



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Arkema Canada Inc.	Usine de Bécancour	Urea	0.0	0.0							
		VOC Other	47.2	45.0	S						
		Volatile Organic Compounds (VOCs)	74.4	70.0	S					CT	
		Xylene (mixed isomers)	11.2	11.0	3	S				CT	
Arkema Canada Inc. Total			242.1	167.5							
Ashland Canada Corp.	BURLINGTON PLANT	Amylopectine	0.0	0.0	S						
		Cyclohexylamine	0.0	0.0	S						
		GE - Dipropylene glycol methyl ether (DPGME)	0.0	0.0	S						
		Hexadecanoic acid	0.0	0.0	S						
		Hydrochloric acid (Hydrogen chloride)	0.1	0.1	3						
		Lube oil	0.0	0.0							
		Monoethanolamine	0.0	0.0	S						
		Morpholine	0.0	0.0	S						
		MSG#3 - Hydrotreated heavy paraffinic mineral oil	0.0	0.0	S						
		n,n-Ethylene-bis-stearamide	0.0	0.0	S						
		PM10 - Particulate Matter <= 10 Microns	2.1	2.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.3	1.2	S						
		Polyethylene glycol	0.0	0.0							
		Potassium hydroxide	0.0	0.0							
		Propylene glycol	0.0	0.0	S						
		Silica	0.0	0.0	3						
		Silicone	0.0	0.0							
Sodium benzotriazole (methyl-h-benzotriazole)	0.0	0.0									
Sodium hydroxide	0.0	0.0									
Sodium lignosulphonate	0.0	0.0									
Sodium nitrite	0.1	0.1									
Ashland Canada Corp.	BURLINGTON PLANT Total		3.6	3.4							



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			2012	2015							
Ashland Canada Corp.	Kelowna	2-Ethylhexanol	0.0	0.0	S						
		Acetone	0.0	0.0							
		Adipic acid	0.1	0.1						CT	
		Aluminum (and compounds)	0.1	0.1							
		Calcium carbonate	0.0	0.0							
		Carbon dioxide (CO2)	2299.0	2953.0				CC		CT	
		Cobalt (and compounds)	0.0	0.0	2B						CM
		Dicyclopentadiene	0.1	0.1		S				CT	
		Diethylene glycol	0.0	0.0		S					
		Ethylene glycol	0.0	0.0		S				CT	
		Maleic anhydride	0.0	0.0		S				CT	
		Methyl methacrylate	0.0	0.0	3	S				CT	
		Phthalic anhydride	0.0	0.0		S				CT	
		Propylene glycol	0.0	0.0		S					
		Silica	0.1	0.1	3						
		Styrene	0.2	0.3	2B	S					CT
		Titanium (and its compounds)	0.1	0.1							
Volatile Organic Compounds (VOCs)	0.3	0.4		S					CT		
Ashland Canada Corp.	Kelowna Total		2300.0	2954.1							
Ashland Canada Corp. Total			2303.6	2957.5							
BASF Canada Inc.	CORNWALL SITE	1-Octanol	0.0	0.0		S					
		2-Ethylhexanol	1.6	1.6		S					
		Bis(2-ethylhexyl)adipate	0.1	0.1	3						CM
		Bis(2-ethylhexyl)phthalate(DEHP)	0.0	0.0	2B	S				CT	
		Carbon dioxide (CO2)	8838.2	8850.0				CC		CT	
		Carbon monoxide	1.8	1.8							
		Methane	0.2	0.2				CC		CT	
		Methylenebis (phenylisocyanate) (MBI)	0.0	0.0	3	S				CT	
		n-Dioctyl phthalate	0.0	0.0							
		Nitrous oxide	0.2	0.2				CC		CT	
		NOx (oxides of nitrogen)	12.6	12.5		S				CT	
		Phthalic anhydride	0.0	0.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.8	0.8		S				CT	
PM2.5 - Particulate Matter <=2.5 Microns	0.6	0.6		S							



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			2012	2015							
BASF Canada Inc.	CORNWALL SITE	Polymeric diphenylmethane diisocyanate	0.0	0.0	3	S					
		Sulphur dioxide	0.0	0.0	3	S				CT	
		TPM - Total Particulate Matter	0.8	0.8		S					
		Volatile Organic Compounds (VOCs)	2.5	2.5		S				CT	
BASF Canada Inc.	CORNWALL SITE Total		8859.3	8871.1							
BASF Canada Inc.	METASHEEN	1-methoxy-2-propanol (PGME) - Glycol Ether	0.0	0.0		S					
		2-Butoxyethanol	0.2	0.0	3	S				CT	
		Carbon dioxide (CO2)	257.6	0.0				CC		CT	
		Carbon monoxide	0.2	0.0							
		Ethyl acetate	246.6	0.0		S				CT	
		Isopropyl acetate	0.0	0.0		S					
		Methane	0.0	0.0				CC		CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	0.2	0.0		S				CT	
		n-Propyl acetate	0.0	0.0		S					
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0		S					
		Propylene glycol methyl ether acetate	0.0	0.0		S					CT
		Sulphur dioxide	0.0	0.0	3	S					CT
		TPM - Total Particulate Matter	0.0	0.0		S					
Volatile Organic Compounds (VOCs)	246.8	0.0		S					CT		
BASF Canada Inc.	METASHEEN Total		751.6	0.0							
BASF Canada Inc.	TORONTO SITE	1,2-Dichloroethylene-trans	2.1	2.0		S					
		Carbon dioxide (CO2)	1040.0	1040.0				CC		CT	
		Cyclopentane	0.4	0.4		S					
		Ethylene glycol	0.0	0.0		S					CT
		Formic acid	0.1	0.6		S					CT
		Hydrofluorocarbon 134a	0.0	0.0				CC		CT	
		Isopentane	0.0	0.0		S					
		n-Butyl acetate	0.2	0.2		S					CT
		n-Heptane	0.0	0.0		S					
n-Pentane	0.0	0.0		S							
BASF Canada Inc.	TORONTO SITE Total		1042.8	1043.2							



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			Actual 2012	Projected 2015	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
BASF Canada Inc.	Windsor Site	1,2,4-Trimethylbenzene	0.9	0.9	S					CT	
		1-methoxy-2-propanol (PGME) - Glycol Ether	0.1	0.1	S						
		2,4,7,9-Tetramethyl-5-decyne-4,7-diol	0.0	0.0	S						
		2-Butoxyethanol	4.0	4.0	3	S					CT
		2-Ethylhexanol	0.2	0.2	S						
		3-Ethoxypropanoic acid ethyl ester	0.0	0.0	S						
		Acetone	59.0	59.0							
		Carbon dioxide (CO2)	2900.0	2900.0				CC			CT
		Diethylene glycol butyl ether	0.0	0.0	S						CT
		Diethylene glycol butyl ether acetate (DEBBA)	0.0	0.0	S						
		Ethyl acetate	0.5	0.5	S						CT
		Ethylbenzene	1.3	1.3	2B	S					CT
		Ethylene glycol butyl ether acetate	0.1	0.1	S						CT
		GE - Dipropylene glycol methyl ether (DPGME)	0.8	0.8	S						
		Heavy alkylate naphtha	0.1	0.1	S						CT
		Heavy aromatic solvent naphtha	0.2	0.2	S						CT
		Hydrotreated heavy naphtha	0.1	0.1	S						CT
		Isobutyl acetate	0.0	0.0	S						
		Isobutyl alcohol	0.4	0.4	S						CT
		Isopropyl alcohol (Isopropanol)	0.8	0.8	3	S					CT
		Light aromatic solvent naphtha	1.5	1.5	S						CT
		Methyl amyl ketone	1.2	1.2	S						
		Methyl ethyl ketone	4.0	4.0	S						CT
		Methyl ethyl ketoximine	0.0	0.0	S						CM
		Methyl isoamyl ketone	0.4	0.4	S						
		Methyl isobutyl ketone	3.5	3.5	2B	S					CT
		Methyl propyl ketone	1.8	1.8	S						
		n-Butyl acetate	3.9	3.9	S						CT
		n-Butyl alcohol	1.8	1.8	S						CT
		N-Methyl-2-pyrrolidone	0.1	0.1	S						CT
n-Propanol (n-Propyl alcohol)	0.1	0.1	S								
n-Propyl acetate	0.7	0.7	S								
Propylene glycol butyl ether	0.0	0.0	S						CT		
Propylene glycol methyl ether acetate	1.2	1.2	S						CT		



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			2012	2015							
BASF Canada Inc.	Windsor Site	Propylene glycol propyl ether (PGPE) - Glycol	0.7	0.7		S					
		Solvent naphtha light aliphatic	0.4	0.4		S				CT	
		Stoddard solvent	0.0	0.0		S				CT	
		Toluene	1.6	1.6	3	S				CT	
		Trimethylbenzene (all isomers excluding 1,2,4)	0.0	0.0						CT	
		VM & P naphtha	0.1	0.1		S				CT	
		Volatile Organic Compounds (VOCs)	37.0	37.0		S				CT	
		Xylene (mixed isomers)	4.3	4.3	3	S				CT	
		Zinc (and compounds)	0.0	0.0							CM
		BASF Canada Inc.	Windsor Site Total		3032.9	3032.9					
BASF Canada Inc. Total			13686.5	12947.1							
Canada Colors & Chemicals Ltd.	BRAMPTON WAREHOUSE	1,2,4-Trimethylbenzene	0.0	0.0		S				CT	
		1,6-Hexamethylenediamine	0.0	0.0							
		1-methoxy-2-propanol (PGME) - Glycol Ether	0.0	0.0		S					
		2-Butoxyethanol	0.0	0.0	3	S				CT	
		2-Ethylhexanol	0.0	0.0		S					
		2-Methylpentanediol	0.0	0.0		S					
		3-Ethoxypropanoic acid ethyl ester	0.0	0.0		S					
		4-Methyl-2-pentanol	0.0	0.0		S					
		Acetone	1.6	1.5							
		Amyl acetate	0.0	0.0		S					
		Bis(2-ethylhexyl)adipate	0.0	0.0	3						CM
		Bis(2-ethylhexyl)phthalate(DEHP)	0.0	0.0	2B	S				CT	
		Carbon dioxide (CO2)	352.9	355.0				CC		CT	
		Carbonic acid disodium salt	0.0	0.0							
		Copper (inorganic salts)	0.0	0.0							
		Cumene (isopropylbenzene)	0.0	0.0		S				CT	
		Cyclohexylamine	0.0	0.0		S					
		Diacetone alcohol	0.0	0.0		S					
		Dichloromethane (Methylene chloride)	0.0	0.0	2B					CT	
		Diethanolamine (and salts)	0.0	0.0	2B	S					
Diethylene glycol	0.0	0.0		S							



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Canada Colors & Chemicals Ltd.	BRAMPTON WAREHOUSE	n-Heptane	0.1	0.1	S							
		n-Hexane	0.1	0.1	S					CT	CM	
		Nitrous oxide	0.0	0.0				CC		CT		
		N-Methyl-2-pyrrolidone	0.0	0.0	S					CT		
		Nonylphenol and its ethoxylates	0.0	0.0						CT		
		n-Propanol (n-Propyl alcohol)	0.0	0.0	S							
		n-Propyl acetate	0.0	0.0	S							
		Pentyl propionate	0.0	0.0								
		Potassium hydroxide	0.0	0.0								
		Propanoic acid	0.0	0.0	S							
		Propylene glycol	0.0	0.0	S							
		Propylene glycol butyl ether	0.0	0.0	S					CT		
		Propylene glycol methyl ether acetate	0.0	0.0	S					CT		
		Propylene glycol propyl ether (PGPE) - Glycol	0.0	0.0	S							
		Sodium hydroxide	0.0	0.0								
		Solvent naphtha light aliphatic	0.0	0.0	S					CT		
		Solvent naphtha medium aliphatic	0.0	0.0	S					CT		
		Sulphuric acid	0.0	0.0	1							
		Tetrachloroethylene (Perchloroethylene)	0.0	0.0	2A					CT		
		Tetrahydrofuran	0.0	0.0	S					CT		
Toluene	0.1	0.1	3	S				CT				
Urea	0.0	0.0										
Xylene (mixed isomers)	0.1	0.1	3	S				CT				
Canada Colors & Chemicals Ltd.	BRAMPTON WAREHOUSE Total		360.8	362.9								
Canada Colors & Chemicals Ltd.	COLBORNE PLANT	Bis(2-ethylhexyl)phthalate(DEHP)	0.0	0.0	2B	S				CT		
		Carbon dioxide (CO2)	100.1	110.0				CC		CT		
		Hexavalent chromium compounds	0.0	0.0						CT		
		Lead (and compounds)	0.0	0.0	2A					CT		
		Methane	1.4	1.4				CC		CT		
		Nitrous oxide	0.0	0.0				CC	CT			
Canada Colors & Chemicals Ltd.	COLBORNE PLANT Total		101.5	111.4								



