#### The application of pesticide to land.

Ref #	Circumstances	Chemical
59	1. The area of land to which the pesticide is applied is less than 1 hectare.	Glyphosate
The a	pplication of road salt.	
Ref #	Circumstances	Chemical
88	1. The road salt is applied in an area where the percentage of total impervious surface area, as set out on a total impervious surface area map, is not more than 1 percent.	Chloride
89		Sodium
The h	andling and storage of fuel. Threat Subcategory: Handling Of Fuel	
Ref #	Circumstances	Chemical
112	1. The above grade handling of liquid fuel in relation to its storage at a bulk plant as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, or a facility that manufacturers or refines fuel. 2. The quantity of liquid fuel stored is not more than 25 litres.	BTEX
113		Petroleum Hydrocarbons F1 (nC6- nC10)
114		Petroleum Hydrocarbons F4 (>nC34)
115		Petroleum Hydrocarbons F2 (>nC10- nC16)
116		Petroleum Hydrocarbons F3 (>nC16- nC34)
118	1. The above grade handling of liquid fuel in relation to its storage at a facility as defined in section 1 of O. Reg. 213/01 (Fuel Oil) made under the Technical Standards and Safety Act, 2000 or a facility as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, but not including a bulk plant. 2. The quantity of liquid fuel stored is not more than 25 litres.	Petroleum Hydrocarbons F1 (nC6- nC10)
119		Petroleum Hydrocarbons F4 (>nC34)
120		Petroleum Hydrocarbons F2 (>nC10- nC16)
121		Petroleum Hydrocarbons F3 (>nC16- nC34)
123	1. The below grade handling of liquid fuel in relation to its storage at a bulk plant as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, or a facility that manufacturers or refines fuel. 2. The quantity of liquid fuel stored is not more than 25 litres.	Petroleum Hydrocarbons F1 (nC6- nC10)
124		Petroleum Hydrocarbons F4 (>nC34)
125		Petroleum Hydrocarbons F2 (>nC10- nC16)
126		Petroleum Hydrocarbons F3 (>nC16- nC34)
133	1. The above grade handling of liquid fuel in relation to its storage at a bulk plant as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, or a facility that manufacturers or refines fuel. 2. The quantity of liquid fuel stored is more than 25, but not more than 250 litres.	Petroleum Hydrocarbons F1 (nC6-nC10)
134		Petroleum Hydrocarbons F4 (>nC34)
135		Petroleum Hydrocarbons F2 (>nC10- nC16)

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<u>PRO</u>	VINCIAL TABLE 6 (CW10L): Chemicals in a WHPA with a vulnerability	ity score of 10 where threats are low	
The h	andling and storage of fuel.	Threat Subcategory: Handling Of Fuel	
Ref #	Circumstances		Chemical
136			Petroleum Hydrocarbons F3 (>nC16- nC34)
128	1. The below grade handling of liquid fuel in relation to its storage at a facility as defined in section 1 defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety	of O. Reg. 213/01 (Fuel Oil) made under the Technical Standards and Safety Act, 2000 or a facility as y Act, 2000, but not including a bulk plant. 2. The quantity of liquid fuel stored is not more than 25 litres.	Petroleum Hydrocarbons F1 (nC6- nC10)
129			Petroleum Hydrocarbons F4 (>nC34)
130			Petroleum Hydrocarbons F2 (>nC10- nC16)
131			Petroleum Hydrocarbons F3 (>nC16- nC34)
<u>The n</u> aircra	nanagement of runoff that contains chemicals used in the de-icing of aft.		
Ref #	Circumstances		Chemical
193	1.Runoff containing de-icing materials may discharge from to land or water. 2.The runoff originates	at a remote airport.	Ethylene Glycol
<u>The e</u> trans	stablishment, operation or maintenance of a system that collects, stores, mits, treats or disposes of sewage.	Threat Subcategory: Sewage System Or Sewage Works - Discharge Of Un A Stormwater Retention Pond	treated Stormwater From
Ref #	Circumstances		Chemical
277	1. The system is a storm water management facility designed to discharge storm water to land or surface hectare and the predominant land uses in the area are rural, agricultural, or low density residential.	ace water. 2. The drainage area associated with the storm water management facility is not more than 1	Aluminum or one or more of its compounds containing Aluminum
278			Arsenic or one or more of its compounds containing Arsenic

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Cadmium or one or more of its compounds containing Cadmium

