

**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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)
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)
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
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>
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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

<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)
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>
67	1.The area of land to which the pesticide is applied is at least 1 hectare, but not more than 10 hectares.	Dicamba
71		MCPA (2-methyl-4-chlorophenoxyacetic acid )
73		Mecoprop
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
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**The application of road salt.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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>
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>
111	1. The above grade handling of a DNAPL in relation to its storage.	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

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

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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>
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)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

Ref #	Circumstances	Chemical
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
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
254		Hexachlorobenzene
255		Lead or one or more of its compounds containing Lead
256		Mercury or one or more of its compounds containing Mercury
259		one or more Polychlorinated Biphenyls (PCBs)
262		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
275		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
276		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 - Discharge Of Untreated Stormwater From A Stormwater Retention Pond**

Ref #	Circumstances	Chemical
335	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.	Arsenic or one or more of its compounds containing Arsenic
336		Cadmium or one or more of its compounds containing Cadmium
338		Chromium VI
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
346		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
350		Petroleum Hydrocarbons F3 (>nC16-nC34)
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
403		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
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
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)
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
468	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.	Arsenic or one or more of its compounds containing Arsenic
469		Cadmium or one or more of its compounds containing Cadmium
471		Chromium VI
474		Lead or one or more of its compounds containing Lead
475		Mecoprop
476		Mercury or one or more of its compounds containing Mercury

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
477		Nickel or one or more of its compounds containing Nickel
479		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
483		Petroleum Hydrocarbons F3 (>nC16-nC34)
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
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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>
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
516		Cadmium or one or more of its compounds containing Cadmium
520		Chromium VI
530		Hexachlorobutadiene
535		Lead or one or more of its compounds containing Lead
537		Mercury or one or more of its compounds containing Mercury
546		one or more Adsorbable Organic Halides (AOXs)
547		one or more Polycyclic Aromatic Hydrocarbons (PAHs)
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
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
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)

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
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)
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
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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

Ref #	Circumstances	Chemical
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
759		Cadmium or one or more of its compounds containing Cadmium
761		Hexachlorobenzene
762		Lead or one or more of its compounds containing Lead
763		Mercury or one or more of its compounds containing Mercury
766		one or more Polychlorinated Biphenyls (PCBs)
769		Vinyl chloride or another DNAPL that could degrade to vinyl chloride
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
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

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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)**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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
859		BTEX
860		Cadmium or one or more of its compounds containing Cadmium
862		Chromium VI
864		Cyanide (CN-)
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
878		Silver or one or more of its compounds containing Silver
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)
892		Dichlorophenol-2,4

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**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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
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 handling and storage of a dense non-aqueous phase liquid.** Threat Subcategory: Storage Of A Dense Non Aqueous Phase Liquid (DNAPL)

Ref #	Circumstances	Chemical
1102	1. The storage of a DNAPL at or above grade.	Vinyl chloride or another DNAPL that could degrade to vinyl chloride
1112	1. The storage of a DNAPL if a portion, but not all, of the storage is below grade.	

**The handling and storage of pesticide.** Threat Subcategory: Storage Of A Pesticide

Ref #	Circumstances	Chemical
1191	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.	Dicamba
1195		MCPA (2-methyl-4-chlorophenoxyacetic acid )
1197		Mecoprop

**The storage of agricultural source material.**

Ref #	Circumstances	Chemical
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

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

**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**The storage of agricultural source material.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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>
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
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.	

**The handling and storage of fuel.**

**Threat Subcategory: Storage Of Fuel**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
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
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

**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>
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)
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>
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

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

**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**The storage of snow.**

<b>Ref #</b>	<b>Circumstances</b>	<b>Chemical</b>
1470	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.	Lead or one or more of its compounds containing Lead
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
1491		Cyanide (CN-)
1492		Lead or one or more of its compounds containing Lead
1493		Nitrogen
1498		Sodium
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>
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
1573		Cadmium or one or more of its compounds containing Cadmium
1574		Chromium VI
1576		Cyanide (CN-)
1577		Lead or one or more of its compounds containing Lead

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

**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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**

Ref #	Circumstances	Chemical
1578		Mercury or one or more of its compounds containing Mercury
1579		Nickel or one or more of its compounds containing Nickel
1582		Silver or one or more of its compounds containing Silver

**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**

Ref #	Circumstances	Chemical
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
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)
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)**

Ref #	Circumstances	Chemical
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
1629		Cadmium or one or more of its compounds containing Cadmium
1630		Chromium VI
1632		Lead or one or more of its compounds containing Lead
1633		Mercury or one or more of its compounds containing Mercury
1635		Selenium or one or more of its compounds containing Selenium

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



**PROVINCIAL TABLE 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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)

Ref #	Circumstances	Chemical
1638		Uranium

**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)

Ref #	Circumstances	Chemical
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
1665		BTEX
1666		Cadmium or one or more of its compounds containing Cadmium
1668		Lead or one or more of its compounds containing Lead
1669		Mercury or one or more of its compounds containing Mercury
1671		Selenium or one or more of its compounds containing Selenium
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)

Ref #	Circumstances	Chemical
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
1701		BTEX
1702		Cadmium or one or more of its compounds containing Cadmium
1704		Lead or one or more of its compounds containing Lead
1705		Mercury or one or more of its compounds containing Mercury
1707		Selenium or one or more of its compounds containing Selenium
1709		Uranium
1710		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 28 (CIPZWE7M): Chemicals in an IPZ or WHPA E where the vulnerability score is 7 where threats are moderate**

**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>
1884	1. Hazardous waste or liquid industrial waste is stored at or above grade.	Arsenic or one or more of its compounds containing Arsenic
1886		Cadmium or one or more of its compounds containing Cadmium
1887		Chromium VI
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
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
1906		Cadmium or one or more of its compounds containing Cadmium
1907		Chromium VI
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