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Canada Colors & Chemicals Ltd.	LEDUC FACILITY	1,6-Hexamethylenediamine	0.0	0.0							
		2-Butoxyethanol	0.0	0.0	3	S				CT	
		2-Ethylhexanol	0.0	0.0		S					
		Acetic acid/glacial acetic acid	0.0	0.0		S					
		Carbon dioxide (CO2)	245.8	240.0				CC		CT	
		Diethanolamine (and salts)	0.0	0.0	2B	S					
		Ethyl alcohol	0.0	0.0	1	S				CT	
		Ethylbenzene	0.0	0.0	2B	S				CT	
		Ethylene glycol	0.0	0.0		S				CT	
		Formaldehyde	0.0	0.0	1	S				CT	
		Formic acid	0.0	0.1		S				CT	
		Fuel oil #2 diesel fuel	0.0	0.0		S					
		GE - Dipropylene glycol methyl ether (DPGME)	0.0	0.0		S					
		Glycerol	0.0	0.0		S					
		Heavy aromatic solvent naphtha	0.0	0.0		S				CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Hydrogen peroxide	0.0	0.0	3						
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S				CT	
		Methane	3.5	3.5				CC		CT	
		Methanol	0.1	0.1		S				CT	
		Monoethanolamine	0.0	0.0		S					
Morpholine	0.0	0.0		S							
n-Heptane	0.0	0.0		S							
Nitrous oxide	0.0	0.0				CC		CT			
N-Methyl-2-pyrrolidone	0.0	0.0		S				CT			
Nonylphenol and its ethoxylates	0.0	0.0						CT			
Polyethylene glycol	0.0	0.0									



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			2012	2015							
Canada Colors & Chemicals Ltd.	LEDUC FACILITY	Potassium hydroxide	0.0	0.0							
		Propylene glycol	0.0	0.0	S						
		Propylene glycol propyl ether (PGPE) - Glycol	0.0	0.0	S						
		Pyridine, alkyl derivs.	0.0	0.0							CM
		Sodium hydroxide	0.0	0.0							
		Toluene	0.0	0.0	3	S				CT	
		Xylene (mixed isomers)	0.0	0.0	3	S				CT	
Canada Colors & Chemicals Ltd.	LEDUC FACILITY Total		249.5	243.7							
Canada Colors & Chemicals Ltd.	MONTREAL FACILITY	Acetic acid/glacial acetic acid	0.0	0.0	S						
		Acetone	0.3	0.3							
		Carbon dioxide (CO2)	132.4	130.0				CC		CT	
		Diethylene glycol butyl ether	0.0	0.0	S					CT	
		Ethyl acetate	0.0	0.0	S					CT	
		Ethyl alcohol	0.0	0.0	1	S				CT	
		Ethylbenzene	0.0	0.0	2B	S				CT	
		Ethylene glycol	0.0	0.0	S					CT	
		Formic acid	0.0	0.0	S					CT	
		Glycerol	0.0	0.0	S						
		Hydrogen peroxide	0.0	0.0	3						
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S				CT	
		Light aromatic solvent naphtha	0.0	0.0	S					CT	
		Methane	1.9	1.8				CC		CT	
		Methanol	0.0	0.0	S					CT	
		Methyl ethyl ketone	0.0	0.0	S					CT	
		MSG#3 - Solvent refined heavy paraffinic dist	0.0	0.0	S						
		Nitrous oxide	0.0	0.0				CC		CT	
		n-Propanol (n-Propyl alcohol)	0.1	0.1	S						
		n-Propyl acetate	0.0	0.0	S						
Polyethylene glycol	0.0	0.0									
Propylene glycol	0.0	0.0	S								
Solvent naphtha medium aliphatic	0.0	0.0	S					CT			



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			2012	2015							
Canada Colors & Chemicals Ltd.	MONTREAL FACILITY	Sulphuric acid	0.0	0.0	1						
		Toluene	0.0	0.0	3	S				CT	
		Xylene (mixed isomers)	0.0	0.0	3	S				CT	
Canada Colors & Chemicals Ltd.	MONTREAL FACILITY Total		134.9	132.4							
Canada Colors & Chemicals Ltd.	VANCOUVER FACILITY	Acetone	0.0	0.1							
		Carbon dioxide (CO2)	73.6	75.0				CC		CT	
		Ethyl acetate	0.0	0.0		S				CT	
		Ethylbenzene	0.0	0.0	2B	S				CT	
		Hydrogen peroxide	0.0	0.0	3						
		Isobutyl acetate	0.0	0.0		S					
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S				CT	
		Light aromatic solvent naphtha	0.0	0.0		S				CT	
		Methane	1.0	1.0				CC		CT	
		Methanol	0.0	0.0		S				CT	
		Methyl ethyl ketone	0.0	0.0		S				CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		n-Propanol (n-Propyl alcohol)	0.0	0.0		S					
		n-Propyl acetate	0.0	0.0		S					
		Propylene glycol	0.0	0.0		S					
		Solvent naphtha light aliphatic	0.0	0.1		S				CT	
Solvent naphtha medium aliphatic	0.0	0.0		S				CT			
		Toluene	0.1	0.1	3	S			CT		
		Xylene (mixed isomers)	0.0	0.0	3	S			CT		
Canada Colors & Chemicals Ltd.	VANCOUVER FACILITY Total		74.8	76.2							
Canada Colors & Chemicals Ltd. Total			921.5	926.6							

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			2012	2015								
Canexus Corporation	Beauharnois	Ammonia (Total)	0.1	0.1		S					CT	
		Calcium carbonate	0.0	0.0								
		Chlorine	0.2	0.2								
		Chromium (and compounds)	0.0	0.0								
		Hexavalent chromium compounds	0.0	0.0							CT	
		Hydrochloric acid (Hydrogen chloride)	0.3	0.3	3							
		Hydrochlorodifluoromethane (HCFC-22)	0.4	0.0	3		O	CC			CT	
		Hydrogen	1251.0	1000.0								
		Perlite	0.0	0.0								
		Sodium chlorate	59.6	60.0								
		TPM - Total Particulate Matter	4.0	4.1			S					
		Canexus Corporation	Beauharnois Total		1315.5	1064.6						
Canexus Corporation	Brandon	Calcium carbonate	0.3	0.0								
		Carbon dioxide (CO2)	2633.3	2500.0				CC			CT	
		Carbon monoxide	1.8	1.5								
		Chlorine	0.2	0.2								
		Chromium (and compounds)	0.0	0.0								
		Hexavalent chromium compounds	0.0	0.0							CT	
		Hydrochloric acid (Hydrogen chloride)	0.1	0.1	3							
		Hydrogen	11880.8	12000.0								
		NOx (oxides of nitrogen)	62.0	62.0			S					CT
		PM10 - Particulate Matter <= 10 Microns	6.4	6.0			S					CT
		PM2.5 - Particulate Matter <=2.5 Microns	2.6	2.5			S					
		Selenium (and compounds)	0.0	0.0								
		Sodium chlorate	1.9	1.9								
Sulphur dioxide	0.0	0.0	3		S					CT		
TPM - Total Particulate Matter	70.4	65.0			S							
Volatile Organic Compounds (VOCs)	0.1	0.1			S					CT		
Canexus Corporation	Brandon Total		14659.8	14639.3								



All Substances Emissions for 2012 and Projections for 2015
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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Canexus Corporation	North American Terminal Operations	Butane (all isomers)	15.3	15.3						CT	CM
		Carbon dioxide (CO2)	1555.4	1555.4				CC		CT	
		Carbon monoxide	1.1	1.1							
		Ethylbenzene	0.0	0.0	2B	S				CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Methane	0.0	0.0				CC		CT	
		n-Hexane	1.4	1.4		S				CT	CM
		Nitrous oxide	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	1.3	1.3		S				CT	
		PM10 - Particulate Matter <= 10 Microns	11.2	11.2		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.1	1.1		S					
		Sulphur dioxide	0.0	0.0	3	S				CT	
		Toluene	0.1	0.1	3	S				CT	
		TPM - Total Particulate Matter	43.4	43.4		S					
		VOC Other	81.0	81.0		S					
		Canexus Corporation	North American Terminal Operations Total	Volatile Organic Compounds (VOCs)	126.8	126.8		S			CT
Xylene (mixed isomers)	0.0			0.0	3	S			CT		
			1838.2	1838.2							
Canexus Corporation	Nanaimo	Carbon dioxide (CO2)	0.0	94.0				CC		CT	
		Carbon monoxide	0.0	0.1							
		Chlorine	0.2	0.1							
		Hexavalent chromium compounds	0.0	0.0						CT	
		Hydrogen	1272.2	100.0							
		Methane	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	0.0	0.1		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.3	0.5		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.3		S					
		Sulphur dioxide	0.0	0.0	3	S				CT	
Canexus Corporation	Nanaimo Total	Volatile Organic Compounds (VOCs)	0.0	0.0		S			CT		
			1272.6	195.0							
Canexus Corporation	North Vancouver Chlor-alkali Facility	Asbestos (friable)	0.0	0.0	3				CT		



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
		Calcium carbonate	41.1	40.0							
		Carbon dioxide (CO2)	10118.0	8000.0				CC		CT	
		Carbon monoxide	7.9	6.0							
		Chlorine	0.1	0.2							
		Copper (and compounds)	0.1	0.1							
		Fuel oil #2 diesel fuel	0.0	0.0		S					
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC		CT	
		Hydrofluorocarbon 134a	0.3	0.1				CC		CT	
		Lead (and compounds)	0.0	0.0	2A					CT	
		Lube oil	0.0	0.0							
		Natural gasoline	0.0	0.0	2B						
		Nickel (and compounds)	0.1	0.1	1						CM
		NOx (oxides of nitrogen)	27.0	25.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.2	0.2		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.2	0.2		S					
		Polychlorinated biphenyls (PCBs)	0.0	0.0	1					CT	
		Propane	0.0	0.0		S				CT	
		Sodium hydroxide	0.0	0.0							
		Sulphur dioxide	0.1	0.1	3	S				CT	
		Sulphuric acid	0.0	0.0	1						
		TPM - Total Particulate Matter	0.2	0.2		S					
		Volatile Organic Compounds (VOCs)	0.6	0.5		S				CT	
		Zinc (and compounds)	0.2	0.2							CM
Canexus Corporation	North Vancouver Chlor-alkali Facility Total		10196.1	8072.8							
Canexus Corporation Total			29282.2	25809.9							