Copper or one or more of its

Lead or one or more of its compounds containing Lead

Mercury or one or more of its compounds containing Mercury Nickel or one or more of its

compounds containing Nickel

compounds containing Copper

Chloride

Chromium VI

Glyphosate

Mecoprop

Nitrogen

Ref #	Circumstances	Chemical
289		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
290		Petroleum Hydrocarbons F1 (nC6- nC10)
291		Petroleum Hydrocarbons F4 (>nC34)
292		Petroleum Hydrocarbons F2 (>nC10- nC16)
293		Petroleum Hydrocarbons F3 (>nC16- nC34)
295		Zinc or one or more of its compounds containing Zinc
296	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is more than 1 but not more than 10 hectares and the predominant land uses in the area are rural, agricultural, or low density residential.	Aluminum or one or more of its compounds containing Aluminum
299		Chloride
301		Copper or one or more of its compounds containing Copper
302		Glyphosate
306		Nickel or one or more of its compounds containing Nickel
308		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
309		Petroleum Hydrocarbons F1 (nC6- nC10)
310		Petroleum Hydrocarbons F4 (>nC34)
311		Petroleum Hydrocarbons F2 (>nC10- nC16)
312		Petroleum Hydrocarbons F3 (>nC16- nC34)
314		Zinc or one or more of its compounds containing Zinc
321	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is more than 10 but not more than 100 hectares and the predominant land uses in the area are rural, agricultural, or low density residential.	Glyphosate
353	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is not more than 1 hectare and the predominant land use in the area is high density residential land use.	Aluminum or one or more of its compounds containing Aluminum
355		Cadmium or one or more of its compounds containing Cadmium
356		Chloride

#### <u>The establishment, operation or maintenance of a system that collects, stores,</u> transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Discharge Of Untreated Stormwater From A Stormwater Retention Pond

Ref #	Circumstances	Chemical
358		Copper or one or more of its compounds containing Copper
359		Glyphosate
360		Lead or one or more of its compounds containing Lead
362		Mercury or one or more of its compounds containing Mercury
363		Nickel or one or more of its compounds containing Nickel
364		Nitrogen
365		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
366		Petroleum Hydrocarbons F1 (nC6- nC10)
367		Petroleum Hydrocarbons F4 (>nC34)
368		Petroleum Hydrocarbons F2 (>nC10- nC16)
369		Petroleum Hydrocarbons F3 (>nC16- nC34)
371		Zinc or one or more of its compounds containing Zinc
377	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is more than 1 but not more than 10 hectares and the predominant land use in the area is high density residential land use.	Copper or one or more of its compounds containing Copper
378		Glyphosate
386		Petroleum Hydrocarbons F4 (>nC34)
387		Petroleum Hydrocarbons F2 (>nC10- nC16)
388		Petroleum Hydrocarbons F3 (>nC16- nC34)
390		Zinc or one or more of its compounds containing Zinc
429	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is not more than 1 hectare and the predominant land uses in the area are industrial or commercial.	Aluminum or one or more of its compounds containing Aluminum
432		Chloride
434		Copper or one or more of its compounds containing Copper
435		Glyphosate

#### <u>The establishment, operation or maintenance of a system that collects, stores,</u> transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Discharge Of Untreated Stormwater From A Stormwater Retention Pond

# The establishment, operation or maintenance of a system that collects, stores,<br/>transmits, treats or disposes of sewage.Threat Subcategory: Sewage System Or Sewage Works - Discharge Of Untreated Stormwater From<br/>A Stormwater Retention Pond

420		
439		Nickel or one or more of its compounds containing Nickel
441		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
442		Petroleum Hydrocarbons F1 (nC6- nC10)
443		Petroleum Hydrocarbons F4 (>nC34)
444		Petroleum Hydrocarbons F2 (>nC10- nC16)
445		Petroleum Hydrocarbons F3 (>nC16- nC34)
447		Zinc or one or more of its compounds containing Zinc
454	1. The system is a storm water management facility designed to discharge storm water to land or surface water. 2. The drainage area associated with the storm water management facility is more than 1 but not more than 10 hectares and the predominant land uses in the area are industrial or commercial.	Glyphosate
<u>The es</u> transn	tablishment, operation or maintenance of a system that collects, stores, Threat Subcategory: Sewage System Or Sewage Works - Sanitary Sewers an nits, treats or disposes of sewage.	nd related pipes
Ref #	Circumstances	Chemical
633	1. The system is part of a wastewater collection facility that collects or transmits sewage containing human waste, but does not include a sewage storage tank or a designed bypass. 2. The system is designed to convey not more than 250 cubic metres of sewage per day.	Copper or one or more of its compounds containing Copper
634		Dichlorobenzidine-3,3'
635		Hexachlorobenzene
639		one or more Polychlorinated Biphenyls (PCBs)
640		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
641		Pentachlorophenol
642		Zinc or one or more of its compounds containing Zinc
646	1. The system is part of a wastewater collection facility that collects or transmits sewage containing human waste, but does not include a sewage storage tank or a designed bypass. 2. The system is designed to convey more than 250, but not more than 1,000 cubic metres of sewage per day.	Dichlorobenzidine-3,3'
The es	tablishment, operation or maintenance of a system that collects, stores, Threat Subcategory: Sewage System Or Sewage Works - Sewage Treatment	Plant Effluent Discharges
transn	nits, treats or disposes of sewage. (Includes Lagoons)	-
Ref #	Circumstances	Chemical

