	4756895	24	24	0.065489	24	JSL	JSL	0.3%
1317-70-0	Titanium Dioxide (Anatase)	0.01199079	AERMOD-m	0.069135	390721	4756694	24	24	0.069135				Neg
1330-20-7	Xylene	0.3961638	AERMOD-m	187.576782	390883	4756895	24	24	187.576782	730	Health	Schedule 3	25.7%
1332-58-7	Aluminium Silicate (Kaolin)	0.0009256	AERMOD-m	1.121886	390672	4756770	24	24	1.121886	8	JSL	JSL	14.0%
1333-86-4	Carbon Black	0.00014167	AERMOD-m	0.186002	390672	4756770	24	24	0.186002	10	Soiling	Schedule 3	1.9%
1336-21-6	Ammonium hydroxide	8.6938E-06	AERMOD-m	5.01259E-05	390721	4756694	24	24	5.01259E-05	100	JSL	JSL	0.0%
1344-00-9	Silicic acid, aluminum sodium salt	2.3625E-05	AERMOD-m	0.031018	390672	4756770	24	24	0.031018				Neg
1344-09-8	Sodium Silicate	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
1344-28-1	Aluminium oxide	4.5359E-05	AERMOD-m	0.019647	390883	4756895	24	24	0.019647	120	Particulate	Guideline	0.0%
1574-41-0	Cis-1,3-pentadiene	0.00196177	AERMOD-m	0.011311	390721	4756694	24	24	0.011311				Neg
1634-04-4	Methyl tert-butyl ether	0.04537164	AERMOD-m	0.261599	390721	4756694	24	24	0.261599	7000	Health	Guideline	0.0%
2004-70-8	trans-1,3 pentadiene	0.00032133	AERMOD-m	0.001853	390721	4756694	24	24	0.001853				Neg
3734-33-6	Ammonium, benzyldiethyl((2,6-xylylcarbamoyl) methyl)-, benzoate	9.6362E-06	AERMOD-m	5.55595E-05	390721	4756694	24	24	5.55595E-05				Neg
6842-15-5	Propylene Tetramers	0.01351693	AERMOD-m	0.077934	390721	4756694	24	24	0.077934				Neg
7429-00-9	Aluminium	0.0016301	AERMOD-m	0.676869	390883	4756895	24	24	0.676869	4.8	JSL	JSL	14.1%
7439-89-6	Iron	0.00120958	AERMOD-m	0.523914	390883	4756895	24	24	0.523914	0.840934		5576-9C5K3R	62.3%
7439-95-4	Magnesium	8.3159E-05	AERMOD-m	0.036019	390883	4756895	24	24	0.036019	0.2	JSL	JSL	18.0%
7439-96-5	Manganese	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745	0.4	Health	Schedule 3	8.2%
7439-98-7	Molybdenum	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745	120	Particulate	Guideline	0.0%
7440-02-0	Nickel	0.00030239	AERMOD-m	0.130978	390883	4756895	24	24	0.130978	2	assessment Va	Schedule 3	6.5%
7440-02-0	Nickel	0.00030239	AERMOD-m	0.016615	390883	4756895	8760	8760	0.016615	0.04	Carcinogen	Schedule 3	41.5%
7440-03-1	Niobium, Columbium	1.512E-05	AERMOD-m	0.006549	390883	4756895	24	24	0.006549				Neg
7440-21-3	Silicon	0.00019656	AERMOD-m	0.085136	390883	4756895	24	24	0.085136	20	JSL	JSL	0.4%
7440-32-6	Titanium	0.0006456	AERMOD-m	0.679684	390672	4756770	24	24	0.679684	120	Particulate	Schedule 3	0.6%
7440-47-3	Chromium (metallic, II, III)	0.00045359	AERMOD-m	0.196468	390883	4756895	24	24	0.196468	0.5	Health	Schedule 3	39.3%
7440-48-4	Cobalt	4.8351E-06	AERMOD-m	0.006348	390672	4756770	24	24	0.006348	0.1	Health	Guideline	6.3%
7440-50-8	Copper	0.00010281	AERMOD-m	0.044533	390883	4756895	24	24	0.044533	50	Health	Schedule 3	0.1%
7440-66-6	Zinc	0.06824737	AERMOD-m	0.393525	390721	4756694	24	24	0.393525	120	Particulate	Schedule 3	0.3%
7440-67-7	Zirconium (and compounds)	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745	20	JSL	JSL	0.2%
7447-40-7	Potassium Chloride	0.00045359	AERMOD-m	0.196468	390883	4756895	24	24	0.196468	0.3154		5576-9C5K3R	62.3%