All Substances Emissions for 2012 and Projections for 2015
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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
Chemtrade Logistics Inc.	Calgary	Alumina hydrate	0.0	0.0							
		Aluminum (and compounds)	0.1	0.1							
		Carbon monoxide	0.0	0.0							
Chemtrade Logistics Inc.	Calgary Total		0.1	0.1							
	Fort Saskatchewan CSC	Alumina hydrate	0.0	10.0							
		Carbon monoxide	0.1	0.1							
Chemtrade Logistics Inc.	Fort Saskatchewan CSC Total		0.1	10.1							
	Fort Saskatchewan Sulphides	Sulphur dioxide	331.5	160.0	3	S				CT	
		Sulphides Total	331.5	160.0							
Chemtrade Logistics Inc.	Fort Saskatchewan Sulphides Total										
Chemtrade Logistics Inc.	Montreal Est	Carbon dioxide (CO2)	21828.0	24000.0				CC		CT	
		Carbon monoxide	271.0	250.0							
		Diethanolamine (and salts)	0.0	0.0	2B	S					
		Hydrogen sulphide	0.1	0.1							
		NOx (oxides of nitrogen)	21.4	25.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.1	1.0		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.1	1.0		S					
		Sulphur dioxide	10.5	80.0	3	S				CT	
		Sulphuric acid	0.1	0.5	1						
		TPM - Total Particulate Matter	1.1	3.0		S					
Chemtrade Logistics Inc.	Montreal Est Total		22132.4	24360.6							
Chemtrade Logistics Inc.	Niagara Falls CSC	Sulphur dioxide	0.2	1.0	3	S				CT	
		Sulphuric acid	0.0	0.0	1						
Chemtrade Logistics Inc.	Niagara Falls CSC Total		0.2	1.0							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
Chemtrade Logistics Inc.	Prince George Acid	Acetaldehyde	0.0	0.0	2B	S					CT	
		Carbon dioxide (CO2)	47.1	47.1				CC			CT	
		Carbon monoxide	0.0	0.0								
		Ethylene	0.0	0.0	3	S					CT	
		Methane	0.0	0.0				CC			CT	
		Methanol	0.0	0.0		S					CT	
		n-Hexane	0.0	0.0		S					CT	CM
		Nitrous oxide	0.0	0.0				CC			CT	
		NOx (oxides of nitrogen)	0.0	0.0		S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.4	0.4		S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0		S						
		Propylene (propene)	0.0	0.0	3	S					CT	
		Sulphur dioxide	107.1	107.1	3	S					CT	
		Sulphuric acid	2.6	2.6	1							
		TPM - Total Particulate Matter	2.6	2.6		S						
		VOC Other	0.0	0.0		S						
				Volatile Organic Compounds (VOCs)	0.0	0.0		S				CT
Chemtrade Logistics Inc.	Prince George Acid Total		159.8	159.8								
Chemtrade Logistics Inc.	Prince George Chlorate	Cadmium (and compounds)	0.0	0.0	1							
		Hexavalent chromium compounds	0.0	0.0						CT		
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3							
		Lead (and compounds)	0.0	0.0	2A						CT	
		Sulphuric acid	0.0	0.0	1							
Chemtrade Logistics Inc.	Prince George Chlorate Total		0.0	0.0								
Chemtrade Logistics Inc.	Saskatoon	Alumina hydrate	0.2	0.2								
		Aluminum (and compounds)	0.0	0.0								
		Carbon monoxide	0.0	0.0								
Chemtrade Logistics Inc.	Saskatoon Total		0.2	0.2								
Chemtrade Logistics Inc. Total			22624.3	24691.7								



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Chemtura Canada Co. Cie.	Elmira	1,1-Dichloroethane	0.0	0.0	S						
		1-Decene	0.1	0.1	S						
		2-Mercaptoethanol	0.0	0.0							
		2-Methylpropene (Isobutylene)	1.8	1.3	S						
		Acetone	0.8	0.8							
		Activated carbon	0.0	0.0							
		alpha-Methyl styrene	0.0	0.0	2B	S					
		Aluminum (and compounds)	0.0	0.0							
		Ammonia (Total)	0.6	0.4	S					CT	
		Aniline (and salts)	0.0	0.0	S					CT	
		Carbon dioxide (CO2)	10460.7	11000.0				CC		CT	
		Decane	0.0	0.0	S						
		Dibromobutane	0.0	0.0	S						
		Diisobutylene	13.3	12.0	S					CT	
		Diphenylamine	0.0	0.0	S					CT	
		Ethane	0.2	0.2							
		Ethyl bromide	0.1	0.2	3	S					
		Ethylene glycol	0.0	0.0	S					CT	
		Hydrochloric acid (Hydrogen chloride)	0.1	0.1	3						
		Hydrogen bromide	0.5	0.8							
		Isopropyl alcohol (Isopropanol)	3.4	4.0	3	S				CT	
		Isopropyl ether	0.4	0.4	S						
		Lube oil	0.0	0.0							
		Methane	0.2	0.2				CC		CT	
		Methanol	0.1	0.1	S					CT	
		Methyl ethyl ketoximine	0.0	0.0	S						CM
		n-Butane	0.1	0.2	S						CM
		n-Dodecane	0.0	0.0	S						
		Nitrous oxide	0.1	0.1				CC		CT	
		Nonenes	5.4	5.0	S						
		n-Pentane	0.2	0.2	S						
		Phthalic anhydride	0.0	0.0	S					CT	
		PM10 - Particulate Matter <= 10 Microns	5.2	10.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	4.5	4.5	S						



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Cytex Canada Inc.	Welland Plant	1-Butene	1.0	1.5	S						
		1-Hexene	0.0	0.0	S						
		1-Octene	0.0	0.0	S						
		2-Methylpropene (Isobutylene)	0.0	0.0	S						
		Ammonia (Total)	1.3	4.5	S					CT	
		Carbon dioxide (CO2)	8559.9	8900.0				CC		CT	
		Carbon monoxide	4.5	5.0							
		Diisobutylene	0.0	0.0	S					CT	
		Ethane	0.2	0.2							
		Formaldehyde	0.0	0.0	1	S				CT	
		Fuel oil #2 diesel fuel	0.0	0.0		S					
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Hydrogen peroxide	0.0	0.0	3						
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S				CT	
		Methane	0.1	0.2				CC		CT	
		n-Hexane	0.1	0.1	S					CT	CM
		Nitrate ion (in solution at pH >=6.0)	11.1	35.0							
		Nitrous oxide	0.0	0.1				CC		CT	
		NOx (oxides of nitrogen)	4.0	4.0	S					CT	
		n-Pentane	0.2	0.2	S						
		Phosphorus (total)	1.0	2.0							
		Phosphorus (yellow or white)	0.0	0.0							
		PM10 - Particulate Matter <= 10 Microns	0.7	0.5	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.7	0.5	S						
		Sodium hydroxide	0.0	0.0							
		Sulphur dioxide	0.0	0.0	3	S				CT	
Sulphuric acid	0.0	0.0	1								
Toluene	0.0	0.0	3	S				CT			
TPM - Total Particulate Matter	0.7	0.5	S								
Urea	0.0	0.0									
VOC Other	0.3	0.3	S								
Volatile Organic Compounds (VOCs)	0.7	0.7	S					CT			
Cytex Canada Inc. Total			8586.6	8955.2							



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Substances Reported by Company and Facility (in alphabetical order by company)

			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
Dow Chemical Canada ULC	Prentiss Manufacturing Facility	1-Hexene	1.1	1.9		S					
		Carbon dioxide (CO2)	21545.9	22000.0				CC		CT	
		Carbon monoxide	78.7	80.0							
		Cyclohexane	0.0	0.0		S				CT	
		Diethylene glycol	0.0	0.0		S					
		Ethylene	27.8	45.0	3	S				CT	
		Ethylene glycol	0.0	0.0		S				CT	
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC		CT	
		Hydrogen	2.2	2.2							
		Isopentane	28.3	30.0		S					
		Methane	23.5	15.0				CC		CT	
		n-Hexane	0.0	0.0		S				CT	CM
		Nitrous oxide	0.1	0.1				CC		CT	
		NOx (oxides of nitrogen)	11.5	11.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	9.9	9.5		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0		S					
		Sulphur dioxide	0.0	0.0	3	S				CT	
		Tetrahydrofuran	0.0	0.0		S				CT	
		TPM - Total Particulate Matter	9.9	9.3		S					
		VOC Other	7.1	7.4		S					
		Volatile Organic Compounds (VOCs)	57.2	80.0		S				CT	
		White mineral oil	0.0	0.0		S				CT	
Dow Chemical Canada ULC	Prentiss Manufacturing Facility Total		21803.1	22291.4							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Dow Chemical Canada ULC	Varenes Facility	Acrylonitrile	0.0	0.0	2B	S					CT
		Ammonia (Total)	0.0	0.0		S					CT
		Asbestos (friable)	0.0	0.0	3						CT
		Carbon dioxide (CO2)	1083.5	1233.9				CC			CT
		Carbon monoxide	0.4	0.4							
		Ethyl alcohol	0.0	0.0	1	S					CT
		Ethylbenzene	0.2	0.3	2B	S					CT
		Fuel oil #2 diesel fuel	0.0	0.0		S					
		Hydrofluorocarbon 134a	209.2	238.3				CC			CT
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S					CT
		Lead (and compounds)	0.0	0.0	2A						CT
		Lube oil	0.0	0.0							
		Methane	0.0	0.0				CC			CT
		Nitrous oxide	0.0	0.0				CC			CT
		NOx (oxides of nitrogen)	0.8	0.9		S					CT
		PM10 - Particulate Matter <= 10 Microns	0.2	0.2		S					CT
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0		S					
		Polystyrene	0.0	0.0							
		Propylene glycol	0.1	0.1		S					
		Styrene	0.5	0.5	2B	S					CT
		Sulphur dioxide	0.0	0.0	3	S					CT
		TPM - Total Particulate Matter	0.2	0.3		S					
		Volatile Organic Compounds (VOCs)	0.7	0.8		S					CT
Dow Chemical Canada ULC	Varenes Facility Total		1295.9	1475.8							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Dow Chemical Canada ULC	WCO Cogen Unit	Carbon dioxide (CO2)	410451.0	410500.0				CC		CT	
		Carbon monoxide	290.4	290.0							
		Hydrogen	0.5	0.5							
		Methane	25.8	25.8				CC		CT	
		Nitrous oxide	6.9	6.1				CC		CT	
		NOx (oxides of nitrogen)	218.4	220.0	S					CT	
		PM10 - Particulate Matter <= 10 Microns	7.7	7.7	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	6.6	6.6	S						
		Sulphur dioxide	2.7	2.8	3	S				CT	
		TPM - Total Particulate Matter	7.7	7.7	S						
		VOC Other	18.7	18.7	S						
Dow Chemical Canada ULC	WCO Cogen Unit Total		411036.3	411085.8							
Dow Chemical Canada ULC	Western Canada Operations	1,2-Dichloroethane (Ethylene dichloride)	0.0	0.0	2B	S				CT	
		1,3-Butadiene	0.4	0.3	1	S				CT	
		1,4-Pentadiene	0.0	0.0		S					
		1-Decene	0.0	0.0		S					
		1-Hexene	6.7	6.7		S					
		1-Pentene	0.0	0.0		S					
		Acenaphthene	0.0	0.0	3	S			P	CT	
		Acenaphthylene	0.0	0.0		S			P	CT	
		Acetylene	0.0	0.0		S				CT	
		Aluminum (and compounds)	0.0	0.0							
		Ammonia (Total)	0.0	0.0		S				CT	
		Anthracene	0.0	0.0	3	S			P	CT	
		Benzene	0.1	0.1	1	S				CT	
		Boron	0.0	0.0							
		Butene	0.0	0.1		S				CT	
		Carbon dioxide (CO2)	888487.0	989500.0				CC		CT	
		Carbon monoxide	870.8	910.0							
		Carbonyl sulfide	0.0	0.0							
		Chromium (and compounds)	0.0	0.0							



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
Dow Chemical Canada ULC	Western Canada Operations	Copper (and compounds)	0.0	0.0							
		Cyclopentadiene	0.0	0.1		S					
		Cyclopentene	0.0	0.0		S					
		Decane	0.0	0.0		S					
		Dicyclopentadiene	0.1	0.1		S				CT	
		Diethanolamine (and salts)	0.0	0.0	2B	S					
		Dimethyl disulphide	0.0	0.0		S					
		Diphenyl oxide	0.0	0.0		S					
		Ethane	39.4	35.0							
		Ethylene	47.2	30.0	3	S				CT	
		Ethylene glycol	0.0	0.0		S				CT	
		Fluoranthene	0.0	0.0	3	S			P	CT	
		Fluorene	0.0	0.0	3	S			P	CT	
		Hydrochloric acid (Hydrogen chloride)	0.5	0.5	3						
		Hydrofluorocarbon 134a	2.2	2.0				CC		CT	
		Hydrogen	5.8	5.9							
		Hydrogen sulphide	0.1	0.1							
		Indene	0.0	0.0		S					
		Iron (and compounds)	0.0	0.0							
		Isobutane	0.8	0.8		S					CM
		Isopentane	2.4	2.0		S					
		Methane	63.5	56.2				CC		CT	
		Methanol	0.1	0.1		S				CT	
Methyl acetylene	0.0	0.0		S							
Methyl diethanolamine	0.0	0.0		S							
Methyl ethanolamine	0.0	0.0		S							
Naphthalene	0.0	0.0	2B	S				P	CT	CM	
n-Butane	13.6	7.0		S					CM		
Neopentane	0.2	0.2		S							
n-Heptane	21.4	21.0		S							
n-Hexane	0.2	0.2		S				CT	CM		



