Ontario Regulation 558/00

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This amendment to Regulation 347 (Waste Management) applies exclusively to hazardous and liquid industrial waste. It takes the "mixing rule" one step further so as to specify that a material that is "derived from" a waste in certain particular categories of hazardous or liquid industrial waste, is considered to remain a waste in that same category. This "derived from rule" does not apply if the resultant material has been formally delisted (Schedule 1.1, 2.1 or 2.2) or has been produced in accordance with a certificate of approval which specifies a different categorization of the produced material.

In addition, the amendment updates the schedules of hazardous wastes (Schedule 1, Schedule 2, Part A and Part B and Schedule 4) and also revokes the current out-dated leaching test and replaces it with the Toxicity Characteristic Leaching Procedure (TCLP test).

Note: This amendment takes effect March 31, 2001 with the exception of section 3, which takes effect immediately. Section 3 corrects a clerical error in s. 23(2) of Regulation 347.

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Ontario Regulation 558/00

REGULATION TO AMEND
REGULATION 347 OF THE REVISED REGULATIONS OF ONTARIO, 1990
MADE UNDER THE
ENVIRONMENTAL PROTECTION ACT

Note: Since the end of 1998, Regulation 347 has been amended by Ontario Regulation 460/99. Previous amendments are listed in the Table of Regulations in the Statutes of Ontario, 1998.

1. (1) The definition of "acute hazardous waste chemical" in section 1 of Regulation 347 of the Revised Regulations of Ontario, 1990 is amended by striking out "or" at the end of clause (a), by adding "or" at the end of clause (b) and by adding the following clause:

(c) a waste derived from a waste referred to in clause (a), unless,

(i) the waste that is derived from the waste referred to in clause (a) is listed in Schedule 2.1, or

(ii) the waste that is derived from the waste referred to in clause (a) is produced in accordance with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of the acute hazardous waste chemical from which it was derived;

(2) The definition of "Director" in section 1 of the Regulation is revoked and the following substituted:

"Director" means the Director of the Waste Management Policy Branch of the Ministry and includes an alternate named by him or her;

(3) Section 1 of the Regulation is amended by adding the following definition:

"electroplating" includes common and precious metal electroplating, anodizing, chemical etching and milling, and includes cleaning and stripping associated with common and precious metal electroplating, anodizing, chemical etching and milling, but does not include chromating, phosphating, immersion plating, colouring or other chemical conversion coating, electroless plating or printed circuit board manufacturing;

(4) The definition of "hazardous industrial waste" in section 1 of the Regulation is amended by striking out "or" at the end of clause (a), by adding "or" at the end of clause (b) and by adding the following clause:

(c) a waste derived from a waste referred to in clause (a), unless,

(i) the waste that is derived from the waste referred to in clause (a) is listed in Schedule 1.1, or

(ii) the waste that is derived from the waste referred to in clause (a) is produced in accordance with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of the hazardous industrial waste from which it was derived;

(5) The definition of "hazardous waste chemical" in section 1 of the Regulation is amended by striking out "or" at the end of clause (a), by adding "or" at the end of clause (b) and by adding the following clause:

(c) a waste derived from a waste referred to in clause (a), unless,

(i) the waste that is derived from the waste referred to in clause (a) is listed in Schedule 2.2, or

(ii) the waste that is derived from the waste referred to in clause (a) is produced in accordance with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of the hazardous waste chemical from which it was derived;

(6) The definition of "leachate toxic waste" in section 1 of the Regulation is revoked and the following substituted:

"leachate toxic waste" means a waste producing leachate containing any of the contaminants listed in Schedule 4 at a concentration equal to or in excess of the

concentration specified for that contaminant in Schedule 4 using the Toxicity Characteristic Leaching Procedure, Method 1311 that appears in the United States Environmental Protection Agency Publication SW-846 entitled "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", as amended from time to time, or an equivalent test method approved by the Director;

(7) The definition of "metal finishing" in section 1 of the Regulation is revoked.