Ref #	Circumstances	Chemical
784	1. The system is a wastewater treatment facility that discharges directly to land or surface water through a means other than a designed bypass. 2. The system is designed to discharge treated sanitary sewage at average daily rate that is not more than 500 cubic metres on an annual basis.	Antimony or one or more of its compounds containing Antimony
785		Arsenic or one or more of its compounds containing Arsenic
786		Barium
787		BTEX
788		Cadmium or one or more of its compounds containing Cadmium
789		Chlorophenol-2
790		Chromium VI
791		Copper or one or more of its compounds containing Copper
792		Cyanide (CN-)
793		Dibutyl phthalate
794		Dichlorobenzene-1,2 (ortho)
795		Dichlorobenzene-1,4 (para)
796		Dichlorophenol-2,4
797		Ethylene Glycol
798		Lead or one or more of its compounds containing Lead
799		MCPA (2-methyl-4- chlorophenoxyacetic acid )
800		Mercury or one or more of its compounds containing Mercury
801		Nickel or one or more of its compounds containing Nickel
802		Nitrogen
803		Nitrosodimethylamine-N (NDMA)
804		Phenol (or its salts)
806		Silver or one or more of its compounds containing Silver
807		Zinc or one or more of its compounds containing Zinc
810	1. The system is a wastewater treatment facility that discharges directly to land or surface water through a means other than a designed bypass. 2. The system is designed to discharge treated sanitary sewage at average daily rate that is more than 500 but not more than 2,500 cubic metres on an annual basis.	Barium
813		Chlorophenol-2

#### Ref # Circumstances Chemical 815 Copper or one or more of its compounds containing Copper 816 Cyanide (CN-) 817 Dibutyl phthalate 818 Dichlorobenzene-1,2 (ortho) 819 Dichlorobenzene-1,4 (para) 821 Ethylene Glycol 825 Nickel or one or more of its compounds containing Nickel 828 Phenol (or its salts) 830 Silver or one or more of its compounds containing Silver 831 Zinc or one or more of its compounds containing Zinc The establishment, operation or maintenance of a system that collects, stores, Threat Subcategory: Sewage System Or Sewage Works - Storage Of Sewage (E.G. Treatment Plant transmits, treats or disposes of sewage. Tanks) Ref # Chemical Circumstances 904 1. The system is a treatment tank or storage tank that is part of a sewage works within the meaning of the Ontario Water Resources Act, the tank treats or stores sanitary sewage containing human waste and is at BTEX or above grade. 2. The system is associated with a wastewater treatment facility that is designed to discharge treated sanitary sewage at an average daily rate that is not more than 500 cubic metres on an annual basis. 905 Cadmium or one or more of its compounds containing Cadmium 907 Hexachlorobenzene 908 Lead or one or more of its compounds containing Lead 909 Mercury or one or more of its compounds containing Mercury 910 Nitrogen Nitrosodimethylamine-N (NDMA) 911 912 one or more Polychlorinated Biphenyls (PCBs) 913 Trichloroethylene or another DNAPL that could degrade to Trichloroethylene 914 Vinyl chloride or another DNAPL that could degrade to vinyl chloride

#### <u>The establishment, operation or maintenance of a system that collects, stores,</u> transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Sewage Treatment Plant Effluent Discharges (Includes Lagoons)

## The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Storage Of Sewage (E.G. Treatment Plant Tanks)

Ref #	Circumstances	Chemical
918	1. The system is a treatment tank or storage tank that is part of a sewage works within the meaning of the Ontario Water Resources Act, the tank treats or stores sanitary sewage containing human waste and is below grade. 2. The system is associated with a wastewater treatment facility that is designed to discharge treated sanitary sewage at an average daily rate that is not more than 500 cubic metres on an annual basis.	Copper or one or more of its compounds containing Copper
919		Hexachlorobenzene
924		one or more Polychlorinated Biphenyls (PCBs)
925		Pentachlorophenol
928		Zinc or one or more of its compounds containing Zinc
931	1. The system is a treatment tank or storage tank that is part of a sewage works within the meaning of the Ontario Water Resources Act, the tank treats or stores sanitary sewage containing human waste, and a part of the tank, but not all, is below grade. 2. The system is associated with a wastewater treatment facility that is designed to discharge treated sanitary sewage at an average daily rate that is not more than 500 cubic metres on an annual basis.	Copper or one or more of its compounds containing Copper
932		Hexachlorobenzene
937		one or more Polychlorinated Biphenyls (PCBs)
938		Pentachlorophenol
941		Zinc or one or more of its compounds containing Zinc
942	1. The system is a treatment tank or storage tank that is part of a sewage works within the meaning of the Ontario Water Resources Act, the tank treats or stores sanitary sewage containing human waste and is at or above grade. 2. The system is associated with a wastewater treatment facility that is designed to discharge treated sanitary sewage at an average daily rate that is more than 500 but not more than 2,500 cubic metres on an annual basis.	BTEX
943		Cadmium or one or more of its compounds containing Cadmium
944		Copper or one or more of its compounds containing Copper
945		Hexachlorobenzene
946		Lead or one or more of its compounds containing Lead
947		Mercury or one or more of its compounds containing Mercury
948		Nitrogen
949		Nitrosodimethylamine-N (NDMA)
950		one or more Polychlorinated Biphenyls (PCBs)
951		Pentachlorophenol
952		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene

#### The establishment, operation or maintenance of a system that collects, stores, Threat Subcategory: Sewage System Or Sewage Works - Storage Of Sewage (E.G. Treatment Plant transmits, treats or disposes of sewage. Tanks) Ref # Circumstances Chemical 954 Zinc or one or more of its compounds containing Zinc 983 1. The system is a treatment tank or storage tank that is part of a sewage works within the meaning of the Ontario Water Resources Act, the tank treats or stores sanitary sewage containing human waste and is at Copper or one or more of its or above grade. 2. The system is associated with a wastewater treatment facility that is designed to discharge treated sanitary sewage at an average daily rate that is more than 2,500 but not more than 17,500 compounds containing Copper cubic metres on an annual basis. 984 Hexachlorobenzene 989 one or more Polychlorinated Biphenyls (PCBs) 990 Pentachlorophenol 993 Zinc or one or more of its compounds containing Zinc **Threat Subcategory: Storage Of A Pesticide** The handling and storage of pesticide. Ref # Circumstances Chemical 1.A pesticide is stored at a facility where it is manufactured or processed, or from which it is wholesaled, excluding storage related solely to retail sale or for use in extermination within the meaning of the 1113 Atrazine Pesticides Act. 2. The total mass of all materials stored that contain the pesticide, in any form including liquid or solid, is not more than 25 kilograms. 1114 Dicamba 1115 Dichlorophenoxy Acetic Acid (D-2,4) 1116 Dichloropropene-1,3 1117 Glyphosate MCPA (2-methyl-4-1118 chlorophenoxyacetic acid ) MCPB (4-(4-chloro-2-1119 methylphenoxy)butanoic acid ) 1120 Mecoprop 1121 Metalaxyl 1122 Metolachlor or s-Metolachlor 1123 Pendimethalin 1128 1.A pesticide is stored for retail sale or for use in extermination within the meaning of the Pesticides Act. 2. The total mass of all materials stored that contain the pesticide, in any form including liquid or solid, Glyphosate is not more than 25 kilograms. 1130 MCPB (4-(4-chloro-2methylphenoxy)butanoic acid ) 1132 Metalaxyl 1133 Metolachlor or s-Metolachlor 1134 Pendimethalin