All Substances Emissions for 2012 and Projections for 2015
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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Dow Chemical Canada ULC	Western Canada Operations	Nickel (and compounds)	0.0	0.0	1						CM
		Nitrous oxide	8.0	13.0				CC		CT	
		n-Octane	3.3	3.7		S				CT	
		NOx (oxides of nitrogen)	921.8	1180.0		S				CT	
		n-Pentane	0.0	0.0		S					
		n-Propanol (n-Propyl alcohol)	0.1	0.1		S					
		n-Propyl acetate	0.0	0.0		S					
		Octene (NOS)	24.7	26.0		S					
		PM10 - Particulate Matter <= 10 Microns	25.0	29.3		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	16.0	17.4		S					
		Propadiene	0.0	0.0		S					
		Propane	19.6	15.0		S				CT	
		Propylene (propene)	2.3	0.4	3	S				CT	
		Pyrene	0.0	0.0	3	S			P	CT	
		Styrene	0.0	0.0	2B	S				CT	
		Sulphur dioxide	22.3	40.0	3	S				CT	
		Toluene	0.0	0.0	3	S				CT	
		TPM - Total Particulate Matter	25.0	29.3		S					
		Triethylene glycol	0.0	0.0		S					
		Vanadium (except in alloy) and compounds	0.0	0.0							
		VOC Other	46.5	51.3		S					
		Volatile Organic Compounds (VOCs)	118.0	120.0		S				CT	
		Xylene (mixed isomers)	0.0	0.0	3	S				CT	
		Zinc (and compounds)	0.0	0.0							CM
Dow Chemical Canada ULC	Western Canada Operations Total		890794.9	992103.8							
Dow Chemical Canada ULC Total			1324930.1	1426956.8							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
E.I du Pont Canada Company	Thetford Mines site	Carbon dioxide (CO2)	297.3	269.0				CC		CT		
		Carbon monoxide	0.1	0.1								
		Methane	0.0	0.0				CC		CT		
		NOx (oxides of nitrogen)	0.5	0.5	S					CT		
		PM10 - Particulate Matter <= 10 Microns	0.4	0.6	S					CT		
		PM2.5 - Particulate Matter <=2.5 Microns	0.1	0.2	S							
		Styrene	27.4	46.1	2B	S				CT		
		Sulphur dioxide	0.4	0.4	3	S				CT		
		TPM - Total Particulate Matter	0.4	0.7	S							
		Volatile Organic Compounds (VOCs)	27.4	46.2	S					CT		
E.I du Pont Canada Company	Thetford Mines site Total		353.9	363.8								
E.I du Pont Canada Company	Kingston Site	1,3-Butadiene	0.0	0.0	1	S				CT		
		1,6-Hexamethylenediamine	0.0	0.0								
		1-Octene	0.0	0.0	S							
		Acetone	0.7	0.6								
		Activated carbon	0.0	0.0								
		Benzene	0.0	0.0	1	S					CT	
		Caprolactam	0.7	0.7	3	S						
		Carbon dioxide (CO2)	1290.9	1300.0				CC		CT		
		Carbon monoxide	0.9	1.0								
		Copper (and compounds)	0.0	0.0								
		Cresol (mixed isomers and salts)	0.0	0.0	S						CT	
		Cyclohexane	0.1	0.1	S						CT	
		Formaldehyde	0.0	0.0	1	S					CT	
		Furfural	0.0	0.0	3							CM
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC		CT		
		Isopropyl alcohol (Isopropanol)	0.4	0.4	3	S					CT	
		Methanol	0.5	0.5	S						CT	
		n-Butane	0.1	0.1	S							CM
		n-Butyl alcohol	0.4	0.4	S						CT	
		n-Hexane	0.0	0.0	S						CT	CM
Nitrous oxide	0.0	0.0				CC		CT				
n-Pentane	0.0	0.0	S									
		PM10 - Particulate Matter <= 10 Microns	0.3	0.3	S					CT		



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
E.I du Pont Canada Company	Kingston Site	PM2.5 - Particulate Matter <=2.5 Microns	0.3	0.3		S					
		Propane	0.1	0.1		S				CT	
		Propylene (propene)	0.6	0.6	3	S				CT	
		Sulphur dioxide	0.0	0.0	3	S				CT	
		Toluene	0.6	0.6	3	S				CT	
		TPM - Total Particulate Matter	0.5	0.5		S					
		Volatile Organic Compounds (VOCs)	4.0	4.0		S				CT	
		Kingston Site Total		1301.2	1310.1						
E.I du Pont Canada Company	Maitland Site	Activated carbon	0.0	0.0							
		Caprolactam	0.1	0.0	3	S					
		Carbon black	0.0	0.0	2B						CM
		Carbonic acid disodium salt	60.0	50.0							
		HCFC-123 (and all isomers)	8.3	8.0			O			CT	
		HCFC-124 (and all isomers)	0.3	0.2			O			CT	
		Hydrochloric acid (Hydrogen chloride)	1.6	2.0	3						
		Hydrogen fluoride	0.0	0.0						CT	
		Sodium fluoride	27.0	29.0						CT	
Maitland Site Total		97.4	89.4								
E.I du Pont Canada Company	St. Clair River Site - Modified Polymers	Maleic anhydride	0.1	0.1		S				CT	
		Methyl acrylate	0.0	0.0	3	S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.4	0.4		S					
		Polyethylene	0.1	0.1	3						
St. Clair River Site - Modified Polymers Total		0.6	0.6								
E.I du Pont Canada Company Total			1789.1	1800.0							



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
ERCO Worldwide	Broadway Avenue Plant	Chlorine	0.1	0.2							
		Chlorine dioxide	0.0	0.0							
		Hydrogen peroxide	0.0	0.0	3						
		Sodium chlorate	0.0	0.0							
		Sodium hydroxide	0.0	0.0							
		Sulphuric acid	0.0	0.0	1						
ERCO Worldwide	Broadway Avenue Plant Total		0.1	0.2							
ERCO Worldwide	Buckingham plant	Carbon dioxide (CO2)	808.0	800.0				CC		CT	
		Chlorine	0.7	0.7							
		Chlorine dioxide	0.0	0.0							
		Hexavalent chromium compounds	0.0	0.0							CT
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Methane	0.0	0.0				CC		CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	15.7	15.7	S					CT	
		PM10 - Particulate Matter <= 10 Microns	2.4	2.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.5	2.0	S						
		Sodium chlorate	4.0	5.0							
ERCO Worldwide	Buckingham plant Total		832.3	825.5							
ERCO Worldwide	Grande Prairie Plant	Carbon dioxide (CO2)	652.7	400.0				CC		CT	
		Chlorine	0.2	0.2							
		Hexavalent chromium compounds	0.0	0.0							CT
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Methane	0.0	0.0				CC		CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	0.7	0.6	S					CT	
		PM10 - Particulate Matter <= 10 Microns	2.2	2.2	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.4	0.5	S						
Sodium chlorate	0.4	0.6									
ERCO Worldwide	Grande Prairie Plant Total		656.7	404.1							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
ERCO Worldwide	Hargrave Plant	Carbon dioxide (CO2)	2799.0	2800.0				CC		CT	
		Chlorine	0.3	0.3							
		Hexavalent chromium compounds	0.0	0.0						CT	
		Hydrochloric acid (Hydrogen chloride)	0.1	0.1	3						
		Methane	0.0	0.0				CC		CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		NOx (oxides of nitrogen)	1.2	1.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	1.2	1.4		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.5	0.6		S					
		Sodium chlorate	1.1	1.1							
ERCO Worldwide	Hargrave Plant Total		2803.4	2804.5							
ERCO Worldwide	North Vancouver Plant	Chlorine	0.0	0.1							
		Hexavalent chromium compounds	0.0	0.0					CT		
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		PM10 - Particulate Matter <= 10 Microns	1.1	1.2		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.9	0.9		S					
		Sodium chlorate	1.8	1.8							
ERCO Worldwide	North Vancouver Plant Total		3.9	4.0							
ERCO Worldwide	Saskatoon Plant	Carbon dioxide (CO2)	15631.0	20000.0				CC		CT	
		Chlorine	0.1	0.2							
		Hexavalent chromium compounds	0.0	0.0						CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Methane	0.3	0.4				CC		CT	
		Nitrous oxide	0.8	0.9				CC		CT	
		NOx (oxides of nitrogen)	14.1	18.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	2.6	3.0		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.0	1.0		S					
		Sodium chlorate	2.1	1.8							
		Sulphuric acid	4.5	0.0	1						
ERCO Worldwide	Saskatoon Plant Total		15656.5	20025.3							
ERCO Worldwide Total			19952.9	24063.5							



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			Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
Company Name	Facility Name	Substance	2012	2015								
Ethyl Canada Inc.	Corunna Site	1,2,4-Trimethylbenzene	0.1	0.1	S					CT		
		2-Ethylhexanol	0.0	0.0	S							
		Carbon dioxide (CO2)	94.5	94.5				CC		CT		
		Cumene (isopropylbenzene)	0.0	0.0	S					CT		
		Ethane	0.0	0.0								
		GE - Dipropylene glycol methyl ether (DPGME)	0.0	0.0	S							
		Kerosene	0.0	0.0	S							
		Methane	0.0	0.0				CC		CT		
		Naphthalene	0.0	0.0	2B	S				P	CT	CM
		n-Butane	0.0	0.0	S						CM	
		Nitric acid	0.0	0.0								
		Nitrous oxide	0.0	0.0				CC		CT		
		n-Pentane	0.0	0.0	S							
		n-Propylbenzene	0.1	0.0	S							
		Sodium hydroxide	0.0	0.0								
		Sodium nitrate	0.0	0.0								
		Sulphuric acid	0.0	0.0	1							
White mineral oil	0.0	0.0	S						CT			
Xylene (mixed isomers)	0.1	0.0	3	S					CT			
Zinc (and compounds)	0.0	0.0								CM		
Ethyl Canada Inc. Total			94.7	94.6								
Evonik Canada Inc.	Gibbons Site	Ammonia (Total)	2.6	2.6	S					CT		
		Carbon dioxide (CO2)	36023.0	40000.0				CC		CT		
		Carbon monoxide	13.3	13.0								
		NOx (oxides of nitrogen)	15.9	16.0	S					CT		
		PM10 - Particulate Matter <= 10 Microns	0.9	0.9	S					CT		
		PM2.5 - Particulate Matter <=2.5 Microns	0.3	0.3	S							
		Sulphur dioxide	0.1	0.1	3	S					CT	
Volatile Organic Compounds (VOCs)	0.9	0.9	S						CT			
Evonik Canada Inc. Total			36057.1	40033.8								



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Evonik Oil Additives Canada Inc.	Morrisburg Plant	Carbon dioxide (CO2)	3169.4	2950.0				CC		CT	
		Carbon monoxide	2.2	2.1							
		Hydrotreated light distillate	0.0	0.0		S				CT	
		Methane	0.1	0.1				CC		CT	
		Methyl methacrylate	0.2	0.3	3	S				CT	
		NOx (oxides of nitrogen)	1.3	1.2		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.2	0.2		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.2	0.2		S					
		Sulphur dioxide	0.0	0.0	3	S				CT	
		Toluene	0.2	0.1	3	S				CT	
		TPM - Total Particulate Matter	0.2	0.2		S					
		Volatile Organic Compounds (VOCs)	0.5	0.5		S				CT	
		Evonik Oil Additives Canada Inc. Total			3174.6	2954.8					
FMC of Canada Ltd	Prince George site	Activated carbon	0.0	0.0							
		Alumina hydrate	0.0	0.0							
		Carbon dioxide (CO2)	37884.0	35000.0				CC		CT	
		Carbon monoxide	20.3	40.0							
		Heavy aromatic solvent naphtha	26.6	20.0		S				CT	
		Hydrogen	23.6	30.0							
		Hydrogen peroxide	3.1	5.0	3						
		Methane	6.8	30.0				CC		CT	
		Methanol	0.3	1.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	0.6	0.5		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.9	1.0		S					
Volatile Organic Compounds (VOCs)	24.9	40.0		S				CT			
FMC of Canada Ltd Total			37991.9	35167.5							



