



**Appendix F - Emission Summary Table**

Contaminant	CAS	Total Facility Emission Rate (g/s)	Averaging Period	Limiting Effect	Schedule	Ministry POI Limit ( $\mu\text{g}/\text{m}^3$ )	Max AERMOD POI Concentration ( $\mu\text{g}/\text{m}^3$ )	Percentage of Ministry POI Limit (%)
1,2-Dichloroethane, polymer with ammonia	29320-38-5	2.99E-01	24 hour	Previously Approved Max GLC		50	3.69E+01	73.8%
1,4-Diglycidyoxybutane	2425-79-8	1.11E-02	24 hour	Health	SL-PA	10	1.41E+00	14.1%
2-Ethyl-1,3-hexanediol	94-96-2	8.33E-03	24 hour	Health	SL-JSL	150	1.58E+00	1.1%
Acetone	67-64-1	1.83E-03	24 hour	Health	Standard	11880	2.31E-01	0.0%
Adipic acid	124-04-9	1.22E-01	24 hour	Health	Guideline	1167	2.33E+01	2.0%
Alumina	1334-28-1	5.21E-06	24 hour	de minimus	de minimus	0.1	1.35E-03	1.4%
Aluminum	7429-90-5	3.47E-06	24 hour	Health	SL-JSL	12	8.99E-04	0.0%
Ammonia	7664-41-7	8.33E-04	24 hour	Health	Standard	100	1.34E-01	0.1%
Bisphenol A	80-05-7	1.11E-02	24 hour	Health & Particulate	SL-MD	120	1.41E+00	1.2%
Butoxy-2-propanol, 1-	5131-66-8	1.81E-05	24 hour	Health	Guideline	3300	4.58E-03	0.0%
Butyl acetate, n-	123-86-4	4.19E-03	1 hour	Health Odour	Guideline	15000	3.86E+00	0.0%
Butyl acetate, n-	123-86-4	4.19E-03	10 minute	Health Odour	Guideline	1000	6.38E+00	0.6%
Calcium carbonate	471-34-1	8.68E-06	24 hour	Health & Particulate	SL-JSL	15	2.25E-03	0.0%
Calcium Fluoride	7789-75-5	1.74E-05	24 hour	de minimus	de minimus	0.1	4.49E-03	4.5%
Chromium Compounds (metallic, divalent and trivalent forms)	7440-47-3	5.56E-05	24 hour	Health	Standard	0.5	1.44E-02	2.9%
Copper	7440-50-8	5.28E-05	24 hour	Health	Standard	50	1.36E-02	0.0%



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Diethylene glycol monobutyl ether	112-34-5	8.33E-03	24 hour	Health	Guideline	65	1.58E+00	2.4%
Ethanol (Ethyl alcohol)	64-17-5	1.92E-01	1 hour	Odour	Guideline	19000	1.25E+02	0.7%
Iron (metallic)	7439-89-6	1.74E-04	24 hour	Health	Standard	4	4.49E-02	1.1%
Isobutyl acetate	110-19-0	6.35E-03	10 minute	Odour	Guideline	1660	7.47E+00	0.4%
Isopropanol (Isopropyl alcohol)	67-63-0	1.85E+00	24 hour	Health	Standard	7300	3.38E+02	4.6%
Magnesium oxide	1309-48-4	6.94E-06	24 hour	Particulate	Standard	120	1.80E-03	0.0%
Manganese and Manganese Compounds	7439-96-5	2.34E-05	24 hour	Health	Standard	0.4	6.07E-03	1.5%
Manganese Tetraoxide	1317-35-7	6.94E-06	24 hour	de minimus	de minimus	0.1	1.80E-03	1.8%
Methane diphenyl diisocyanate (MDI Monomer)	101-68-8	6.20E-08	24 hour	Health	Standard	0.7	1.64E-05	0.0%
Methanol (Methyl alcohol)	67-56-1	1.51E-02	24 hour	Health	Standard	4000	3.29E+00	0.1%
Methyl ethyl ketone (2-Butanone)	78-93-3	1.47E-06	24 hour	Health	Standard	1000	1.86E-04	0.0%
Molybdenum	7439-98-7	5.21E-05	24 hour	Particulate	Guideline	120	1.35E-02	0.0%
Nickel and Nickel Compounds	7440-02-0	1.72E-04	24 hour	Health	DAV	2	4.45E-02	2.2%
Nickel and Nickel Compounds	7440-02-0	1.72E-04	annual	Health	AAV	0.4	6.77E-03	1.7%