7647-14-5	Sodium chloride (NaCl)	0.10837045	AERMOD-m	0.628726	390721	4756694	24	24	0.628726	0.6524		5576-9C5K3R	96.4%
7664-38-2	Phosphoric acid (as P2O5)	0.00142678	AERMOD-m	0.008226	390721	4756694	24	24	0.008226	7	Health	Schedule 3	0.1%
7664-41-7	Ammonia	0.619126	AERMOD-m	2.41158	390921	4757164	24	24	2.41158	100	Health	Schedule 3	2.4%
7681-49-4	Sodium fluoride	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
7704-34-9	Sulphur	7.1345E-05	AERMOD-m	0.000411352	390721	4756694	24	24	0.000411352	20	JSL	JSL	0.0%
7783-06-4	Hydrogen sulphide	0.01822507	AERMOD-m	0.105094	390721	4756694	24	24	0.105094	7	Health	Schedule 3	1.5%
7784-18-1	Aluminium Fluoride	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
7789-24-4	Lithium Fluoride	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
7789-75-5	Calcium fluoride	0.0001512	AERMOD-m	0.065489	390883	4756895	24	24	0.065489	0.105117		5576-9C5K3R	62.3%
8002-05-9	Petroleum oil	1.80440982	AERMOD-m	10.403661	390721	4756694	24	24	10.403661	1400	JSL	JSL	0.7%
8006-61-9	Gasoline	0.02947855	AERMOD-m	0.169964	390721	4756694	24	24	0.169964	1400	JSL	JSL	0.0%
8008-20-6	No. 5 Fuel Oil	0.01437685	AERMOD-m	0.082892	390721	4756694	24	24	0.082892				Neg
8042-47-5	White Mineral Oil	0.0056699	AERMOD-m	2.674851	390672	4756770	24	24	2.674851	37	JSL	JSL	7.2%
8049-17-0	Ferrosilicon (Fe2Si)	3.7799E-05	AERMOD-m	0.016372	390883	4756895	24	24	0.016372				Neg

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
8052-41-3	Stoddard solvent (Mineral Spirits)	0.09123813	AERMOD-m	18.034521	390883	4756895	24	24	18.034521	2600	Health	Schedule 3	0.7%
8052-42-4	Asphalt	0.04518051	AERMOD-m	0.395768	390883	4756895	24	24	0.395768	1.2	JSL	JSL	33.0%
8061-51-6	Sodium Lignosulphonate	0.13863637	AERMOD-m	0.799334	390721	4756694	24	24	0.799334	0.8245		5576-9C5K3R	96.9%
9002-92-0	Polyoxyethylene lauryl ether	0.90984642	AERMOD-m	5.245888	390721	4756694	24	24	5.245888	12	JSL	JSL	43.7%
10102-44-0	Nitrogen oxides	2.81831986	AERMOD-m	48.805298	390886	4756983	1	1	48.805298	400	Health	Schedule 3	12.2%
10102-44-0	Nitrogen oxides	2.81831986	AERMOD-m	17.130016	390921	4756934	24	24	17.130016	200	Health	Schedule 3	8.6%
11108-67-1	Boron Alloys (as B)	1.512E-05	AERMOD-m	0.006549	390883	4756895	24	24	0.006549				Neg
13463-67-7	Titanium Dioxide	0.0010768	AERMOD-m	1.133639	390672	4756770	24	24	1.133639	34	Health	Guideline	3.3%
13775-52-5	Aluminate(3-), hexafluoro-, tripotassium	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
13821-20-0	Lithium Hexafluoraluminate	0.0001512	AERMOD-m	0.065489	390883	4756895	24	24	0.065489	0.105117		5576-9C5K3R	62.3%
14807-96-6	Talc, fibrous	4.465E-05	AERMOD-m	0.022206	390884	4756905	24	24	0.022206	2	Health	Guideline	1.1%
14808-60-7	Silicon dioxide	1.512E-05	AERMOD-m	0.006549	390883	4756895	24	24	0.006549	5	Health	Guideline	0.1%
15096-52-3	Cyrolite	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
18540-29-9	Chromium compounds - Hexavalent	2.268E-08	AERMOD-m	9.82338E-06	390883	4756895	24	24	9.82338E-06	0.07	Assessment Va	Schedule 3	0.0%
18540-29-9	Chromium compounds - Hexavalent	2.268E-08	AERMOD-m	1.24609E-06	390883	4756895	8760	8760	1.24609E-06	0.00014	Carcinogen	Schedule 3	0.9%