Ref #	Circumstances	Chemical
1139	1.A pesticide is stored at a facility where it is manufactured or processed, or from which it is wholesaled, excluding storage related solely to retail sale or for use in extermination within the meaning of the Pesticides Act. 2.The total mass of all materials stored that contain the pesticide, in any form including liquid or solid, is more than 25 but not more than 250 kilograms.	Glyphosate
1141		MCPB (4-(4-chloro-2- methylphenoxy)butanoic acid )
1143		Metalaxyl
1144		Metolachlor or s-Metolachlor
1145		Pendimethalin
1150	1.A pesticide is stored for retail sale or for use in extermination within the meaning of the Pesticides Act. 2. The total mass of all materials stored that contain the pesticide, in any form including liquid or solid, is more than 25 but not more than 250 kilograms.	Glyphosate
1161	1.A pesticide is stored at a facility where it is manufactured or processed, or from which it is wholesaled, excluding storage related solely to retail sale or for use in extermination within the meaning of the Pesticides Act. 2. The total mass of all materials stored that contain the pesticide, in any form including liquid or solid, is more than 250 but not more than 2,500 kilograms.	Glyphosate
<u>The l</u>	andling and storage of an organic solvent. Threat Subcategory: Storage Of An Organic Solvent	
Ref #	Circumstances	Chemical
1228	1. The organic solvent is stored in a container at or above grade. 2. The quantity of organic solvent stored is not more than 25 litres.	Pentachlorophenol
The l	andling and storage of commercial fertilizer. Threat Subcategory: Storage Of Commercial Fertilizer	
Ref #	Circumstances	Chemical
1273	1. The commercial fertilizer is stored at a facility where it is manufactured or processed, or from which it is wholesaled, excluding storage related solely to retail sale or in relation to the application of the fertilizer. 2. The total mass of all materials stored that contain the commercial fertilizer, in any form including liquid or solid, is not more than 25 kilograms.	Nitrogen
The l	andling and storage of fuel. Threat Subcategory: Storage Of Fuel	
Ref #	Circumstances	Chemical
1289	1. The storage of liquid fuel in a tank at or above grade at a bulk plant as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, or a facility that manufacturers or refines fuel. 2. The fuel is stored in a quantity that is not more than 25 litres.	BTEX
1290		Petroleum Hydrocarbons F1 (nC6- nC10)
1291		Petroleum Hydrocarbons F4 (>nC34)
1292		Petroleum Hydrocarbons F2 (>nC10- nC16)
1293		Petroleum Hydrocarbons F3 (>nC16- nC34)
1295	1. The storage of liquid fuel in a tank at or above grade at a facility as defined in section 1 of O. Reg. 213/01 (Fuel Oil) made under the Technical Standards and Safety Act, 2000 or a facility as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, but not including a bulk plant. 2. The fuel is stored in a quantity that is not more than 25 litres.	Petroleum Hydrocarbons F1 (nC6-nC10)
1296		Petroleum Hydrocarbons F4 (>nC34)
1297		Petroleum Hydrocarbons F2 (>nC10- nC16)

The handling and storage of pesticide.

#### The handling and storage of fuel.

### **Threat Subcategory: Storage Of Fuel**

Ref #	Circumstances	Chemical
1298		Petroleum Hydrocarbons F3 (>nC16- nC34)
1320	1. The storage of liquid fuel in a tank at or above grade at a bulk plant as defined in section 1 of O. Reg. 217/01 (Liquid Fuels) made under the Technical Standards and Safety Act, 2000, or a facility that manufacturers or refines fuel. 2. The fuel is stored in a quantity that is more than 25, but not more than 250 litres.	Petroleum Hydrocarbons F1 (nC6- nC10)
1321		Petroleum Hydrocarbons F4 (>nC34)
1322		Petroleum Hydrocarbons F2 (>nC10- nC16)
1323		Petroleum Hydrocarbons F3 (>nC16- nC34)

### The handling and storage of road salt.

Ref #	Circumstances	Chemical
1435	1. The storage of road salt in a salt dome or similar facility designed to protect the road salt from exposure to precipitation or runoff from precipitation or snow melt. 2. The quantity stored is less than 500 tonnes.	Chloride
1436		Sodium

## <u>The establishment, operation or maintenance of a waste disposal site within</u> <u>the meaning of Part V of the Environmental Protection Act.</u> Threat Subcategory: Storage, Treatment And Discharge Of Tailings From Mines

Ref #	Circumstances	Chemical
1549	1. Tailings from mining operations are stored using an impoundment structure located on the surface. 2. The site is not part of a facility for which the NPRI Notice requires a person to report.	Copper or one or more of its compounds containing Copper
1558		Zinc or one or more of its compounds containing Zinc

#### <u>The establishment, operation or maintenance of a waste disposal site within</u> <u>the meaning of Part V of the Environmental Protection Act.</u> Threat Subcategory: Waste Disposal Site - Liquid Industrial Waste Injection into a well

Ref #	Circumstances	Chemical
1714	1. The land disposal of liquid industrial waste within the meaning of clause (c) of the definition of "land disposal" in section 1 of Regulation 347 (General - Waste Management) made under the Environmental	Bis(2-ethylhexyl) adipate
	Protection Act, is undertaken at the site. 2. The combined rate of discharge of all wells located at the site is not more than 380 cubic metres per year.	