(8) The definition of "pathological waste" in section 1 of the Regulation is amended by striking out "or" at the end of clause (c), by adding "or" at the end of clause (d) and by adding the following clause:

(e) a waste derived from a waste referred to in clause (a), (b) or (c), unless the waste that is derived from the waste referred to in clause (a), (b) or (c) is produced in accordance with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of pathological waste referred to in clause (a), (b) or (c);

(9) The definition of "radioactive waste" in section 1 of the Regulation is revoked and the following substituted:

"radioactive waste" includes,

(a) a mixture of radioactive waste and any other waste or material, and

(b) a waste derived from radioactive waste, unless the waste that is derived from the radioactive waste is produced in accordance with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of radioactive waste;

(10) Section 1 of the Regulation is amended by adding the following definition:

"Section 39 Director" means a Director appointed under section 5 of the Act for purposes of section 39 of the Act;

(11) The definition of "severely toxic waste" in section 1 of the Regulation is amended by striking out "or" at the end of clause (a), by adding "or" at the end of clause (b) and by adding the following clause:

(c) a waste derived from a waste referred to in clause (a), unless the waste that is derived from the waste referred to in clause (a) is produced in accordance

with a certificate of approval that states that, in the opinion of the Section 39 Director, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of severely toxic waste referred to in clause (a);

(12) Section 1 of the Regulation is amended by adding the following subsection:

(2) For the purpose of this Regulation, a waste is derived from a hazardous waste if it is produced from the hazardous waste by blending, stabilization, processing, treatment or disposal.

2. Subsection 18 (15) of the Regulation is revoked and the following substituted:

(15) For purposes of this section,

"liquid waste" means waste that has a slump of more than 150 millimetres using the Test Method for the Determination of Liquid Waste (slump test) set out in Schedule 5.

3. Subsection 23 (2) of the Regulation is revoked and the following substituted:

(2) Where subject waste is transferred to a waste transportation system by a generator,

(a) for each truckload or part thereof transferred, the carrier shall complete section B (Carrier) of an intact manifest and give the manifest, at the time of the transfer, to the generator; and

(b) for each truckload or part thereof transferred, the generator shall obtain from the carrier the intact manifest, with section B completed, and shall,

(i) at the time of the transfer, complete section A (Generator) in accordance with the Manual,

(ii) remove Copy 1 (White) and return it to the Director within three working days after the transfer,

(iii) remove Copy 2 (Green) and retain it for a period of two years, and

(iv) return the remaining four copies of the manifest to the carrier at the time of the transfer.

4. Schedules 1, 1.1 and 2 to the Regulation are revoked and the following substituted:

Schedule 1

HAZARDOUS INDUSTRIAL WASTES

Hazardous Industrial Waste from Non-Specific Sources

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
F001	NA9301	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002	NA9302	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloro-ethane; all spent solvent mixtures/blends containing, before use, a total of ten per cent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	NA9303	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	NA9304	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005	NA9305	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F006	NA9306	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
F007	NA9308	Spent cyanide plating bath solutions from electroplating operations
F008	NA9309	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.

F009	NA9310	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F010	NA9311	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.
F011	NA9312	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.
F012	NA9313	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.
F019	NA9307	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
F020		Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2,4,5- trichlorophenol.).
F021		Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.
F022		Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
F023		Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol.).
F024		Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in Schedules 2A or 2B.).
F025		Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.
F026		Wastes (except wastewater and spent carbon rom hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.

F027		Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.).
F028		Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026 and F027.
F032		Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with s. 261.35[1] or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F034		Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F035		Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F037		Petroleum refinery primary oil/water/solids separation sludge—Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in s. 261.31(b)(2)[1] (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under s. 261.4(a)(12)(i)[1], if those residuals are to be disposed of.

F038		Petroleum refinery secondary (emulsified) oil/water/solids separation sludge—Any sludge and/or float generated from the physical and/or chemical separation of oil/ water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in s. 261.31(b)(2)[1] (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.
F039		Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.).