25013-15-4	Vinyl Toluene	0.00265108	AERMOD-m	0.015285	390721	4756694	24	24	0.015285	580	JSL	JSL	0.0%
25167-67-3	1-Butene	2.03293942	AERMOD-m	5.875813	390721	4756694	24	24	5.875813	64	JSL	JSL	9.2%
25551-13-7	Trimethylbenzene	0.00011495	AERMOD-m	0.000662756	390721	4756694	24	24	0.000662756				Neg
27253-31-2	Cobalt Neodecanoate	2.8333E-05	AERMOD-m	0.0372	390672	4756770	24	24	0.0372	0.102415		5576-9C5K3R	36.3%
37251-69-7	Alkyl Phenol Ethoxylate Propoxylate	0.01469172	AERMOD-m	0.084708	390721	4756694	24	24	0.084708				Neg
38640-62-9	bis(isopropyl)naphthalene	0.0015248	AERMOD-m	0.008791	390721	4756694	24	24	0.008791				Neg
61788-59-8	Fatty-acids, coco, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
61788-61-2	fatty acids, tallow, me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
64741-44-2	Distillates, petroleum, Straight run middle	0.04243505	AERMOD-m	0.244667	390721	4756694	24	24	0.244667	36	JSL	JSL	0.7%
64741-59-9	Distillates, (petroleum), light catalytic cracked	0.00710096	AERMOD-m	0.040942	390721	4756694	24	24	0.040942	9.3	JSL	JSL	0.4%
64741-62-4	Catalytic Cracked Clarified Oil	0.02283837	AERMOD-m	0.131679	390721	4756694	24	24	0.131679	12	JSL	JSL	1.1%
64741-63-5	Naphtha, petroleum, light catalytic reformed	0.36079381	AERMOD-m	2.080226004	390721	4756694	24	24	2.080226004	100		JSL	2.1%
64741-65-7	Heavy Alkylate Naphtha	0.13440147	AERMOD-m	43.606785	390672	4756770	24	24	43.606785	161.2		5576-9C5K3R	27.1%
64741-66-8	Naphtha, petroleum, light alkylate	0.63208963	AERMOD-m	3.64443	390721	4756694	24	24	3.64443	2600	Health	Schedule 3	0.1%
64742-46-7	Distillates, petroleum, hydrotreated middle	0.01457153	AERMOD-m	0.084015	390721	4756694	24	24	0.084015	2	JSL	JSL	4.2%
64742-47-8	Distillates, petroleum, hydrotreated light	0.03210289	AERMOD-m	1.670928	390672	4756770	24	24	1.670928	24	JSL	JSL	7.0%
64742-48-9	Hydrotreated Heavy Naphtha	0.11157634	AERMOD-m	40.099945	390672	4756770	24	24	40.099945	121.9201		5576-9C5K3R	32.9%
64742-49-0	Naphtha, petroleum, hydrotreated light	0.00708738	AERMOD-m	3.343564	390672	4756770	24	24	3.343564	257.3	JSL	JSL	1.3%
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	0.03049632	AERMOD-m	0.175832	390721	4756694	24	24	0.175832	16	JSL	JSL	1.1%
64742-54-7	Distillates, petroleum, hydrotreated heavy paraffinic	0.03227559	AERMOD-m	0.186091	390721	4756694	24	24	0.186091	37	JSL	JSL	0.5%
64742-55-8	Distillate, petroleum, hydrotreated light paraffinic	0.01524936	AERMOD-m	0.087923	390721	4756694	24	24	0.087923	3.68	JSL	JSL	2.4%
64742-62-7	Residual oils, petroleum, solvent-dewaxed	0.03067002	AERMOD-m	0.176834	390721	4756694	24	24	0.176834	3.68	JSL	JSL	4.8%

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
64742-65-0	Distillates, petroleum, dewaxed heavy paraffinic	0.02996387	AERMOD-m	0.172762	390721	4756694	24	24	0.172762	37	JSL	JSL	0.5%
64742-81-0	Kerosine, petroleum, hydrodesulfurized	0.03191923	AERMOD-m	0.184036	390721	4756694	24	24	0.184036	2	JSL	JSL	9.2%
64742-88-7	Solvent Naphtha Medium Aliphatic	0.15493833	AERMOD-m	57.249126	390672	4756770	24	24	57.249126	297.8065		5576-9C5K3R	19.2%