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
H.L. Blachford Ltd.	Mississauga site	Calcium carbonate	0.0	0.0							
		Calcium hydroxide (Lime)	0.1	0.1							
		Calcium oxide	0.1	0.1							
		Carbon dioxide (CO2)	2200.0	2200.0				CC		CT	
		Diethanolamine (and salts)	0.2	0.2	2B	S					
		MSG#2 - Hydrotreated heavy naphthenic dist	0.1	0.1		S					
		n,n-Ethylene-bis-stearamide	0.0	0.0		S					
		Octylphenol and its ethoxylates	0.1	0.1						CT	
		Potassium hydroxide	0.0	0.0							
		Zinc (and compounds)	0.3	0.3							CM
H.L. Blachford Ltd. Total			2201.1	2200.9							
Honeywell ASCa Inc.	Amherstburg Plant	Arsenic (and compounds)	0.1	0.1							
		Calcium fluoride	1.1	1.1						CT	
		Calcium oxide	0.0	0.0							
		Carbon dioxide (CO2)	6860.0	6.8				CC		CT	
Honeywell ASCa Inc.	Amherstburg Plant	Hydrofluorocarbon 134a	2.1	0.7				CC		CT	
		Hydrogen fluoride	0.1	0.1						CT	
		Hydrogen peroxide	0.0	0.0	3						
		Methane	0.1	0.2				CC		CT	
		Natural gasoline	0.0	0.0	2B						
		Nitrous oxide	0.1	0.2				CC		CT	
		PM10 - Particulate Matter <= 10 Microns	1.3	1.3		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	1.3	1.3		S					
Sulphuric acid	0.4	0.4	1								
Honeywell ASCa Inc. Total			6866.6	12.2							



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			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)		
			2012	2015									
Imperial Oil, Products & Chemicals Division	Sarnia Chemical Plant	1,2,4-Trimethylbenzene	4.1	4.1		S					CT		
		1,3-Butadiene	0.1	0.1	1	S					CT		
		1-Butene	3.2	3.2		S							
		1-Hexene	0.1	0.1		S							
		1-Octene	0.0	0.0		S							
		7H-dibenzo(c,g)carbazole	0.0	0.0	2B	S				P		CT	
		Acenaphthene	0.0	0.0	3	S				P		CT	
		Acenaphthylene	0.0	0.0		S				P		CT	
		Ammonia (Total)	0.0	0.0		S						CT	
		Asbestos (friable)	0.0	0.0	3							CT	
		Benzene	4.3	4.3	1	S						CT	
		Benzo(a)anthracene	0.0	0.0	2A	S				P		CT	
		Benzo(a)phenanthrene	0.0	0.0	2B					P		CT	
		Benzo(a)pyrene	0.0	0.0	1	S				P		CT	
		Benzo(b)fluoranthene	0.0	0.0	2B	S				P		CT	
		Benzo(e)pyrene	0.0	0.0	3	S				P		CT	
		Benzo(g,h,i)perylene	0.0	0.0	3	S				P		CT	
		Benzo(j)fluoranthene	0.0	0.0	2B	S				P		CT	
		Benzo(k)fluoranthene	0.0	0.0	2B	S				P		CT	
		Biphenyl	0.0	0.0		S						CT	
		Cadmium (and compounds)	0.0	0.0	1								
		Carbon dioxide (CO2)	269270.7	269270.7					CC			CT	
		Carbon monoxide	373.2	373.2									
		Cresol (mixed isomers and salts)	0.0	0.0		S						CT	
		Cyclohexane	1.8	1.8		S						CT	
		Cyclopentane	11.0	11.0		S							
		Dibenz(a,j)acridine	0.0	0.0	2A	S				P		CT	
		Dibenzo(a,h)anthracene	0.0	0.0	2A	S				P		CT	
		Dibenzo(a,i)pyrene	0.0	0.0	2B	S				P		CT	
		Dicyclopentadiene	0.9	0.9		S						CT	
Ethane	11.7	11.7											
Ethylbenzene	1.5	1.5	2B	S						CT			
Ethylene	65.6	65.6	3	S						CT			

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			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)		
			2012	2015									
Imperial Oil, Products & Chemicals Division	Sarnia Chemical Plant	Ethylene glycol	0.0	0.0		S					CT		
		Fluoranthene	0.0	0.0	3	S			P		CT		
		Fluorene	0.0	0.0	3	S				P		CT	
		Heavy aromatic solvent naphtha	4.0	4.0		S						CT	
		Hydrogen cyanide	0.0	0.0									
		Hydrogen sulphide	0.5	0.5									
		Hydrotreated light distillate	3.3	3.3		S						CT	
		Indeno(1,2,3-c,d)pyrene	0.0	0.0	2B	S				P		CT	
		Iso-octane	0.0	0.0		S							
		Isopentane	3.3	3.3		S							
		Isoprene	0.0	0.0	2B	S						CT	CM
		Lead (and compounds)	0.0	0.0	2A							CT	
		Light aromatic solvent naphtha	0.3	0.3		S						CT	
		Mercury (and compounds)	0.0	0.0								CT	
		Methane	28.4	28.4					CC			CT	
		Methanol	0.3	0.3		S						CT	
		Molybdenum trioxide	0.0	0.0									
		Monoethanolamine	0.0	0.0		S							
		Naphthalene	0.2	0.2	2B	S					P	CT	CM
		n-Butane	0.6	0.6		S							CM
		n-Heptane	0.8	0.8		S							
		n-Hexane	7.7	7.7		S						CT	CM
		Nickel (and compounds)	0.0	0.0	1								CM
		Nitrate ion (in solution at pH >=6.0)	2.0	2.0									
		Nitrous oxide	5.2	5.2					CC			CT	
		n-Octane	0.0	0.0		S						CT	
		NOx (oxides of nitrogen)	473.8	473.8		S						CT	
n-Pentane	0.8	0.8		S									
Perylene	0.0	0.0	3	S					P	CT			
Phenanthrene	0.0	0.0	3	S					P	CT			
Phenol (and salts)	0.0	0.0	3	S						CT			
PM10 - Particulate Matter <= 10 Microns	11.8	11.8		S						CT			
PM2.5 - Particulate Matter <=2.5 Microns	8.3	8.3		S									



All Substances Emissions for 2012 and Projections for 2015
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			Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
Company Name	Facility Name	Substance	2012	2015								
Imperial Oil, Products & Chemicals Division	Sarnia Chemical Plant	Propane	28.5	28.5		S					CT	
		Propylene (propene)	18.3	18.3	3	S					CT	
		Pyrene	0.0	0.0	3	S				P	CT	
		Selenium (and compounds)	0.0	0.0								
		Solvent naphtha light aliphatic	65.7	65.7		S					CT	
		Sulphur dioxide	89.2	89.2	3	S					CT	
		Sulphuric acid	2.2	2.2	1							
		Tetrahydrofuran	2.6	2.6		S					CT	
		Toluene	3.5	3.5	3	S					CT	
		Total Reduced Sulphur (TRS)	1.6	1.6								
		TPM - Total Particulate Matter	17.1	17.1		S						
		Vanadium (except in alloy) and compounds	0.0	0.0								
		Volatile Organic Compounds (VOCs)	324.0	324.0		S					CT	
		Xylene (mixed isomers)	5.1	5.1	3	S					CT	
Zinc (and compounds)	0.3	0.1								CM		
Imperial Oil, Products & Chemicals Division Total	Sarnia Chemical Plant		270857.8	270857.6								



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
INEOS Canada Partnership	Joffre LAO Plant	1-Butene	3.1	3.0	S						
		1-Decene	1.3	1.5	S						
		1-Hexene	6.2	6.0	S						
		1-Octene	4.3	4.0	S						
		Biphenyl	0.0	0.0	S						CT
		Butene	3.5	3.5	S						CT
		Carbon dioxide (CO2)	143271.3	142000.0				CC			CT
		Carbon monoxide	258.8	258.0							
		Diphenyl oxide	0.0	0.0	S						
		Ethylene	28.1	28.0	3	S					CT
		Hexene	6.3	6.0							CT
		Methane	4.2	4.0				CC			CT
		Nitrous oxide	3.5	3.4				CC			CT
		NOx (oxides of nitrogen)	44.6	42.0	S						CT
		Octene (NOS)	4.3	4.0	S						
		PM10 - Particulate Matter <= 10 Microns	3.2	3.5	S						CT
		PM2.5 - Particulate Matter <=2.5 Microns	2.7	2.5	S						
		Propane	1.6	1.5	S						CT
		Sulphuric acid	0.0	0.0	1						
		Triethylaluminum	0.1	0.1	S						
Volatile Organic Compounds (VOCs)	92.0	55.0	S						CT		
INEOS Canada Partnership Total			143739.3	142426.0							
Jungbunzlauer Canada Inc.	Port Colborne site	Ammonia (Total)	6.3	6.5	S					CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Nitrate ion (in solution at pH >=6.0)	140.8	147.8							
		NOx (oxides of nitrogen)	59.6	62.6	S					CT	
		Phosphorus (total)	1.1	1.2							
		PM10 - Particulate Matter <= 10 Microns	17.4	18.3	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	17.4	18.3	S						
Jungbunzlauer Canada Inc.	Port Colborne site	Sulphuric acid	0.0	0.0	1						
Jungbunzlauer Canada Inc. Total			242.6	254.5							



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
KRONOS Canada, Inc.	Varenes site	Aluminum (and compounds)	2.6	4.5							
		Aluminum (fume or dust)	0.0	0.0							
		Arsenic (and compounds)	0.0	0.0							
		Cadmium (and compounds)	0.0	0.0	1						
		Calcium carbonate	7.2	8.0							
		Carbon dioxide (CO2)	173792.0	200000.0				CC		CT	
		Carbon monoxide	65.6	100.0							
		Chlorine	0.0	0.0							
		Chromium (and compounds)	0.0	0.0							
		Diatomaceous earth	0.0	0.0							
		Dibenzo-p-dioxins and dibenzofurans, polych	0.3	0.3							CT
		Hexachlorobenzene	0.0	0.0	2B						CT
		Hydrochloric acid (Hydrogen chloride)	8.4	10.0	3						
		Hydrochlorodifluoromethane (HCFC-22)	0.4	0.0	3		O	CC			CT
		Lead (and compounds)	0.0	0.0	2A						CT
		Manganese (and compounds)	12.9	15.0							
		Methane	1.8	2.2				CC			CT
		Nitrous oxide	1.5	1.8				CC			CT
		NOx (oxides of nitrogen)	93.7	135.0			S				CT
		PM10 - Particulate Matter <= 10 Microns	63.9	70.0			S				CT
		PM2.5 - Particulate Matter <=2.5 Microns	63.9	70.0			S				
		Potassium hydroxide	0.0	0.0							
		Selenium (and compounds)	0.0	0.0							
Sodium chlorate	0.0	0.0									
Sodium hydroxide	0.0	0.0									
Sulphur dioxide	1173.0	1400.0	3		S				CT		
Sulphuric acid	27.7	32.0	1								
Titanium tetrachloride	0.0	0.0									
Toluene	0.0	0.1	3		S				CT		
Total Reduced Sulphur (TRS)	1.0	1.3									
TPM - Total Particulate Matter	63.9	70.0			S						
KRONOS Canada, Inc. Total			175379.9	201920.2							



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual 2012	Projected 2015	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
LANXESS Inc.	LANXESS EAST	2-Methylpropene (Isobutylene)	86.7	75.0	S							
		Aluminum (and compounds)	0.0	0.0								
		Bromine	0.0	0.0								
		Butene	86.7	55.0	S					CT		
		Chlorine	0.0	0.0								
		Chloromethane (Methyl chloride)	342.1	250.0	3	S					CT	CM
		Diisobutylene	0.0	0.0		S					CT	
		Ethylene	13.9	10.0	3	S					CT	
		Hexane (all isomers excluding n-hexane)	418.9	500.0							CT	CM
		Hydrochloric acid (Hydrogen chloride)	150.6	200.0	3							
		Isoprene	17.3	5.0	2B	S					CT	CM
		Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S					CT	
		Methane	5.4	5.0				CC			CT	
		Methanol	25.1	25.0		S					CT	
		n-Hexane	579.1	700.0		S					CT	CM
		PM10 - Particulate Matter <= 10 Microns	15.2	15.0		S					CT	
		Propane	12.1	10.0		S					CT	
tert-Butyl alcohol	3.1	3.5		S					CT			
		Volatile Organic Compounds (VOCs)	1498.3	1600.0	S					CT		
LANXESS Inc.	LANXESS EAST Total		3254.5	3453.5								