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Nickel and Nickel Compounds	7440-02-0	1.72E-04	annual	Health	Standard	0.04	6.77E-03	16.9%
Niobium	7440-03-1	8.68E-06	24 hour	Health	SL-JSL	2.5	2.25E-03	0.1%
Organic amine	102-60-3	8.33E-03	24 hour	Previously Approved Max GLC		2.81	1.58E+00	56.3%
p-Chlorobenzotrifluoride	98-56-6	1.34E-01	24 hour	Health	SL-JSL	350	2.77E+01	7.9%
Polymeric methane diphenyl diisocyanate (PMDI)	9016-87-9	6.20E-08	24 hour	Health	Standard	0.7	1.64E-05	0.0%
Potassium	7440-09-7	6.94E-06	24 hour	Health	SL-JSL	1	1.80E-03	0.2%
p-tert-Butyl phenyl glycidyl ether	3101-60-8	8.33E-04	24 hour	Health & Particulate	SL-MD	120	1.03E-01	0.1%
Rosin	8050-09-7	2.50E-03	24 hour	Health & Particulate	SL-JSL	15	3.48E-01	2.3%
Silica - respirable (<10 $\mu\text{m}$ diameter), quartz	14808-60-7	8.68E-06	24 hour	Health	Guideline	5	2.25E-03	0.0%
Silicon	7440-21-3	7.81E-06	24 hour	Health	SL-PA	27	2.02E-03	0.0%
Silver	7440-22-4	3.11E-06	24 hour	Health	Standard	1	3.79E-04	0.0%
Sodium	7440-23-5	3.47E-06	24 hour	de minimus	de minimus	0.1	8.99E-04	0.9%
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1.51E-05	24 hour	Health	SL-JSL	500	1.91E-03	0.0%
Stearic acid	57-11-4	6.25E-05	24 hour	Health & Particulate	SL-MD	120	1.01E-02	0.0%



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Suspended particulate matter (< 44 $\mu\text{m}$ diameter)	N/A (tsp)	7.99E-02	24 hour	Visibility	Standard	120	1.47E+01	12.2%
Terphenyl hydrogenated	61788-32-7	2.33E-02	24 hour	Health	SL-JSL	25	1.68E+00	6.7%
Tin	7440-31-5	9.34E-05	24 hour	Health	Standard	10	1.14E-02	0.1%
Titanium	7440-32-6	6.08E-06	24 hour	Particulate	Standard	120	1.57E-03	0.0%
Titanium dioxide	13463-67-7	2.60E-05	24 hour	Health	Guideline	34	6.74E-03	0.0%
Toluene	108-88-3	4.40E-06	24 hour	Odour	Guideline	2000	5.57E-04	0.0%
Trimethoxymethylsilane	1185-55-3	2.92E-04	24 hour	Health	SL-JSL	400	4.70E-02	0.0%
Tungsten	7440-33-7	7.81E-06	24 hour	Health	SL-JSL	5	2.02E-03	0.0%
Vanadium	7440-62-2	1.04E-05	24 hour	Health	Standard	2	2.70E-03	0.1%
Zinc Oxide	1314-13-2	2.80E-06	24 hour	de minimus	de minimus	0.1	3.54E-04	0.4%
Zirconium	7440-67-7	1.74E-06	24 hour	Health	SL-JSL	25	4.49E-04	0.0%
Zirconium(IV) oxide	1314-23-4	1.39E-05	24 hour	Health	SL-PA	10	3.59E-03	0.0%