Hazardous Industrial Waste from Specific Sources

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
Wood preservation:		
K001	NA9316	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
Inorganic pigments:		
K002	NA9317	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003	NA9318	Wastewater treatment sludge from the production of molybdate orange pigments.
K004	NA9319	Wastewater treatment sludge from the production of zinc yellow pigments.
K005	NA9320	Wastewater treatment sludge from the production of chrome green pigments.
K006	NA9321	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007	NA9322	Wastewater treatment sludge from the production of iron blue pigments.
K008	NA9323	Oven residue from the production of chrome oxide green pigments.
Organic chemicals:		
K009	NA9324	Distillation bottoms from the production of acetaldehyde from ethylene.
K010	NA9325	Distillation side cuts from the production of acetaldehyde from ethylene.
K011	NA9326	Bottom stream from the wastewater stripper in the production of acrylonitrile.
K013	NA9327	Bottom stream from the acetonitrile column in the production of acrylonitrile.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
K014	NA9328	Bottoms from the acetonitrile purification column in the production of acrylonitrile.
K015	NA9329	Still bottoms from the distillation of benzyl chloride.
K016	NA9330	Heavy ends or distillation residues from the production of carbon tetrachloride.
K017	NA9331	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
K018	NA9332	Heavy ends from the fractionation column in ethyl chloride production.
K019	NA9333	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.
K020	NA9334	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
K021	NA9335	Aqueous spent antimony catalyst waste from fluoromethanes production.
K022	NA9336	Distillation bottom tars from the production of phenol/acetone from cumene.
K023	NA9337	Distillation light ends from the production of phthalic anhydride from naphthalene.
K024	NA9338	Distillation bottoms from the production of phthalic anhydride from naphthalene.
K025	NA9341	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K026	NA9342	Stripping still tails from the production of methyl ethyl pyridines.
K027	NA9343	Centrifuge and distillation residues from toluene diisocyanate production.
K028	NA9344	Spent catalyst from the hydrochlorinator reactor in the productions of 1,1,1trichloroethane.
K029	NA9345	Waste from the product stream stripper in the production of 1,1,1trichloroethane.
K030	NA9348	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
K083	NA9349	Distillation bottoms from aniline production.
K085	NA9352	Distillation or fractionation column bottoms from the production of chlorobenzenes.
K093	NA9339	Distillation light ends from the production of phthalic anhydride from orthoxylene.
K094	NA9340	Distillation bottoms from the production of phthalic anhydride from orthoxylene.
K095	NA9346	Distillation bottoms from the production of 1,1,1trichloroethane.
K096	NA9347	Heavy ends from the heavy ends column from the production of 1,1,1trichloroethane.
K103	NA9350	Process residues from aniline extraction from the production of aniline.
K104	NA9351	Combined wastewater streams generated from nitrobenzene/aniline production.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
K105	NA9353	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
K107		Column bottoms from product separation from the production of 1,1-dimethyl-hydra-zine (UDMH) from carboxylic acid hydrazines.
K108		Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K109		Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K110		Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K111		Product washwaters from the production of dinitrotoluene via nitration of toluene
K112		Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
K113		Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K114		Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K115		Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K116		Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
K117		Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
K118		Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K136		Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K140		Floor sweepings, off-specification product and spent filter media from the production of 2,4,6-tribromophenol.
K149		Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the distillation of benzyl chloride.)
K150		Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
K151		Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
K156		Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2- propynyl n-butylcarbamate.).
K157		Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)
K158		Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).
K159		Organics from the treatment of thiocarbamate wastes
K161		Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126.)
Inorganic chemicals:		
K071	NA9390	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.
K073	NA9391	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
K106	NA9392	Wastewater treatment sludge from the mercury cell process in chlorine production.
Pesticides:		
K031	NA9354	Byproduct salts generated in the production of MSMA and cacodylic acid.
K032	NA9355	Wastewater treatment sludge from the production of chlordane.
K033	NA9356	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
K034	NA9357	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K035	NA9359	Wastewater treatment sludges generated in the production of creosote.
K036	NA9360	Still bottoms from toluene reclamation distillation in the production of disulphoton.
K037	NA9361	Wastewater treatment sludges from the production of disulphoton.
K038	NA9362	Wastewater from the washing and stripping of phorate production.
K039	NA9363	Filter cake from the filtration of diethyl phosphorodithioic acid in the production of phorate.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
K040	NA9364	Wastewater treatment sludge from the production of phorate.
K041	NA9365	Wastewater treatment sludge from the production of toxaphene.
K042	NA9367	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5T.
K043	NA9368	2, 6Dichlorophenol waste from the production of 2,4D.
K097	NA9358	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
K098	NA9366	Untreated process wastewater from the production of toxaphene.
K099	NA9369	Untreated wastewater from the production of 2, 4D.
K123		Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt.
K124		Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
K125		Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
K126		Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.
K131		Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K132		Spent absorbent and wastewater separator solids from the production of methyl bromide.
Explosives:		
K044	NA9370	Wastewater treatment sludges from the manufacturing and processing of explosives.
K045	NA9371	Spent carbon from the treatment of wastewater containing explosives.
K046	NA9372	Wastewater treatment sludges from the manufacturing formulation and loading of leadbased initiating compounds.
K047	NA9373	Pink/red water from TNT operations.
Petroleum refining:		
K048	NA9374	Dissolved air flotation (DAF) float from the petroleum refining industry.
K049	NA9375	Slop oil emulsion solids from the petroleum refining industry.
K050	NA9376	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051	NA9377	API separator sludge from the petroleum refining industry.
K052	NA9378	Tank bottoms (leaded) from the petroleum refining industry.
K169		Crude oil storage tank sediment from petroleum refining operations.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
K170		Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.
K171		Spent Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).
K172		Spent Hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).
Iron and steel:		
K061	NA9380	Emission control dust/sludge from the primary production of steel in electric furnaces.
K062	NA9381	Spent pickle liquor generated by steel finishing operations within the iron and steel industry at steel works, blast furnaces (including coke ovens), rolling mills, iron and steel foundries, gray and ductile iron foundries, malleable iron foundries, steel investment foundries or other miscellaneous steel foundries or at facilities in the electrometallurgical products (except steel) industry, steel wiredrawing and steel nails and spikes industry, cold-rolled steel sheet, strip and bars industry, or steel pipe and tubes industry.
Primary copper:		
K064	NA9383	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.
Primary lead:		
K065	NA9384	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
Primary zinc:		
K066	NA9385	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
Primary aluminum:		
K088		Spent potliners from primary aluminum reduction
Ferroalloys:		
K090		Emission control dust or sludge from ferrochromiumsilicon production
K091		Emission control dust or sludge from ferrochromium production
Secondary lead:		
K069	NA9388	Emission control dust/sludge from secondary lead smelting. (NOTE: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the Federal Register.
K100	NA9389	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.