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

			Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
Company Name	Facility Name	Substance	2012	2015								
LANXESS Inc.	LANXESS WEST	1,2-Butadiene	1.6	2.0		S						
		1,3-Butadiene	9.6	7.0	1	S				CT		
		2-Methylpropene (Isobutylene)	19.3	18.0		S						
		Acetonitrile	7.1	7.0		S				CT		
		Asbestos (friable)	0.0	0.0	3					CT		
		Butane (all isomers)	3.7	4.0						CT	CM	
		Butene	17.4	16.0		S				CT		
		Diisobutylene	0.2	0.2		S				CT		
		Methane	3.6	2.5				CC		CT		
		Methanol	3.5	4.0		S				CT		
		LANXESS Inc.	LANXESS WEST	Sulphuric acid	0.0	0.0	1					
				tert-Butyl alcohol	24.1	24.0		S			CT	
				Volatile Organic Compounds (VOCs)	87.9	85.0		S			CT	
LANXESS Inc.	LANXESS WEST Total		178.1	169.7								
LANXESS Inc. Total			3432.6	3623.2								

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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
MEGlobal Canada Inc.	Fort Saskatchewan EOEG	1,4-Dioxane	4.0	5.0	2B	S				CT	CM
		Acetaldehyde	0.0	0.0	2B	S				CT	
		Acetic acid/glacial acetic acid	0.1	0.1		S					
		Ammonia (Total)	0.9	0.9		S				CT	
		Cadmium (and compounds)	0.0	0.0	1						
		Carbon dioxide (CO2)	37891.1	60000.0				CC		CT	
		Chloroethane (Ethyl chloride)	0.1	1.0	3	S				CT	
		Chloromethyl-1,3-dioxolane	0.6	0.7		S					
		Chromium (and compounds)	0.0	0.0							
		Cobalt (and compounds)	0.0	0.0	2B						CM
		Copper (and compounds)	0.0	0.0							
		Diethylene glycol	0.0	0.0		S					
		Ethane	0.3	0.3							
		Ethyl alcohol	0.2	0.2	1	S					CT
		Ethylene	62.5	60.0	3	S					CT
		Ethylene glycol	0.2	0.2		S					CT
		Ethylene oxide	0.4	0.4	1	S					CT
		Formaldehyde	0.0	0.0	1	S					CT
		Formic acid	0.1	0.1		S					CT
		Methane	219.8	250.0				CC		CT	
		Nickel (and compounds)	0.0	0.0	1						CM
		Nitrous oxide	0.0	0.0				CC		CT	
		PM10 - Particulate Matter <= 10 Microns	7.5	7.0		S					CT
Propane	0.0	0.0		S					CT		
Silver (and compounds)	0.0	0.0									
Sodium hydroxide	0.1	0.1									
Titanium (and its compounds)	0.0	0.0									
TPM - Total Particulate Matter	7.5	6.9		S							
Triethylene glycol	0.0	0.0		S							
Vanadium (except in alloy) and compounds	0.0	0.0									
Volatile Organic Compounds (VOCs)	63.3	50.0		S					CT		
Zinc (and compounds)	0.0	0.0							CM		
MEGlobal Canada Inc.	Fort Saskatchewan EOEG	Total	38258.7	60382.9							



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

			Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
Company Name	Facility Name	Substance	2012	2015								
MEGlobal Canada Inc.	Prentiss Chemical Manufacturing Facility	1,2-Dichloroethane (Ethylene dichloride)	0.0	0.1	2B	S					CT	
		1,4-Dioxane	0.8	1.0	2B	S					CT	CM
		Acetaldehyde	0.4	0.4	2B	S					CT	
		Ammonia (Total)	0.7	0.8		S					CT	
		Carbon dioxide (CO2)	153205.9	153000.0				CC			CT	
		Carbon monoxide	102.6	100.0								
		Diethylene glycol	1.5	0.8		S						
		Ethane	0.0	0.0								
		Ethylene	15.7	23.0	3	S					CT	
		Ethylene glycol	19.4	20.0		S					CT	
		Ethylene oxide	0.4	0.5	1	S					CT	
		Formaldehyde	0.1	0.1	1	S					CT	
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC			CT	
		Methane	22.3	25.0				CC			CT	
		Nitrous oxide	0.8	0.7				CC			CT	
		NOx (oxides of nitrogen)	136.8	140.0		S					CT	
		PM10 - Particulate Matter <= 10 Microns	28.3	30.0		S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	2.2	2.0		S						
		Silver (and compounds)	0.0	0.0								
		Sulphur dioxide	0.4	0.4	3	S					CT	
TPM - Total Particulate Matter	28.3	30.0		S								
VOC Other	21.5	22.0		S								
		Volatile Organic Compounds (VOCs)	59.1	60.0		S				CT		
MEGlobal Canada Inc.	Prentiss Chemical Manufacturing Facility	Total	153647.5	153456.7								
MEGlobal Canada Inc. Total			191906.3	213839.6								



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Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
Methanex Corporation	Methanex Medicine Hat Methanol Plant	Carbon dioxide (CO2)	286256.0	286256.0				CC		CT		
		Carbon monoxide	222.8	222.8								
		Ethylene glycol	0.0	0.0	S					CT		
		Methane	84.3	84.3				CC		CT		
		Methanol	52.8	52.8	S					CT		
		Methyl formate	14.5	14.5	S							
		NOx (oxides of nitrogen)	1440.7	1440.7	S					CT		
		PM10 - Particulate Matter <= 10 Microns	18.9	18.9	S					CT		
		PM2.5 - Particulate Matter <=2.5 Microns	1.8	1.8	S							
		Sodium hydroxide	0.0	0.0								
		Sulphuric acid	0.0	0.0	1							
		TPM - Total Particulate Matter	168.8	168.8	S							
		Volatile Organic Compounds (VOCs)	95.1	95.1	S					CT		
		Methanex Corporation Total			288355.7	288355.7						
		NALCO Canada Co. (An Ecolab co)	Burlington	Acrylamide	0.0	0.0	2A	S				CT
Aluminum (and compounds)	0.0			0.0								
Ammonium sulfate (solution)	0.0			0.0								
Cyclohexylamine	0.0			0.0	S							
GE - Dipropylene glycol methyl ether (DPGME)	0.0			0.0	S							
Glycerol	0.0			0.0	S							
Hydrotreated middle distillate	0.0			0.0	S							
Isopropyl alcohol (Isopropanol)	0.0			0.0	3	S				CT		
Monoethanolamine	0.0			0.0	S							
Morpholine	0.0			0.0	S							
MSG#2 - Hydrotreated heavy naphthenic distillate	0.0			0.0	S							
MSG#3 - Hydrotreated light naphthenic distillate	0.0			0.0	S							
Nonylphenol and its ethoxylates	0.0			0.0						CT		
Phosphorus (total)	0.0			0.0								
Potassium hydroxide	0.0			0.0								
Propylene glycol	0.0			0.0	S							
Sodium hydroxide	0.0			0.0								



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual 2012	Projected 2015	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
NALCO Canada Co. (An Ecolab co)	Burlington	Sodium nitrite	0.0	0.0							
		Sulphuric acid	0.0	0.0	1						
		Urea	0.0	0.0							
		White mineral oil	0.0	0.0		S				CT	
NALCO Canada Co. (An Ecolab co)	Burlington Total		0.1	0.1							
NALCO Canada Co. (An Ecolab co)	Nisku Blend Plant	1,2,4-Trimethylbenzene	0.0	0.0		S				CT	
		2-Butoxyethanol	0.0	0.0	3	S				CT	
		2-Mercaptoethanol	0.0	0.0							
		Aluminum (and compounds)	0.0	0.0							
		Ammonia (Total)	0.0	0.0		S				CT	
		Ethylbenzene	0.0	0.0	2B	S				CT	
		Ethylene glycol	0.0	0.0		S				CT	
		Glycerol	0.0	0.0		S					
		Heavy aromatic naphtha	0.1	0.1		S					
		Isopropyl alcohol (Isopropanol)	0.1	0.1	3	S				CT	
		Kerosene	0.0	0.0		S					
		Methanol	1.1	0.8		S				CT	
		Monoethanolamine	0.0	0.0		S					
		MSG#3 - Solvent refined heavy paraffinic dist	0.0	0.0		S					
Naphthalene	0.0	0.0	2B	S				P	CT	CM	
Nonylphenol and its ethoxylates	0.0	0.0							CT		
Potassium hydroxide	0.0	0.0									
Sodium hydroxide	0.0	0.0									
Xylene (mixed isomers)	0.2	0.2	3	S					CT		
NALCO Canada Co. (An Ecolab co)	Nisku Blend Plant Total		1.5	1.1							
NALCO Canada Co. (An Ecolab company) Total			1.6	1.2							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
National Silicates Partnership	Parkville	Carbon dioxide (CO2)	137.3	138.0				CC		CT	
		Carbon monoxide	0.1	0.1							
		NOx (oxides of nitrogen)	0.1	0.1	S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.0	0.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0	S						
		Sulphur dioxide	0.0	0.0	3	S					CT
		TPM - Total Particulate Matter	0.0	0.0	S						
		Volatile Organic Compounds (VOCs)	0.0	0.0	S						CT
National Silicates Partnership	Parkville Total		137.6	138.2							
National Silicates Partnership	Surrey	Carbon dioxide (CO2)	937.5	1000.0				CC		CT	
		Carbon monoxide	0.7	0.7							
		NOx (oxides of nitrogen)	0.8	0.8	S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.0	0.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.0	S						
		Sulphur dioxide	0.0	0.0	3	S					CT
		Sulphuric acid	0.0	0.0	1						
		TPM - Total Particulate Matter	0.0	0.0	S						
	Surrey Total		939.1	1001.7							
National Silicates Partnership	Toronto	Carbon dioxide (CO2)	4819.8	6000.0				CC		CT	
		Carbon monoxide	2.9	3.5							
		NOx (oxides of nitrogen)	3.1	3.5	S					CT	
		PM10 - Particulate Matter <= 10 Microns	3.5	7.0	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	3.5	7.0	S						
		Sulphur dioxide	0.3	0.3	3	S					CT
		TPM - Total Particulate Matter	3.5	5.0	S						
		Volatile Organic Compounds (VOCs)	0.2	0.2	S						CT
National Silicates Partnership	Toronto Total		4836.7	6026.5							



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Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
National Silicates Partnership	Valleyfield	Carbon dioxide (CO2)	21755.9	23400.0				CC		CT	
		Carbon monoxide	9.8	10.0							
		Mercury (and compounds)	0.0	0.0						CT	
		NOx (oxides of nitrogen)	11.5	12.5	S					CT	
		PM10 - Particulate Matter <= 10 Microns	38.3	40.8	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	31.1	31.0	S						
		Sulphur dioxide	0.1	0.1	3 S					CT	
		TPM - Total Particulate Matter	46.0	52.0	S						
		Volatile Organic Compounds (VOCs)	0.6	0.7	S					CT	
National Silicates Partnership	Valleyfield Total		21893.3	23547.1							
National Silicates Partnership	Whitecourt	Carbon dioxide (CO2)	1470.6	2000.0				CC		CT	
		Carbon monoxide	1.0	1.2							
		NOx (oxides of nitrogen)	1.2	1.4	S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.1	0.2	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.1	0.2	S						
		Sulphur dioxide	0.0	0.0	3 S					CT	
		TPM - Total Particulate Matter	0.1	0.2	S						
Volatile Organic Compounds (VOCs)	0.1	0.2	S					CT			
National Silicates Partnership	Whitecourt Total		1473.4	2003.2							
National Silicates Partnership Total			29280.1	32716.8							
Nexen Energy ULC	Balzac Gas Plant	Asbestos (friable)	0.0	0.0	3					CT	
		Ethylene glycol	0.0	0.0	S					CT	
		Isobutane	0.0	0.0	S						CM
		Isopentane	0.0	0.0	S						
		n-Butane	0.0	0.0	S						CM
		n-Pentane	0.0	0.0	S						
		Sodium hydroxide	0.0	0.0							
Nexen Energy ULC	Balzac Gas Plant Total		0.0	0.0							
Nexen Energy ULC	Hatton 01-16	Carbon monoxide	28.0	30.0							
		NOx (oxides of nitrogen)	253.2	300.0	S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.4	0.5	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.4	0.5	S						
Nexen Energy ULC	Hatton 01-16 Total		282.0	331.0							



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
Nexen Energy ULC	Hatton East 14-02	Carbon monoxide	29.7	35.0							
		NOx (oxides of nitrogen)	157.1	170.0	S					CT	
		PM10 - Particulate Matter <= 10 Microns	0.3	0.5	S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	0.3	0.5	S						
Nexen Energy ULC	Hatton East 14-02 Total		187.5	206.0							
Nexen Energy ULC	Many Islands 04-16	Carbon monoxide	135.6	150.0							
		NOx (oxides of nitrogen)	84.4	90.0	S					CT	
		Volatile Organic Compounds (VOCs)	41.5	50.0	S					CT	
Nexen Energy ULC	Many Islands 04-16 Total		261.5	290.0							
Nexen Energy ULC Total			731.0	827.0							
NOVA Chemicals Corporation	Corunna Site	1,2,4-Trimethylbenzene	0.5	0.5		S					CT
		1,3-Butadiene	3.7	3.7	1	S					CT
		1-Butene	1.4	1.4		S					
		1-Pentene	22.9	22.9		S					
		2,3 Dimethyl Pentane	3.8	3.9		S					
		Ammonia (Total)	3.2	3.2		S					CT
		Benzene	13.6	13.6	1	S					CT
		Butene	4.7	4.6		S					CT
		Carbon dioxide (CO2)	1399057.0	1399057.0				CC			CT
		Carbon monoxide	178.8	177.6							
		cis-2-Butene	1.9	1.9		S					
		Cyclohexane	1.6	1.7		S					CT
		Cyclopentadiene	0.0	0.0		S					
		Cyclopentane	2.0	2.0		S					
		Cyclopentene	2.8	2.8		S					
		Decane	1.4	1.4		S					
		Dicyclopentadiene	0.1	0.1		S					CT
		Dimethyl disulphide	0.0	0.0		S					
		Ethane	3.7	3.7							
		Ethylbenzene	0.7	0.7	2B	S					CT
		Ethylene	19.1	18.9	3	S					CT
Hydrogen sulphide	0.1	0.1									
Isobutane	3.0	3.0		S						CM	
Isopentane	46.9	46.9		S							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
NOVA Chemicals Corporation	Corunna Site	Isoprene	0.1	0.0	2B	S				CT	CM
		Methane	193.3	193.3				CC		CT	
		Naphthalene	1.4	1.4	2B	S			P	CT	CM
		n-Butane	13.5	13.5		S					CM
		n-Heptane	2.6	2.6		S					
		n-Hexane	8.6	8.6		S				CT	CM
		Nitrate ion (in solution at pH >=6.0)	1.6	1.6							
		Nitrous oxide	12.4	12.4				CC		CT	
		n-Octane	4.5	4.5		S				CT	
		Nonane	0.6	0.6		S					
		NOx (oxides of nitrogen)	2944.0	2851.1		S				CT	
		n-Pentane	46.3	46.3		S					
		PAH's	0.0	0.0						P	CT
		Phenol (and salts)	5.0	5.0	3	S					CT
		PM10 - Particulate Matter <= 10 Microns	143.9	141.9		S					CT
		PM2.5 - Particulate Matter <=2.5 Microns	61.7	59.8		S					
		Propane	16.4	16.3		S					CT
		Propylene (propene)	21.2	24.7	3	S					CT
		Styrene	0.3	0.3	2B	S					CT
		Sulphur dioxide	2213.5	2213.5	3	S					CT
		Sulphuric acid	118.4	118.4	1						
		Toluene	9.1	9.1	3	S					CT
		Total Reduced Sulphur (TRS)	0.1	0.1							
TPM - Total Particulate Matter	153.2	153.2		S							
trans-2-Butene	1.4	1.4		S							
VOC Other	319.0	308.2		S							
Volatile Organic Compounds (VOCs)	406.4	398.7		S					CT		
Xylene (mixed isomers)	2.2	2.2	3	S					CT		
NOVA Chemicals Corporation	Corunna Site Total		1406073.4	1405960.1							



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			Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
Company Name	Facility Name	Substance	2012	2015							
NOVA Chemicals Corporation	Joffre Site; Cogeneration	1,3-Butadiene	0.0	0.0	1	S				CT	
		Arsenic (and compounds)	0.0	0.0							
		Carbon dioxide (CO2)	879363.3	856499.9				CC		CT	
		Carbon monoxide	4819.8	4694.5							
		Chromium (and compounds)	0.0	0.0							
		Ethane	0.2	0.2							
		Methane	8.1	7.8				CC		CT	
		n-Butane	0.0	0.0		S					CM
		Nickel (and compounds)	0.0	0.0	1						CM
		Nitrous oxide	7.7	7.5				CC		CT	
NOVA Chemicals Corporation	Joffre Site; Cogeneration	NOx (oxides of nitrogen)	510.6	497.3		S				CT	
		Phosphorus (total)	0.1	0.1							
		PM10 - Particulate Matter <= 10 Microns	81.8	79.6		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	13.4	13.1		S					
		Propane	0.0	0.0		S				CT	
		Sulphur dioxide	1.3	1.3	3	S				CT	
		TPM - Total Particulate Matter	81.8	79.6		S					
		Volatile Organic Compounds (VOCs)	0.0	0.0		S				CT	
NOVA Chemicals Corporation	Joffre Site; Cogeneration Total	Xylene (mixed isomers)	0.0	0.0	3	S			CT		
		Zinc (and compounds)	0.0	0.0						CM	
			884888.0	861880.9							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
NOVA Chemicals Corporation	NOVA Chemicals Corporation (Joffre)	Benzene	3.3	3.7	1	S					CT	
		Butene	29.8	33.8		S					CT	
		Calcium carbonate	0.0	0.0								
		Calcium hydroxide (Lime)	0.0	0.0								
		Carbon dioxide (CO2)	1877223.2	2130648.3				CC			CT	
		Carbon monoxide	351.7	399.2								
		Chlorine	0.0	0.0								
		Chromium (and compounds)	0.0	0.0								
		Cyclopentadiene	0.4	0.4		S						
		Cyclopentene	0.0	0.0		S						
		Dicyclopentadiene	1.0	1.2		S					CT	
		Diethanolamine (and salts)	0.1	0.1	2B	S						
		Dimethyl disulphide	0.2	0.2		S						
		Ethane	71.3	80.9								
		Ethylbenzene	0.0	0.0	2B	S					CT	
		Ethylene	116.0	131.7	3	S					CT	
		Ethylene glycol	0.0	0.0		S					CT	
		Formaldehyde	0.0	0.0	1	S					CT	
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC			CT	
		Hydrogen sulphide	0.0	0.0								
		Hydrotreated heavy naphtha	0.0	0.0		S					CT	
		Indene	0.0	0.0		S						
		Isobutane	0.1	0.1		S						CM
Isopentane	52.4	59.4		S								
Isoprene	0.0	0.0	2B	S					CT	CM		
Isopropyl alcohol (Isopropanol)	0.0	0.0	3	S					CT			
Mercury (and compounds)	0.0	0.0							CT			
Methane	208.8	236.9					CC		CT			
Methanol	0.8	0.9		S					CT			
Methyl acetylene	0.2	0.2		S								
Naphthalene	0.2	0.0	2B	S				P	CT	CM		
n-Butane	1.5	1.7		S						CM		
n-Hexane	5.1	5.8		S					CT	CM		



All Substances Emissions for 2012 and Projections for 2015
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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
NOVA Chemicals Corporation	NOVA Chemicals Corporation (Joffre)	Nickel (and compounds)	0.0	0.0	1						CM
		Nitrous oxide	33.6	38.2				CC		CT	
		n-Octane	0.0	0.0		S				CT	
		Nonylphenol and its ethoxylates	0.0	0.0						CT	
		NOx (oxides of nitrogen)	2247.4	2550.8		S				CT	
		n-Pentane	0.0	0.0		S					
		n-Propanol (n-Propyl alcohol)	0.1	0.1		S					
		Octene (NOS)	11.6	13.2		S					
		Phosphorus (total)	0.4	0.5							
		PM10 - Particulate Matter <= 10 Microns	739.2	839.0		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	63.0	71.5		S					
		Propadiene	0.1	0.1		S					
		Propane	1.8	2.0		S				CT	
		Propylene (propene)	7.0	8.0	3	S				CT	
		Sodium hydroxide	0.0	0.0							
		Styrene	0.2	0.2	2B	S				CT	
		Sulphur dioxide	4.9	5.5	3	S				CT	
		Sulphuric acid	0.0	0.0	1						
		Tetrahydrofuran	0.3	0.4		S				CT	
		Titanium tetrachloride	0.0	0.0							
		Toluene	0.5	0.5	3	S				CT	
		TPM - Total Particulate Matter	739.4	839.2		S					
		Triethylaluminum	0.0	0.0		S					
		Undecane	0.0	0.0		S					
		Volatile Organic Compounds (VOCs)	253.9	288.1		S				CT	
		Xylene (mixed isomers)	0.3	0.3	3	S				CT	
		Zinc (and compounds)	0.0	0.0							CM
NOVA Chemicals Corporation	NOVA Chemicals Corporation (Joffre) Total		1882234.5	2136335.9							



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			Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
Company Name	Facility Name	Substance	2012	2015								
NOVA Chemicals Corporation	NOVA Research & Technology Center	1,3-Butadiene	0.1	0.1	1	S					CT	
		1-Butene	0.2	0.2		S						
		1-Hexene	0.3	0.3		S						
		Carbon dioxide (CO2)	2311.5	2300.0				CC			CT	
		Cyclohexane	3.0	3.0		S					CT	
		Ethane	1.6	1.5								
		Ethylene	8.3	8.0	3	S					CT	
		n-Hexane	0.0	0.0		S					CT	CM
		Propane	0.1	0.1		S					CT	
		VOC Other	0.6	0.6		S						
		Xylene (mixed isomers)	0.3	0.3	3	S				CT		
NOVA Chemicals Corporation	NOVA Research & Technology Center Total		2325.8	2314.0								



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
NOVA Chemicals Corporation	St. Clair River Site	1-Butene	3.9	3.9	S							
		Acetone	40.2	39.6								
		Biphenyl	0.8	0.8	S					CT		
		Butene	3.9	3.9	S					CT		
		Carbon dioxide (CO2)	65627.2	64680.7				CC		CT		
		Carbon monoxide	56.7	55.9								
		Cyclohexane	200.2	197.3	S					CT		
		Diphenyl oxide	2.2	2.2	S							
		Ethylene	23.9	23.5	3	S					CT	
		Methane	1.7	1.7				CC		CT		
		Naphthalene	0.0	0.0	2B	S				P	CT	CM
		Nitrous oxide	1.0	1.0				CC		CT		
		NOx (oxides of nitrogen)	89.2	88.0	S					CT		
		n-Pentane	1.1	1.1	S							
		PM10 - Particulate Matter <= 10 Microns	3.3	3.3	S						CT	
		PM2.5 - Particulate Matter <=2.5 Microns	2.6	2.5	S							
		Sulphuric acid	0.0	0.0	1							
TPM - Total Particulate Matter	10.5	10.4	S									
VOC Other	10.0	9.8	S									
Volatile Organic Compounds (VOCs)	234.7	231.4	S						CT			
NOVA Chemicals Corporation	St. Clair River Site Total		66313.3	65356.9								
NOVA Chemicals Corporation Total			4300946.2	4548532.6								
Olin Canada ULC	Usine de Bécancour	Asbestos (friable)	0.0	0.0	3					CT		
		Carbon dioxide (CO2)	4465.0	5000.0				CC		CT		
		Carbon monoxide	2.8	10.0								
		Chlorine	0.1	0.5								
		Chloroform	0.3	0.3	2B	S				CT		
		Hydrochloric acid (Hydrogen chloride)	0.1	0.2	3							
		Methane	0.1	0.1				CC		CT		
		Nitrous oxide	0.1	0.1				CC		CT		
		NOx (oxides of nitrogen)	17.0	20.0	S					CT		
		PM10 - Particulate Matter <= 10 Microns	0.0	0.1	S					CT		
PM2.5 - Particulate Matter <=2.5 Microns	0.0	0.1	S									
Sulphur dioxide	0.7	1.0	3	S					CT			



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Olin Canada ULC	Usine de Bécancour	Sulphuric acid	0.0	0.0	1						
		TPM - Total Particulate Matter	1.3	1.5	S						
Olin Canada ULC Total			4487.5	5033.8							
PPG Canada Inc. (now Axiall)	Beauharnois	Carbon dioxide (CO2)	6825.0	0.0				CC		CT	
		Carbon monoxide	2.5	0.0							
		Chlorine	0.0	0.0							
		Dibenzo-p-dioxins and dibenzofurans, polych	0.0	0.0						CT	
		Hexachlorobenzene	0.0	0.0	2B					CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Methane	0.1	0.0				CC		CT	
		Nickel (inorganic/respirable/soluble)	0.0	0.0	1					CT	CM
		Nitrous oxide	0.1	0.0				CC		CT	
		NOx (oxides of nitrogen)	16.2	0.0		S				CT	
		PM10 - Particulate Matter <= 10 Microns	3.2	0.0		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	2.1	0.0		S					
		Sulphur dioxide	60.3	0.0	3	S				CT	
		Sulphuric acid	0.0	0.0	1						
		TPM - Total Particulate Matter	3.7	0.0	S						
		Volatile Organic Compounds (VOCs)	0.1	0.0	S					CT	
PPG Canada Inc. Total (now Axiall)			6913.3	0.0							
Procor Ltd.	EDMONTON	Volatile Organic Compounds (VOCs)	17.7	15.0		S				CT	
Procor Ltd. Total			17.7	15.0							
Rohm and Haas Canada LP (now part of Dow)	WEST HILL PLANT	1-Dodecanethiol (n-dodecyl mercaptan)	0.0	0.0							
		2-Ethylhexyl acrylate	0.0	0.0	3	S					
		Acetic acid/glacial acetic acid	0.0	0.0		S					
		Acrylamide	0.0	0.0	2A	S				CT	CM
		Acrylic acid (and salts)	0.0	0.0	3	S				CT	
		Acrylonitrile	0.7	0.8	2B	S				CT	
		Ammonia (Total)	1.7	1.6		S				CT	



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			Emissions in Tonnes		Issues of Concern								
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)		
Company Name	Facility Name	Substance	2012	2015									
Rohm and Haas Canada LP (now part of Dow)	WEST HILL PLANT	Butyl acrylate	0.2	0.4	3	S					CT		
		Carbon dioxide (CO2)	2905.0	3100.0				CC			CT		
		Carbonic acid disodium salt	0.0	0.0									
		Ethyl acrylate	0.0	0.1	2B	S					CT	CM	
		Ethyl alcohol	0.8	0.8	1	S					CT		
		Lube oil	0.0	0.0									
		Methacrylic acid	0.0	0.0		S							
		Methyl methacrylate	0.2	0.2	3	S					CT		
		MSG#2 - Hydrotreated heavy naphthenic dist	0.0	0.0		S							
		N-Methylolacrylamide	0.0	0.0		S							
		Octylphenol and its ethoxylates	0.0	0.0							CT		
		Polyethylene glycol	0.0	0.0									
		Potassium hydroxide	0.0	0.0									
		Propylene glycol methyl ether acetate	0.0	0.0			S				CT		
		Sodium hydroxide	0.0	0.0									
		Styrene	1.2	1.1	2B	S					CT		
				Sulphuric acid	0.0	0.0	1						
			WEST HILL PLANT Total		2909.9	3104.9							
		Rohm and Haas Canada LP Total (now part of Dow)			2909.9	3104.9							



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Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
Ruetgers Canada Inc.	Hamillton site	1,2,4-Trimethylbenzene	2.6	2.6		S					CT	
		7,12-Dimethylbenz(a)anthracene	0.0	0.0						P	CT	
		7H-dibenzo(c,g)carbazole	0.0	0.0	2B	S				P	CT	
		Acenaphthene	1.4	1.4	3	S				P	CT	
		Acenaphthylene	0.0	0.0		S				P	CT	
		Ammonia (Total)	0.1	5.0		S					CT	
		Anthracene	0.1	0.1	3	S				P	CT	
		Benzene	4.1	4.0	1	S					CT	
		Benzo(a)anthracene	0.0	0.0	2A	S				P	CT	
		Benzo(a)fluorene	0.0	0.0	3					P	CT	
		Benzo(a)phenanthrene	0.0	0.0	2B					P	CT	
		Benzo(a)pyrene	0.0	0.0	1	S				P	CT	
		Benzo(b)fluoranthene	0.0	0.0	2B	S				P	CT	
		Benzo(b)fluorene	0.0	0.0						P	CT	
		Benzo(e)pyrene	0.0	0.0	3	S				P	CT	
		Benzo(g,h,i)perylene	0.0	0.0	3	S				P	CT	
		Benzo(j)fluoranthene	0.0	0.0	2B	S				P	CT	
		Benzo(k)fluoranthene	0.0	0.0	2B	S				P	CT	
		Biphenyl	0.5	0.5		S					CT	
		Carbon dioxide (CO2)	24800.0	24800.0				CC			CT	
		Carbon monoxide	17.9	18.0								
		Cresol (mixed isomers and salts)	0.8	0.8		S					CT	
		Dibenz(a,j)acridine	0.0	0.0	2A	S				P	CT	
		Dibenzo(a,h)anthracene	0.0	0.0	2A	S				P	CT	
		Dibenzo(a,i)pyrene	0.0	0.0	2B	S				P	CT	
		Fluoranthene	0.2	0.2	3	S				P	CT	
		Fluorene	0.2	0.2	3	S				P	CT	
		Hydrogen sulphide	0.6	0.6								
		Indeno(1,2,3-c,d)pyrene	0.0	0.0	2B	S				P	CT	
		Mercury (elemental, inorganic)	0.0	0.0							CT	
		Methane	0.5	0.5				CC			CT	
		Naphthalene	9.9	10.0	2B	S				P	CT	CM
		Nitrous oxide	0.5	0.5				CC			CT	
		NOx (oxides of nitrogen)	21.3	21.0		S					CT	



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern							
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
Ruetgers Canada Inc.	Hamillton site	Perylene	0.0	0.0	3	S				P	CT	
		Phenanthrene	0.5	0.5	3	S				P	CT	
		Phenol (and salts)	0.1	0.1	3	S					CT	
		Pyrene	0.1	0.1	3	S				P	CT	
		Quinoline (and salts)	0.3	0.3								
		Sulphur dioxide	7.9	2.3	3	S					CT	
		Toluene	3.8	3.8	3	S					CT	
		Total Reduced Sulphur (TRS)	0.7	0.7								
		TPM - Total Particulate Matter	0.4	0.4		S						
		Trimethylbenzene (all isomers excluding 1,2,4)	3.0	3.0								CT
		VOC Other	12.9	13.0		S						
		Volatile Organic Compounds (VOCs)	22.6	23.0		S						CT
		Xylene (mixed isomers)	1.6	1.7	3	S						CT
Ruetgers Canada Inc. Total			24914.6	24914.4								
Shell Chemicals Canada Limited	Sarnia Manufacturing Centre	Acetone	0.2	0.2								
		Isopropyl alcohol (Isopropanol)	24.1	24.1	3	S					CT	
		n-Hexane	0.0	0.0		S					CT	CM
		PM10 - Particulate Matter <= 10 Microns	9.6	8.6		S					CT	
		Propylene (propene)	12.2	12.2	3	S					CT	
		Volatile Organic Compounds (VOCs)	37.4	37.4		S					CT	
Shell Chemicals Canada Limited	Sarnia Manufacturing Centre Total		83.4	82.4								
Shell Chemicals Canada Limited	Scotford Chemical Plant	Acetaldehyde	5.7	5.0	2B	S					CT	
		Activated carbon	0.0	0.0								
		Ammonia (Total)	5.0	5.0		S					CT	
		Anthracene	0.0	0.1	3	S				P	CT	
		Benzene	19.6	20.0	1	S					CT	
		Carbon dioxide (CO2)	303432.5	303500.0					CC		CT	
		Carbon monoxide	218.5	230.0								
		Chlorine	5.9	6.0								
		Cumene (isopropylbenzene)	0.1	0.2		S					CT	
		Diethylbenzene	1.2	0.4		S						
Diethylene glycol	0.0	0.0		S								



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			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)	
			2012	2015								
Shell Chemicals Canada Limited	Scotford Chemical Plant	Ethylbenzene	14.8	15.0	2B	S					CT	
		Ethylene	17.4	25.0	3	S					CT	
		Ethylene glycol	0.4	0.5		S					CT	
		Ethylene oxide	0.3	0.4	1	S					CT	
		Formaldehyde	0.0	0.0	1	S					CT	
		Hydrochlorodifluoromethane (HCFC-22)	0.0	0.0	3		O	CC			CT	
		Lube oil	0.0	0.5								
		Methane	11.6	15.0				CC			CT	
		Nitrous oxide	2.1	2.5				CC			CT	
		NOx (oxides of nitrogen)	318.8	360.0		S					CT	
		PM10 - Particulate Matter <= 10 Microns	18.6	20.0		S					CT	
		PM2.5 - Particulate Matter <=2.5 Microns	8.4	8.5		S						
		Styrene	18.6	20.0	2B	S					CT	
		Sulphur dioxide	1.6	2.0	3	S					CT	
		Sulphuric acid	0.0	0.0	1							
		Toluene	1.2	1.2	3	S					CT	
		TPM - Total Particulate Matter	19.5	20.0		S						
		Triethylene glycol	0.0	0.0		S						
		VOC Other	15.3	17.0		S						
		Volatile Organic Compounds (VOCs)	111.5	100.0		S					CT	
Xylene (mixed isomers)	0.2	0.2	3	S					CT			
Shell Chemicals Canada Limited	Scotford Chemical Plant											
	Total		304249.1	304374.4								
Shell Chemicals Canada Limited Total			304332.5	304456.8								



All Substances Emissions for 2012 and Projections for 2015
Substances Reported by Company and Facility (in alphabetical order by company)

Company Name	Facility Name	Substance	Emissions in Tonnes		Issues of Concern						
			Actual	Projected	IARC	Smog (S)	Ozone (O)	Climate Change (CC)	PAH (P)	CEPA-Toxic (CT)	CMP (CM)
			2012	2015							
Stepan Canada	Longford Mills Plant	Acetic acid/glacial acetic acid	0.0	0.0		S					
		Ethyl alcohol	0.2	0.2	1	S				CT	
		Ethylene oxide	0.0	0.9	1	S				CT	
		Maleic anhydride	0.0	0.0		S				CT	
		Nonylphenol and its ethoxylates	0.0	0.0						CT	
		Octylphenol and its ethoxylates	0.0	0.0						CT	
		Phosphorus (total)	0.0	0.0							
		PM10 - Particulate Matter <= 10 Microns	6.4	6.4		S				CT	
		PM2.5 - Particulate Matter <=2.5 Microns	6.3	6.3		S					
		Sulphuric acid	1.7	1.7	1						
Stepan Canada Total			14.7	15.5							
St-Jean Photochimie	ST-JEAN-SUR-RICHELIEU	1-methoxy-2-propanol (PGME) - Glycol Ether	0.0	5.0		S					
		Acetone	0.3	0.3							
		Carbon dioxide (CO2)	127.4	180.0				CC		CT	
		Cresol (mixed isomers and salts)	0.0	0.0		S				CT	
		Ethyl acetate	0.1	0.0		S				CT	
		Ethyl alcohol	0.0	0.0	1	S				CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	12.0	3						
		Methane	0.0	0.0				CC		CT	
		Methanol	0.0	0.2		S				CT	
		Methyl tert-butyl ether	2.3	0.4	3	S				CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		Propylene glycol methyl ether acetate	0.0	5.0		S				CT	
St-Jean Photochimie Total			130.2	202.9							
Sulco Chemicals	ELMIRA PLANT	Carbon dioxide (CO2)	16.2	16.0				CC		CT	
		Formic acid	0.0	0.0		S				CT	
		Hydrochloric acid (Hydrogen chloride)	0.0	0.0	3						
		Hydrogen fluoride	0.0	0.0						CT	
		Methane	0.2	0.2				CC		CT	
		Nitrous oxide	0.0	0.0				CC		CT	
		Sulphur dioxide	35.0	35.0	3	S				CT	
Sulco Chemicals Total			57.0	56.8							