64742-89-8	Solvent Naphtha Light Aliphatic	0.05505754	AERMOD-m	6.990814	390672	4756770	24	24	6.990814	39.26064		5576-9C5K3R	17.8%
64742-94-5	Naphtha, petroleum, heavy aromatic solvent	0.03186548	AERMOD-m	0.183726	390721	4756694	24	24	0.183726	1024	JSL	JSL	0.0%
64742-95-6	Naphtha, petroleum, light aromatic solvent	0.07079297	AERMOD-m	11.553366	390883	4756895	24	24	11.553366	305	JSL	JSL	3.8%
65996-61-4	Pulp, cellulose	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
65996-74-9	Mill Scale, ferrous metal	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
67762-26-9	Fatty acids, C14-18 and C16-18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
67762-37-2	Fatty acids, C8-18 and C18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
67762-38-3	Fatty acids methyl esters	0.01648039	AERMOD-m	0.095021	390721	4756694	24	24	0.095021				Neg
67762-39-4	Fatty-acids, C6-12, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
67762-40-7	Fatty-acids, C10-16, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
67784-80-9	Methyl ester, soybean oil	0.37372595	AERMOD-m	2.154786	390721	4756694	24	24	2.154786	2.223		5576-9C5K3R	96.9%
68390-63-6	Fatty-acids, castor oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68410-97-9	Light Hydrocarbon Aliphatic Solvent	0.08947094	AERMOD-m	0.515861	390721	4756694	24	24	0.515861	0.5321		5576-9C5K3R	96.9%
68425-31-0	Natural Gasoline (C5-C8)	0.015878	AERMOD-m	0.091548	390721	4756694	24	24	0.091548				Neg
68440-46-0	Fatty-acids, sperm oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68476-33-5	Residual Fuel Oil	0.01364669	AERMOD-m	0.078683	390721	4756694	24	24	0.078683				Neg
68476-34-6	Diesel Fuel No. 2	0.01516894	AERMOD-m	0.087459	390721	4756694	24	24	0.087459				Neg
68476-55-1	Hydrocarbons, C5-rich	0.90582822	AERMOD-m	5.222721	390721	4756694	24	24	5.222721	7.294		5576-9C5K3R	71.6%
68476-86-8	Petroleum gases, liquefied, sweetened	0.00779612	AERMOD-m	7.335874	390884	4756905	24	24	7.335874	26.73		5576-9C5K3R	27.4%
68477-40-7	Steam-cracked petroleum distillates C10-C12	0.70937284	AERMOD-m	4.090021	390721	4756694	24	24	4.090021	4.219		5576-9C5K3R	96.9%
68478-08-0	Naphtha, petroleum, light steam-cracked, C5-fraction, oligomer conc. Dicyclopentadiene	0.36781716	AERMOD-m	2.120718	390721	4756694	24	24	2.120718	2.187449		5576-9C5K3R	96.9%
68515-73-1	Triton CG-110	0.00861111	AERMOD-m	7.527561	390884	4756905	24	24	7.527561	14.58204		5576-9C5K3R	51.6%
68526-55-6	Nonene	1.01311001	AERMOD-m	3.959316	390921	4757164	24	24	3.959316	4.079		5576-9C5K3R	97.1%
68526-58-9	Alkenes, C11-13, C12-rich	0.01346485	AERMOD-m	0.077634	390721	4756694	24	24	0.077634				Neg
68605-02-7	Fatty-acids, fish oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68605-14-1	Fatty-acids, safflower oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68647-50-7	Fatty acids, C16 and C18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68649-42-3	Zinc Dialkylphosphorodithioate	0.00156685	AERMOD-m	0.009034	390721	4756694	24	24	0.009034				Neg
68814-87-9	Full Range Straight Run Middle Distillate	0.82298753	AERMOD-m	4.745087	390721	4756694	24	24	4.745087	4.894396		5576-9C5K3R	96.9%
68915-96-8	Heavy Atmospheric Gas Oil	0.01337058	AERMOD-m	0.077091	390721	4756694	24	24	0.077091				Neg