USEPA HAZARDOUS WASTE NO.	INDUSTRY AND NO.	WASTE
Veterinary pharmaceuticals:		
K084	NA9394	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.
K101	NA9395	Distillation tar residues from the distillation of anilinebased compounds in the production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.
K102	NA9396	Residue from the use of activated carbon for decolourization in the production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.
Ink formulation:		
K086	NA9393	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
Coking:		
K060	NA9379	Ammonia still lime sludge from coking operations.
K087	NA9397	Decanter tank tar sludge from coking operations.
K141		Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).
K142		Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.
K143		Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
K144		Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
K145		Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
K147		Tar storage tank residues from coal tar refining.
K148		Residues from coal tar distillation, including but not limited to, still bottoms

[1] Resource Conservation and Recovery Act (RCRA), United States Congress, 42 U.S.C. s/s 6901 et seq. (1976),
Subtitle C, Code of Federal Regulations, 40CFR, Chapter I – Environmental Protection Agency, Subchapter I – Solid Wastes, Part 261 – Identification and Listing of Hazardous Waste

Schedule 1.1

EXEMPT HAZARDOUS INDUSTRIAL WASTES

INDUSTRY AND SITE	WASTE
ICI Canada Inc, Cornwall	Brine purification muds (known either as K071 or NO. NA9390, saturator and clarifier sludges only, without mixing with other wastes or materials) generated from mercury cells at the chloralkali chlorine plant.
Iron and steel industry, any site	Sludge generated by lime stabilization of spent pickle liquor (known either as K062 or NO. NA9381) generated by steel finishing operations within the iron and steel industry at steel works, blast furnaces (including coke ovens), rolling mills, iron and steel foundries, gray and ductile iron foundries, malleable iron foundries, steel investment foundries or other miscellaneous steel foundries or at facilities in the electrometallurgical products (except steel) industry, steel wiredrawing and steel nails and spikes industry, cold-rolled steel sheet, strip and bars industry, or steel pipe and tubes industry.
Iron and steel industry, any site	Nonwastewater residues, such as slag, resulting from high temperature metals recovery (HTMR) processing of K061 (known also as NO. NA9380) or K062 (known also as NO. NA9381) waste, in units identified as rotary kilns, flame reactors, electric furnaces, plasma arc furnaces, slag reactors, rotary hearth furnace/electric furnace combinations or industrial furnaces.
Electroplating industry, any site	Nonwastewater residues, such as slag, resulting from high temperature metals recovery (HTMR) processing of F006 (known also as NO. NA9306) waste, in units identified as rotary kilns, flame reactors, electric furnaces, plasma arc furnaces, slag reactors, rotary hearth furnace/electric furnace combinations or industrial furnaces.
Organic chemical industry, any site	Biological treatment sludge from the treatment of organic waste (K156) and wastewaters (K157) from the production of carbamates and carbamoyl oximes.
Petroleum refining industry, any site	Catalyst inert support media separated from spent hydrotreating catalyst (K171) or spent hydrorefining catalyst (K172).

Schedule 2

Part A - