

**The application of agricultural source material to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
5	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is less than 40% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
6		Phosphorus (total)
9	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen
10		Phosphorus (total)
11	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
12		Phosphorus (total)
13	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is than 0.5 nutrient units per acre.	Nitrogen
14		Phosphorus (total)
15	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen
16		Phosphorus (total)
17	1.The agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
18		Phosphorus (total)

**The application of commercial fertilizer to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
23	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is less than 40% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
24		Phosphorus (total)
27	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen
28		Phosphorus (total)
29	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
30		Phosphorus (total)
31	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is less than 0.5 nutrient units per acre.	Nitrogen
32		Phosphorus (total)
33	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen

**A blank cell indicates the text is the same as previous cells**

Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 441/97, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère de l'Environnement au 416-212-5296, ou [sourceprotection@ontario.ca](mailto:sourceprotection@ontario.ca)

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The application of commercial fertilizer to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
34		Phosphorus (total)
35	1.The commercial fertilizer is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
36		Phosphorus (total)

**The application of non-agricultural source material to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
41	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is less than 40% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
42		Phosphorus (total)
45	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen
46		Phosphorus (total)
47	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is at least 40%, but not more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
48		Phosphorus (total)
49	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is less than 0.5 nutrient units per acre.	Nitrogen
50		Phosphorus (total)
51	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is at least 0.5 nutrient units per acre but not more than 1.0 nutrient unit per acre.	Nitrogen
52		Phosphorus (total)
53	1.The non-agricultural source material is applied to land located in a vulnerable area, where the managed land map shows a managed land percentage for the applicable area that is more than 80% and the livestock density map shows a livestock density for the applicable area that is sufficient to annually apply agricultural source material at a rate that is more than 1.0 nutrient units per acre.	Nitrogen
54		Phosphorus (total)

**The application of pesticide to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
60	1.The area of land to which the pesticide is applied is less than 1 hectare.	MCPA (2-methyl-4-chlorophenoxyacetic acid )
62		Mecoprop
66	1.The area of land to which the pesticide is applied is at least 1 hectare, but not more than 10 hectares.	Atrazine
67		Dicamba
68		Dichlorophenoxy Acetic Acid (D-2,4)

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The application of pesticide to land.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
69		Dichloropropene-1,3
71		MCPA (2-methyl-4-chlorophenoxyacetic acid )
72		MCPB (4-(4-chloro-2-methylphenoxy)butanoic acid )
73		Mecoprop
74		Metalaxyl
76		Pendimethalin
77	1.The area of land to which the pesticide is applied is more than 10 hectares.	Atrazine
78		Dicamba
79		Dichlorophenoxy Acetic Acid (D-2,4)
80		Dichloropropene-1,3
81		Glyphosate
82		MCPA (2-methyl-4-chlorophenoxyacetic acid )
83		MCPB (4-(4-chloro-2-methylphenoxy)butanoic acid )
84		Mecoprop
85		Metalaxyl
86		Metolachlor or s-Metolachlor
87		Pendimethalin

**The application of road salt.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
92	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 more than 8, but less than 80 percent.	Chloride
93		Sodium
94	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 80 percent or more.	Chloride
95		Sodium

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.** Threat Subcategory: Application Of Untreated Septage To Land

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
98	1.The application of hauled sewage to land. 2.The application area is at least 1, but not more than 10 hectares.	Nitrogen
99		Phosphorus (total)

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**

**Threat Subcategory: Application Of Untreated Septage To Land**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
100	1.The application of hauled sewage to land. 2.The application area is more than 10 hectares.	Nitrogen
101		Phosphorus (total)

**The handling and storage of a dense non-aqueous phase liquid.**

**Threat Subcategory: Handling Of A Dense Non Aqueous Phase Liquid (DNAPL)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
107	1. The above grade handling of a DNAPL in relation to its storage.	Dioxane-1,4
108		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
109		Tetrachloroethylene (PCE)
110		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
111		Vinyl chloride or another DNAPL that could degrade to vinyl chloride

**The handling and storage of fuel.**

**Threat Subcategory: Handling Of Fuel**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
177	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 more than 2,500 litres.	BTEX
178		Petroleum Hydrocarbons F1 (nC6-nC10)

**The management of runoff that contains chemicals used in the de-icing of aircraft.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
196	1.Runoff containing de-icing materials may discharge to land or water. 2.The runoff originates at a regional airport.	Dioxane-1,4
197		Ethylene Glycol
198	1.Runoff containing de-icing materials may discharge to land or water. 2.The runoff originates at a national airport.	Dioxane-1,4
199		Ethylene Glycol

**The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.**

**Threat Subcategory: Management Or Handling Of Agricultural Source Material - Agricultural Source Material (ASM) Generation (Grazing and pasturing)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
202	1.The use of land as livestock grazing or pasturing land. 2.The number of nutrient units generated in the farm unit divided by the number of acres of land that is used for livestock grazing or pasturing land is sufficient to generate nutrients at an annual rate that is at least 0.5 and not more than 1 nutrient unit per acre.	Nitrogen

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.**

**Threat Subcategory: Management Or Handling Of Agricultural Source Material - Agricultural Source Material (ASM) Generation (Grazing and pasturing)**

Ref #	Circumstances	Chemical
203		Phosphorus (total)
204	1.The use of land as livestock grazing or pasturing land. 2.The number of nutrient units generated in the farm unit divided by the number of acres of land that is used for livestock grazing or pasturing land is sufficient to generate nutrients at an annual rate that is more than 1 nutrient unit per acre.	Nitrogen
205		Phosphorus (total)

**The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.**

**Threat Subcategory: Management Or Handling Of Agricultural Source Material - Agricultural Source Material (ASM) Generation (Yards or confinement)**

Ref #	Circumstances	Chemical
208	1.The use of land as an outdoor confinement area or a farm-animal yard. 2.The number of animals confined in the area at any time is sufficient to generate agricultural source material at a rate of at least 120 nutrient units and not more than 300 nutrient units per hectares of the area annually.	Nitrogen
209		Phosphorus (total)
210	1.The use of land as an outdoor confinement area or a farm-animal yard. 2.The number of animals confined in the area at any time is sufficient to generate agricultural source material at a rate of more than 300 nutrient units per hectares of the area annually.	Nitrogen
211		Phosphorus (total)

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.**

**Threat Subcategory: Sewage System Or Sewage Works - Combined Sewer discharge from a stormwater outlet to surface water**

Ref #	Circumstances	Chemical
239	1.The system is a combined sewer that may discharge sanitary sewage containing human waste to surface water other than by way of a designed bypass. 2.The combined sewer is part of a system that includes a wastewater treatment facility designed to discharge treated sanitary sewage at an average daily rate that is more than 2,500 but not more than 17,500 cubic metres on an annual basis.	Cadmium or one or more of its compounds containing Cadmium
241		Hexachlorobenzene
242		Lead or one or more of its compounds containing Lead
243		Mercury or one or more of its compounds containing Mercury
246		one or more Polychlorinated Biphenyls (PCBs)
251	1.The system is a combined sewer that may discharge sanitary sewage containing human waste to surface water other than by way of a designed bypass. 2.The combined sewer is part of a system that includes a wastewater treatment facility designed to discharge treated sanitary sewage at an average daily rate that is more than 17,500 but not more than 50,000 cubic metres on an annual basis.	BTEX
252		Cadmium or one or more of its compounds containing Cadmium
253		Copper or one or more of its compounds containing Copper
254		Hexachlorobenzene
255		Lead or one or more of its compounds containing Lead

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.**

**Threat Subcategory: Sewage System Or Sewage Works - Combined Sewer discharge from a stormwater outlet to surface water**

Ref #	Circumstances	Chemical
256		Mercury or one or more of its compounds containing Mercury
257		Nitrogen
258		Nitrosodimethylamine-N (NDMA)
259		one or more Polychlorinated Biphenyls (PCBs)
260		Pentachlorophenol
261		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
262		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
263		Zinc or one or more of its compounds containing Zinc
264	1.The system is a combined sewer that may discharge sanitary sewage containing human waste to surface water other than by way of a designed bypass. 2.The combined sewer is part of a system that includes a wastewater treatment facility designed to discharge treated sanitary sewage at an average daily rate that is more than 50,000 cubic metres on an annual basis.	BTEX
265		Cadmium or one or more of its compounds containing Cadmium
266		Copper or one or more of its compounds containing Copper
267		Hexachlorobenzene
268		Lead or one or more of its compounds containing Lead
269		Mercury or one or more of its compounds containing Mercury
270		Nitrogen
271		Nitrosodimethylamine-N (NDMA)
272		one or more Polychlorinated Biphenyls (PCBs)
273		Pentachlorophenol
274		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
275		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
276		Zinc or one or more of its compounds containing Zinc

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

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

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
316	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.	Arsenic or one or more of its compounds containing Arsenic
317		Cadmium or one or more of its compounds containing Cadmium
319		Chromium VI
322		Lead or one or more of its compounds containing Lead
323		Mecoprop
324		Mercury or one or more of its compounds containing Mercury
327		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
334	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 100 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
335		Arsenic or one or more of its compounds containing Arsenic
336		Cadmium or one or more of its compounds containing Cadmium
337		Chloride
338		Chromium VI
339		Copper or one or more of its compounds containing Copper
340		Glyphosate
341		Lead or one or more of its compounds containing Lead
342		Mecoprop
343		Mercury or one or more of its compounds containing Mercury
344		Nickel or one or more of its compounds containing Nickel
345		Nitrogen
346		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
347		Petroleum Hydrocarbons F1 (nC6-nC10)
348		Petroleum Hydrocarbons F4 (>nC34)

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

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

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
349		Petroleum Hydrocarbons F2 (>nC10-nC16)
350		Petroleum Hydrocarbons F3 (>nC16-nC34)
351		Phosphorus (total)
352		Zinc or one or more of its compounds containing Zinc
373	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.	Arsenic or one or more of its compounds containing Arsenic
381		Mercury or one or more of its compounds containing Mercury
392	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 use in the area is high density residential land use.	Arsenic or one or more of its compounds containing Arsenic
393		Cadmium or one or more of its compounds containing Cadmium
395		Chromium VI
398		Lead or one or more of its compounds containing Lead
399		Mecoprop
400		Mercury or one or more of its compounds containing Mercury
401		Nickel or one or more of its compounds containing Nickel
402		Nitrogen
403		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
407		Petroleum Hydrocarbons F3 (>nC16-nC34)
410	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 100 hectares and the predominant land use in the area is high density residential land use.	Aluminum or one or more of its compounds containing Aluminum
411		Arsenic or one or more of its compounds containing Arsenic
412		Cadmium or one or more of its compounds containing Cadmium
413		Chloride
414		Chromium VI
415		Copper or one or more of its compounds containing Copper