68919-53-9	Fatty-acids, soya, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68919-54-0	Fatty acids, sunflower-oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
68921-67-5	Hydrocarbons, ethylene-manufactured-by-product distillation residues	0.82341577	AERMOD-m	4.747557	390721	4756694	24	24	4.747557	4.897		5576-9C5K3R	96.9%
68937-80-4	Fatty acids, C16-20 and C16-18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68937-81-5	Fatty acids, C18 and C18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68937-83-7	Fatty-acids, C6-10, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68937-84-8	Fatty-acids, C12-18, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68938-13-6	Fatty-acids, castor oil, Me esters, hydrogenated	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
68956-48-9	Fuel Oil, Residual, waste-water skimmings	0.01280009	AERMOD-m	0.073801	390721	4756694	24	24	0.073801				Neg
68956-68-3	Vegetable oil mists	0.03330337	AERMOD-m	0.192017	390721	4756694	24	24	0.192017	20	JSL	JSL	1.0%
68990-52-3	Fatty acids, vegetable-oil, Methyl esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
69430-33-7	Petroleum Distillates	0.01477293	AERMOD-m	0.085176	390721	4756694	24	24	0.085176				Neg
70514-12-4	Lubricating oils, used	0.01344556	AERMOD-m	0.077523	390721	4756694	24	24	0.077523				Neg
71888-89-6	Diisoheptyl phthalate	0.00177185	AERMOD-71888-89-6	0.78815	390672	4756770	24	24	0.78815	0.823036		5576-9C5K3R	95.8%
72623-86-0	Lubricating Oils, Petroleum, C15-30, hydrotreated neutral oil-based	0.01524753	AERMOD-m	0.087912	390721	4756694	24	24	0.087912				Neg
73891-99-3	rape oil, me ester	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
74499-22-2	Fatty-acids, tall oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
74499-35-7	PHENOL, (TETRAPROPENYL) DERIVS	0.00016001	AERMOD-m	0.000923	390721	4756694	24	24	0.000923				Neg
84133-50-6	Secondary Alcohol (C12-C14) ethoxylates	0.00277778	AERMOD-84133-50-6	3.33151	390672	4756770	24	24	3.33151	3.594		5576-9C5K3R	92.7%
84238-16-4	Fatty-acids, mustard oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
84852-15-3	4-nonylphenol (branched)	0.03063363	AERMOD-84852-15-3	19.93004	390884	4756905	24	24	19.93004	25.94		5576-9C5K3R	76.8%
84989-14-0	Calcium Alkylbenzene Sulfonate	0.01469172	AERMOD-m	0.084708	390721	4756694	24	24	0.084708				Neg
85005-41-0	Fatty-acids, lanolin, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85049-38-3	Fatty acids, C14-18 and C16-22-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85186-80-7	Fatty acids, C14-18 and C18-unsatd., branched and li	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85408-67-9	Fatty acids, C18-24 and C16-24-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85480-42-8	Fatty acids, animal, unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85536-26-1	Fatty-acids, butter, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85566-26-3	Fatty-acids, C8-10, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85566-27-4	Fatty-acids, C12-16, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85586-20-5	Fatty-acids, C11-17, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85586-21-6	Fatty-acids, C16-18, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85586-25-0	Fatty-acids, rape oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
85631-62-5	Fatty-acids, coco, hydrogenated, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
86290-81-5	Aviation Gasoline	0.38418096	AERMOD-m	2.215067	390721	4756694	24	24	2.215067	2100	JSL	JSL	0.1%

Table E4:
Emissions Summary Table
(2015-11-19)

CAS#	Contaminant	Total Emission Rate (g/s)	Dispersion Model Used	Max POI Value (µg/m³)	Location of		Averaging Period Modelled (h)	Averaging Period of Criterion (h)	Max POI Value Converted to Criterion Period (µg/m³)	Criteria (µg/m³)	Limiting Effect	Regulation Schedule #	Percentage of Criteria or Likelihood of adverse effect (%)
					X (m)	Y (m)							
91002-21-0	Fatty-acids, C14-18-branched, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91031-65-1	Fatty-acids, C8-18, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91031-66-2	Fatty-acids, C12-20, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91031-67-3	Fatty-acids, C14-18, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91051-06-8	Fatty-acids, essential, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91051-16-0	Fatty-acids, linseed oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91051-32-0	Fatty-acids, palm kernel oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91051-34-2	Fatty-acids, palm oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
91697-62-0	Fatty-acids, rape oil, hydrogenated, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
93571-83-6	Fatty acids, C16-24 and C16-24-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
93572-01-1	Fatty-acids, olive oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
93572-08-8	Fatty-acids, peanut oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
93819-94-4	zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	0.00080004	AERMOD-m	0.004613	390721	4756694	24	24	0.004613				Neg
94733-11-6	Fatty-acids, C5-20, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
95009-32-8	Fatty-acids, Iris germanica, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
95009-33-9	Fatty-acids, Iris pallida, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
99493-55-7	Silicon oxide	7.5599E-05	AERMOD-m	0.032745	390883	4756895	24	24	0.032745				Neg
102047-28-9	Fatty acids, C16-18 and C16-18-unsatd., Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
129828-16-6	Fatty acids, canola-oil, Me esters	0.0004013	AERMOD-m	0.002314	390721	4756694	24	24	0.002314				Neg
848301-69-9	Distillates (Fischer -Tropsch), heavy, C18-50 – branched, cyclic and linear	0.01465194	AERMOD-m	0.084478	390721	4756694	24	24	0.084478				Neg
PM	Total particulate matter	0.10837206	AERMOD-PM	1.27108	390672	4756770	24	24	1.27108	120	Visibility	Guideline	1.1%

a 1-butene can only be cleaned in either the East flare (MSDS#272 Lanexess Butadiene) or West Flare (48 Equistar Butylenes Mix) at one time.

b nonene can only be cleaned in either the East flare or West Flare (MSDS#43 Tripropylene) at one time.

c outliers removed