**A blank cell indicates the text is the same as previous cells**



**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, 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
416		Glyphosate
417		Lead or one or more of its compounds containing Lead
418		Mecoprop
419		Mercury or one or more of its compounds containing Mercury
420		Nickel or one or more of its compounds containing Nickel
421		Nitrogen
422		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
423		Petroleum Hydrocarbons F1 (nC6-nC10)
424		Petroleum Hydrocarbons F4 (>nC34)
425		Petroleum Hydrocarbons F2 (>nC10-nC16)
426		Petroleum Hydrocarbons F3 (>nC16-nC34)
427		Phosphorus (total)
428		Zinc or one or more of its compounds containing Zinc
449	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.	Arsenic or one or more of its compounds containing Arsenic
450		Cadmium or one or more of its compounds containing Cadmium
452		Chromium VI
455		Lead or one or more of its compounds containing Lead
456		Mecoprop
457		Mercury or one or more of its compounds containing Mercury
460		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
467	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 industrial or commercial.	Aluminum or one or more of its compounds containing Aluminum
468		Arsenic or one or more of its compounds containing Arsenic

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, 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
469		Cadmium or one or more of its compounds containing Cadmium
470		Chloride
471		Chromium VI
472		Copper or one or more of its compounds containing Copper
473		Glyphosate
474		Lead or one or more of its compounds containing Lead
475		Mecoprop
476		Mercury or one or more of its compounds containing Mercury
477		Nickel or one or more of its compounds containing Nickel
478		Nitrogen
479		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
480		Petroleum Hydrocarbons F1 (nC6-nC10)
481		Petroleum Hydrocarbons F4 (>nC34)
482		Petroleum Hydrocarbons F2 (>nC10-nC16)
483		Petroleum Hydrocarbons F3 (>nC16-nC34)
484		Phosphorus (total)
485		Zinc or one or more of its compounds containing Zinc
486	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 100 hectares and the predominant land uses in the area are industrial or commercial.	Aluminum or one or more of its compounds containing Aluminum
487		Arsenic or one or more of its compounds containing Arsenic
488		Cadmium or one or more of its compounds containing Cadmium
489		Chloride
490		Chromium VI
491		Copper or one or more of its compounds containing Copper

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, 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
492		Glyphosate
493		Lead or one or more of its compounds containing Lead
494		Mecoprop
495		Mercury or one or more of its compounds containing Mercury
496		Nickel or one or more of its compounds containing Nickel
497		Nitrogen
498		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
499		Petroleum Hydrocarbons F1 (nC6-nC10)
500		Petroleum Hydrocarbons F4 (>nC34)
501		Petroleum Hydrocarbons F2 (>nC10-nC16)
502		Petroleum Hydrocarbons F3 (>nC16-nC34)
503		Phosphorus (total)
504		Zinc or one or more of its compounds containing Zinc

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.** Threat Subcategory: Sewage System Or Sewage Works - Industrial Effluent Discharges

Ref #	Circumstances	Chemical
507	1.The system discharges to surface water and has as its primary function the collection, transmission or treatment of industrial sewage. 2.The system is not part of a facility for which the NPRI Notice requires a person to report.	Arsenic or one or more of its compounds containing Arsenic
510		Boron
511		Bromomethane
512		BTEX
516		Cadmium or one or more of its compounds containing Cadmium
517		Carbon Tetrachloride
519		Chloroform
520		Chromium VI

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.** Threat Subcategory: Sewage System Or Sewage Works - Industrial Effluent Discharges

Ref #	Circumstances	Chemical
521		Cobalt or one or more of its compounds containing Cobalt
523		Cyanide (CN-)
526		Dichloroethane-1,2
529		Hexachlorobenzene
530		Hexachlorobutadiene
531		Hexachloroethane
533		Hydroquinone
535		Lead or one or more of its compounds containing Lead
537		Mercury or one or more of its compounds containing Mercury
541		Molybdenum
543		Nickel or one or more of its compounds containing Nickel
544		Nitrogen
545		Nitrosodimethylamine-N (NDMA)
546		one or more Adsorbable Organic Halides (AOXs)
547		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
548		Pentachlorobenzene
552		Petroleum Hydrocarbons F3 (>nC16-nC34)
555		Selenium or one or more of its compounds containing Selenium
556		Silver or one or more of its compounds containing Silver
557		Sodium fluoride
560		Tetrachlorobenzene-1,2,4,5
561		Tetrachloroethylene (PCE)
562		Trichlorobenzene-1,2,4
563		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.** Threat Subcategory: Sewage System Or Sewage Works - Industrial Effluent Discharges

Ref #	Circumstances	Chemical
564		Tritium
565		Vanadium
566		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
568	1.The system discharges to surface water and has as its primary function the collection, transmission or treatment of industrial sewage. 2.The system is part of a facility for which the NPRI Notice requires a person to report and the report must include information in relation to a substance listed in Group 1, 2, 3 or 4 of Part 1 of Schedule 1 or Part 2 of Schedule 1 of the notice.	Acrylonitrile
569		Aluminum or one or more of its compounds containing Aluminum
570		Arsenic or one or more of its compounds containing Arsenic
571		Biphenyl-1,1'
572		Bis(2-ethylhexyl) phthalate
573		Boron
574		Bromomethane
575		BTEX
576		Butoxyethanol-2
577		Butyl-n alcohol
578		Butyl-tert alcohol
579		Cadmium or one or more of its compounds containing Cadmium
580		Carbon Tetrachloride
581		Chloride
582		Chloroform
583		Chromium VI
584		Cobalt or one or more of its compounds containing Cobalt
585		Copper or one or more of its compounds containing Copper
586		Cyanide (CN-)
587		Dichlorobenzene-1,2 (ortho)
588		Dichlorobenzene-1,4 (para)
589		Dichloroethane-1,2
590		Ethylene Glycol

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.** Threat Subcategory: Sewage System Or Sewage Works - Industrial Effluent Discharges

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
591		Formaldehyde
592		Hexachlorobenzene
593		Hexachlorobutadiene
594		Hexachloroethane
595		Hydrazine or its salts
596		Hydroquinone
597		Iron
598		Lead or one or more of its compounds containing Lead
599		Manganese or one or more of its compounds containing Manganese
600		Mercury or one or more of its compounds containing Mercury
601		Methanol
602		Methyl ethyl ketone
603		Methylene chloride (Dichloromethane)
604		Molybdenum
605		Naphthalene
606		Nickel or one or more of its compounds containing Nickel
607		Nitrogen
608		Nitrosodimethylamine-N (NDMA)
609		one or more Adsorbable Organic Halides (AOXs)
610		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
611		Pentachlorobenzene
612		Petroleum Hydrocarbons F1 (nC6-nC10)
613		Petroleum Hydrocarbons F4 (>nC34)
614		Petroleum Hydrocarbons F2 (>nC10-nC16)
615		Petroleum Hydrocarbons F3 (>nC16-nC34)

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Industrial Effluent Discharges**

Ref #	Circumstances	Chemical
616		Phenol (or its salts)
617		Phosphorus (total)
618		Selenium or one or more of its compounds containing Selenium
619		Silver or one or more of its compounds containing Silver
620		Sodium fluoride
621		Styrene
622		Sulphide (Hydrogen)
623		Tetrachlorobenzene-1,2,4,5
624		Tetrachloroethylene (PCE)
625		Trichlorobenzene-1,2,4
626		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
627		Tritium
628		Vanadium
629		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
630		Zinc or one or more of its compounds containing Zinc

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage. Threat Subcategory: Sewage System Or Sewage Works - Sewage treatment plant bypass discharge to surface water**

Ref #	Circumstances	Chemical
746	1.The system is a wastewater treatment facility that may discharge sanitary sewage containing human waste to surface water by way of a designed bypass. 2.The wastewater treatment facility is designed to discharge treated sanitary sewage at an average daily rate that is more than 2,500 but not more than 17,500 cubic metres on an annual basis.	Cadmium or one or more of its compounds containing Cadmium
748		Hexachlorobenzene
749		Lead or one or more of its compounds containing Lead
750		Mercury or one or more of its compounds containing Mercury
753		one or more Polychlorinated Biphenyls (PCBs)
758	1.The system is a wastewater treatment facility that may discharge sanitary sewage containing human waste to surface water by way of a designed bypass. 2.The wastewater treatment facility is designed to discharge treated sanitary sewage at an average daily rate that is more than 17,500 but not more than 50,000 cubic metres on an annual basis.	BTEX

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.**

**Threat Subcategory: Sewage System Or Sewage Works - Sewage treatment plant bypass discharge to surface water**

Ref #	Circumstances	Chemical
759		Cadmium or one or more of its compounds containing Cadmium
760		Copper or one or more of its compounds containing Copper
761		Hexachlorobenzene
762		Lead or one or more of its compounds containing Lead
763		Mercury or one or more of its compounds containing Mercury
764		Nitrogen
765		Nitrosodimethylamine-N (NDMA)
766		one or more Polychlorinated Biphenyls (PCBs)
767		Pentachlorophenol
768		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
769		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
770		Zinc or one or more of its compounds containing Zinc
771	1.The system is a wastewater treatment facility that may discharge sanitary sewage containing human waste to surface water by way of a designed bypass. 2.The wastewater treatment facility is designed to discharge treated sanitary sewage at an average daily rate that is more than 50,000 cubic metres on an annual basis.	BTEX
772		Cadmium or one or more of its compounds containing Cadmium
773		Copper or one or more of its compounds containing Copper
774		Hexachlorobenzene
775		Lead or one or more of its compounds containing Lead
776		Mercury or one or more of its compounds containing Mercury
777		Nitrogen
778		Nitrosodimethylamine-N (NDMA)
779		one or more Polychlorinated Biphenyls (PCBs)
780		Pentachlorophenol

**A blank cell indicates the text is the same as previous cells**



**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.**

**Threat Subcategory: Sewage System Or Sewage Works - Sewage treatment plant bypass discharge to surface water**

Ref #	Circumstances	Chemical
781		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
782		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
783		Zinc or one or more of its compounds containing Zinc

**The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.**

**Threat Subcategory: Sewage System Or Sewage Works - Sewage Treatment Plant Effluent Discharges (Includes Lagoons)**

Ref #	Circumstances	Chemical
832	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 2,500 but not more than 17,500 cubic metres on an annual basis.	Antimony or one or more of its compounds containing Antimony
833		Arsenic or one or more of its compounds containing Arsenic
836		Cadmium or one or more of its compounds containing Cadmium
838		Chromium VI
846		Lead or one or more of its compounds containing Lead
847		MCPA (2-methyl-4-chlorophenoxyacetic acid )
848		Mercury or one or more of its compounds containing Mercury
856	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 17,500 but not more than 50,000 cubic metres on an annual basis.	Antimony or one or more of its compounds containing Antimony
857		Arsenic or one or more of its compounds containing Arsenic
858		Barium
859		BTEX
860		Cadmium or one or more of its compounds containing Cadmium
861		Chlorophenol-2
862		Chromium VI
863		Copper or one or more of its compounds containing Copper
864		Cyanide (CN-)

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

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

Ref #	Circumstances	Chemical
865		Dibutyl phthalate
867		Dichlorobenzene-1,4 (para)
868		Dichlorophenol-2,4
869		Ethylene Glycol
870		Lead or one or more of its compounds containing Lead
871		MCPA (2-methyl-4-chlorophenoxyacetic acid )
872		Mercury or one or more of its compounds containing Mercury
873		Nickel or one or more of its compounds containing Nickel
874		Nitrogen
875		Nitrosodimethylamine-N (NDMA)
877		Phosphorus (total)
878		Silver or one or more of its compounds containing Silver
879		Zinc or one or more of its compounds containing Zinc
880	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 50,000 cubic metres on an annual basis.	Antimony or one or more of its compounds containing Antimony
881		Arsenic or one or more of its compounds containing Arsenic
882		Barium
883		BTEX
884		Cadmium or one or more of its compounds containing Cadmium
885		Chlorophenol-2
886		Chromium VI
887		Copper or one or more of its compounds containing Copper
888		Cyanide (CN-)
889		Dibutyl phthalate
890		Dichlorobenzene-1,2 (ortho)
891		Dichlorobenzene-1,4 (para)

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

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

Ref #	Circumstances	Chemical
892		Dichlorophenol-2,4
893		Ethylene Glycol
894		Lead or one or more of its compounds containing Lead
895		MCPA (2-methyl-4-chlorophenoxyacetic acid )
896		Mercury or one or more of its compounds containing Mercury
897		Nickel or one or more of its compounds containing Nickel
898		Nitrogen
899		Nitrosodimethylamine-N (NDMA)
900		Phenol (or its salts)
901		Phosphorus (total)
902		Silver or one or more of its compounds containing Silver
903		Zinc or one or more of its compounds containing Zinc

**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
1060	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 50,000 cubic metres on an annual basis.	Cadmium or one or more of its compounds containing Cadmium
1064		Mercury or one or more of its compounds containing Mercury
1070		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
1086	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 more than 50,000 cubic metres on an annual basis.	Cadmium or one or more of its compounds containing Cadmium
1090		Mercury or one or more of its compounds containing Mercury
1096		Vinyl chloride or another DNAPL that could degrade to vinyl chloride

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The handling and storage of a dense non-aqueous phase liquid.**

**Threat Subcategory: Storage Of A Dense Non Aqueous Phase Liquid (DNAPL)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1098	1. The storage of a DNAPL at or above grade.	Dioxane-1,4
1099		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
1100		Tetrachloroethylene (PCE)
1101		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
1102		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
1108	1. The storage of a DNAPL if a portion, but not all, of the storage is below grade.	Dioxane-1,4
1109		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
1110		Tetrachloroethylene (PCE)
1111		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
1112		Vinyl chloride or another DNAPL that could degrade to vinyl chloride

**The handling and storage of pesticide.**

**Threat Subcategory: Storage Of A Pesticide**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1173	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 250 but not more than 2,500 kilograms.	MCPA (2-methyl-4-chlorophenoxyacetic acid )
1175		Mecoprop
1184	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 2,500 kilograms.	MCPA (2-methyl-4-chlorophenoxyacetic acid )
1186		Mecoprop
1190	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 2,500 kilograms.	Atrazine
1191		Dicamba
1192		Dichlorophenoxy Acetic Acid (D-2,4)
1193		Dichloropropene-1,3
1195		MCPA (2-methyl-4-chlorophenoxyacetic acid )
1196		MCPB (4-(4-chloro-2-methylphenoxy)butanoic acid )
1197		Mecoprop

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The handling and storage of pesticide.**

**Threat Subcategory: Storage Of A Pesticide**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1198		Metalaxyl
1200		Pendimethalin

**The storage of agricultural source material.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1209	1.The agricultural source material is stored at or above grade in or on a permanent nutrient storage facility. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 0.5, but not more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1210		Phosphorus (total)
1211	1.The agricultural source material is stored at or above grade on a temporary field nutrient storage site. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 0.5, but not more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1212		Phosphorus (total)
1215	1.A portion, but not all, of the agricultural source material is stored above grade in or on a permanent nutrient storage facility. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 0.5, but not more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1216		Phosphorus (total)
1217	1.The agricultural source material is stored at or above grade in or on a permanent nutrient storage facility. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1218		Phosphorus (total)
1219	1.The agricultural source material is stored at or above grade on a temporary field nutrient storage site. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1220		Phosphorus (total)
1223	1.A portion, but not all, of the agricultural source material is stored above grade in or on a permanent nutrient storage facility. 2.The weight or volume of manure stored annually on a farm unit is sufficient to annually land apply agricultural source material at a rate that is more than 1.0 nutrient unit per acre of the farm units.	Nitrogen
1224		Phosphorus (total)

**The handling and storage of an organic solvent.**

**Threat Subcategory: Storage Of An Organic Solvent**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1249	1.The organic solvent is stored in a container at or above grade. 2.The quantity of organic solvent stored is more than 250, but not more than 2,500 litres.	Carbon Tetrachloride
1257	1.The organic solvent is stored in a container a part of which, but not all, is below grade. 2.The quantity of organic solvent stored is more than 250, but not more than 2,500 litres.	
1261	1.The organic solvent is stored in a container at or above grade. 2.The quantity of organic solvent stored is more than 2,500 litres.	Carbon Tetrachloride
1262		Chloroform
1263		Methylene Chloride (Dichloromethane)
1264		Pentachlorophenol
1269	1.The organic solvent is stored in a container a part of which, but not all, is below grade. 2.The quantity of organic solvent stored is more than 2,500 litres.	Carbon Tetrachloride
1270		Chloroform

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant****The handling and storage of an organic solvent.****Threat Subcategory: Storage Of An Organic Solvent**

Ref #	Circumstances	Chemical
1271		Methylene Chloride (Dichloromethane)
1272		Pentachlorophenol

**The handling and storage of commercial fertilizer.****Threat Subcategory: Storage Of Commercial Fertilizer**

Ref #	Circumstances	Chemical
1287	1.The commercial fertilizer is stored for retail sale or in relation to its application. 2.The total mass of all materials stored that contain the commercial fertilizer, in any form including liquid or solid, is more than 2,500 kilograms.	Nitrogen
1288		Phosphorus (total)

**The handling and storage of fuel.****Threat Subcategory: Storage Of Fuel**

Ref #	Circumstances	Chemical
1384	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 more than 2,500 litres.	BTEX
1385		Petroleum Hydrocarbons F1 (nC6-nC10)
1399	1.The storage of liquid fuel in a tank, a part of which, but not all, is below 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 more than 2,500 litres.	BTEX
1400		Petroleum Hydrocarbons F1 (nC6-nC10)

**The handling and storage of non-agricultural source material.****Threat Subcategory: Storage of Non-Agricultural Source Material (NASM)**

Ref #	Circumstances	Chemical
1417	1.The non-agricultural source material is stored at or above grade in or on a permanent nutrient storage facility. 2.The mass of nitrogen in the non-agricultural source material stored is at least 0.5 tonnes but not more than 5 tonnes.	Nitrogen
1418		Phosphorus (total)
1419	1.The non-agricultural source material is stored at or above grade on a temporary field nutrient storage site. 2.The mass of nitrogen in the non-agricultural source material stored is at least 0.5 tonnes but not more than 5 tonnes.	Nitrogen
1420		Phosphorus (total)
1423	1.A portion, but not all, of the non-agricultural source material is stored above grade in or on a permanent nutrient storage facility. 2.The mass of nitrogen in the non-agricultural source material stored is at least 0.5 tonnes but not more than 5 tonnes.	Nitrogen
1424		Phosphorus (total)
1425	1.The non-agricultural source material is stored at or above grade in or on a permanent nutrient storage facility. 2.The mass of nitrogen in the non-agricultural source material stored is more than 5 tonnes.	Nitrogen
1426		Phosphorus (total)
1427	1.The non-agricultural source material is stored at or above grade on a temporary field nutrient storage site. 2.The mass of nitrogen in the non-agricultural source material stored is more than 5 tonnes.	Nitrogen
1428		Phosphorus (total)

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The handling and storage of non-agricultural source material.**

**Threat Subcategory: Storage of Non-Agricultural Source Material (NASM)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1431	1.A portion, but not all, of the non-agricultural source material is stored above grade in or on a permanent nutrient storage facility. 2.The mass of nitrogen in the non-agricultural source material stored is more than 5 tonnes.	Nitrogen
1432		Phosphorus (total)

**The handling and storage of road salt.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1437	1.The storage of road salt in a manner that may result in its exposure to precipitation or runoff from precipitation or snow melt. 2.The quantity stored is at least 500, but not more than 5,000 tonnes.	Chloride
1438		Sodium
1441	1.The storage of road salt in a manner that may result in its exposure to precipitation or runoff from precipitation or snow melt. 2.The quantity stored is more than 5,000 tonnes.	Chloride
1442		Sodium

**The storage of snow.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1447	1.The snow is stored at or above grade. 2.The area upon which snow is stored is at least 0.01, but not more than 0.5 hectares.	Cyanide (CN-)
1448		Lead or one or more of its compounds containing Lead
1449		Nitrogen
1467	1.The snow is stored at or above grade. 2.The area upon which snow is stored is more than 0.5, but not more than 1 hectares.	Chloride
1468		Copper or one or more of its compounds containing Copper
1469		Cyanide (CN-)
1470		Lead or one or more of its compounds containing Lead
1471		Nitrogen
1472		Petroleum Hydrocarbons F1 (nC6-nC10)
1476		Sodium
1477		Zinc or one or more of its compounds containing Zinc
1489	1.The snow is stored at or above grade. 2.The area upon which snow is stored is more than 1, but not more than 5 hectares.	Chloride
1490		Copper or one or more of its compounds containing Copper
1491		Cyanide (CN-)
1492		Lead or one or more of its compounds containing Lead
1493		Nitrogen

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The storage of snow.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1494		Petroleum Hydrocarbons F1 (nC6-nC10)
1495		Petroleum Hydrocarbons F4 (>nC34)
1496		Petroleum Hydrocarbons F2 (>nC10-nC16)
1497		Petroleum Hydrocarbons F3 (>nC16-nC34)
1498		Sodium
1499		Zinc or one or more of its compounds containing Zinc
1511	1.The snow is stored at or above grade. 2.The area upon which snow is stored is more than 5 hectares.	Chloride
1512		Copper or one or more of its compounds containing Copper
1513		Cyanide (CN-)
1514		Lead or one or more of its compounds containing Lead
1515		Nitrogen
1516		Petroleum Hydrocarbons F1 (nC6-nC10)
1517		Petroleum Hydrocarbons F4 (>nC34)
1518		Petroleum Hydrocarbons F2 (>nC10-nC16)
1519		Petroleum Hydrocarbons F3 (>nC16-nC34)
1520		Sodium
1521		Zinc or one or more of its compounds containing Zinc

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

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1546	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.	Arsenic or one or more of its compounds containing Arsenic
1552		Mercury or one or more of its compounds containing Mercury
1572	1.Tailings from mining operations are stored using an impoundment structure located on the surface. 2.The site is part of a facility for which the NPRI Notice requires a person to report and the report must include information in relation to a substance listed in Group 1, 2, 3 or 4 of Part 1 of Schedule 1 or Part 2 of Schedule 1 of the notice.	Arsenic or one or more of its compounds containing Arsenic

**A blank cell indicates the text is the same as previous cells**



**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant****The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.      Threat Subcategory: Storage, Treatment And Discharge Of Tailings From Mines**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1573		Cadmium or one or more of its compounds containing Cadmium
1574		Chromium VI
1575		Copper or one or more of its compounds containing Copper
1576		Cyanide (CN-)
1577		Lead or one or more of its compounds containing Lead
1578		Mercury or one or more of its compounds containing Mercury
1579		Nickel or one or more of its compounds containing Nickel
1580		Nitrogen
1581		Phosphorus (total)
1582		Silver or one or more of its compounds containing Silver
1583		Sulphide (Hydrogen)
1584		Zinc or one or more of its compounds containing Zinc

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.      Threat Subcategory: Waste Disposal Site - Landfarming Of Petroleum Refining Waste**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1591	1.The land disposal of petroleum refining waste within the meaning of clause (d) of the definition of "land disposal" in section 1 of Regulation 347 (General - Waste Management) R.R.O. 1990 made under the Environmental Protection Act, is undertaken at the site. 2.The area where the land disposal is undertaken is more than 1, but not more than 10 hectares.	BTEX
1592		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
1593		Petroleum Hydrocarbons F1 (nC6-nC10)
1597	1.The land disposal of petroleum refining waste within the meaning of clause (d) of the definition of "land disposal" in section 1 of Regulation 347 (General - Waste Management) R.R.O. 1990 made under the Environmental Protection Act, is undertaken at the site. 2.The area where the land disposal is undertaken is more than 10 hectares.	BTEX
1598		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
1599		Petroleum Hydrocarbons F1 (nC6-nC10)
1600		Petroleum Hydrocarbons F4 (>nC34)

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant****The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.****Threat Subcategory: Waste Disposal Site - Landfarming Of Petroleum Refining Waste**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1601		Petroleum Hydrocarbons F2 (>nC10-nC16)
1602		Petroleum Hydrocarbons F3 (>nC16-nC34)

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.****Threat Subcategory: Waste Disposal Site - Landfilling (Hazardous Waste)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1615	1.The land disposal of hazardous waste, liquid industrial waste, or processed liquid industrial waste, within the meaning of clauses (a) and (b) of the definition of "land disposal" in section 1 of Regulation 347, R.R.O. 1990 (General - Waste Management) made under the Environmental Protection Act, is undertaken at the site. 2.The fill area is at least 1 but not more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1617		Cadmium or one or more of its compounds containing Cadmium
1618		Chromium VI
1621		Mercury or one or more of its compounds containing Mercury
1626		Uranium
1627	1.The land disposal of hazardous waste, liquid industrial waste, or processed liquid industrial waste, within the meaning of clauses (a) and (b) of the definition of "land disposal" in section 1 of Regulation 347, R.R.O. 1990 (General - Waste Management) made under the Environmental Protection Act, is undertaken at the site. 2.The fill area is more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1628		Barium
1629		Cadmium or one or more of its compounds containing Cadmium
1630		Chromium VI
1631		Dichlorophenoxy Acetic Acid (D-2,4)
1632		Lead or one or more of its compounds containing Lead
1633		Mercury or one or more of its compounds containing Mercury
1634		one or more Polychlorinated Biphenyls (PCBs)
1635		Selenium or one or more of its compounds containing Selenium
1636		Silver or one or more of its compounds containing Silver
1637		Trichlorophenoxyacetic acid-2,4,5
1638		Uranium

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act. Threat Subcategory: Waste Disposal Site - Landfilling (Municipal Waste)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1651	1.The land disposal of municipal waste, within the meaning of clauses (a) and (b) of the definition of "land disposal" in section 1 of Regulation 347 (General - Waste Management) made under the Environmental Protection Act, is undertaken at the site. 2.The fill area is at least 1 but not more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1654		Cadmium or one or more of its compounds containing Cadmium
1657		Mercury or one or more of its compounds containing Mercury
1661		Uranium
1662		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
1663	1.The land disposal of municipal waste, within the meaning of clauses (a) and (b) of the definition of "land disposal" in section 1 of Regulation 347 (General - Waste Management) made under the Environmental Protection Act, is undertaken at the site. 2.The fill area is more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1664		Barium
1665		BTEX
1666		Cadmium or one or more of its compounds containing Cadmium
1667		Dichlorobenzene-1,4 (para)
1668		Lead or one or more of its compounds containing Lead
1669		Mercury or one or more of its compounds containing Mercury
1670		Nitrogen
1671		Selenium or one or more of its compounds containing Selenium
1672		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
1673		Uranium
1674		Vinyl chloride or another DNAPL that could degrade to vinyl chloride

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act. Threat Subcategory: Waste Disposal Site - Landfilling (Solid Non Hazardous Industrial or Commercial)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1687	1.The land disposal of industrial waste or commercial 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 Protection Act, is undertaken at the site. 2.The fill area is at least 1 but not more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1690		Cadmium or one or more of its compounds containing Cadmium

A blank cell indicates the text is the same as previous cells

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**

**Threat Subcategory: Waste Disposal Site - Landfilling (Solid Non Hazardous Industrial or Commercial)**

Ref #	Circumstances	Chemical
1693		Mercury or one or more of its compounds containing Mercury
1697		Uranium
1698		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
1699	1.The land disposal of industrial waste or commercial 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 Protection Act, is undertaken at the site. 2.The fill area is more than 10 hectares.	Arsenic or one or more of its compounds containing Arsenic
1700		Barium
1701		BTEX
1702		Cadmium or one or more of its compounds containing Cadmium
1703		Dichlorobenzene-1,4 (para)
1704		Lead or one or more of its compounds containing Lead
1705		Mercury or one or more of its compounds containing Mercury
1706		Nitrogen
1707		Selenium or one or more of its compounds containing Selenium
1708		Trichloroethylene or another DNAPL that could degrade to Trichloroethylene
1709		Uranium
1710		Vinyl chloride or another DNAPL that could degrade to vinyl chloride

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**

**Threat Subcategory: Waste Disposal Site - PCB Waste Storage**

Ref #	Circumstances	Chemical
1883	1.PCB waste is stored in an outdoor area and not in a container. 2.The PCB waste is stored at a PCB waste disposal site as described in Section 3 of Regulation 362 (Waste Management – PCBs), R.R.O. 1990, made under the Environmental Protection Act or was delivered to a site under written instructions of a Director in accordance with clause 8(a) of that regulation.	one or more Polychlorinated Biphenyls (PCBs)

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**

**Threat Subcategory: Waste Disposal Site - Storage Of Hazardous Waste At Disposal Sites**

Ref #	Circumstances	Chemical
1884	1. Hazardous waste or liquid industrial waste is stored at or above grade.	Arsenic or one or more of its compounds containing Arsenic

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**      **Threat Subcategory: Waste Disposal Site - Storage Of Hazardous Waste At Disposal Sites**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1885		Barium
1886		Cadmium or one or more of its compounds containing Cadmium
1887		Chromium VI
1888		Dichlorophenoxy Acetic Acid (D-2,4)
1889		Lead or one or more of its compounds containing Lead
1890		Mercury or one or more of its compounds containing Mercury
1891		Selenium or one or more of its compounds containing Selenium
1892		Silver or one or more of its compounds containing Silver
1893		Trichlorophenoxyacetic acid-2,4,5
1904	1. Hazardous waste or liquid industrial waste is stored, and a portion, but not all of the waste is stored below grade.	Arsenic or one or more of its compounds containing Arsenic
1905		Barium
1906		Cadmium or one or more of its compounds containing Cadmium
1907		Chromium VI
1908		Dichlorophenoxy Acetic Acid (D-2,4)
1909		Lead or one or more of its compounds containing Lead
1910		Mercury or one or more of its compounds containing Mercury
1911		Selenium or one or more of its compounds containing Selenium
1912		Silver or one or more of its compounds containing Silver
1913		Trichlorophenoxyacetic acid-2,4,5

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**      **Threat Subcategory: Waste Disposal Site - Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1914	1. A site that is not approved to accept hazardous waste or liquid industrial waste but accepts a waste described in clause (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste as defined in Regulation 347 (General - Waste Management) made under the Environmental Protection Act, or in clause (d) of the definition of liquid industrial waste in that regulation, and stores the waste at or above grade.	Arsenic or one or more of its compounds containing Arsenic

**A blank cell indicates the text is the same as previous cells**

**PROVINCIAL TABLE 19 (CIPZ10S): Chemicals in an IPZ with a vulnerability of 10 where threats are significant**

**The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.**

**Threat Subcategory: Waste Disposal Site - Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1916		Cadmium or one or more of its compounds containing Cadmium
1917		Chromium VI
1920		Mercury or one or more of its compounds containing Mercury
1934		Arsenic or one or more of its compounds containing Arsenic
1936		Cadmium or one or more of its compounds containing Cadmium
1937		Chromium VI
1940		Mercury or one or more of its compounds containing Mercury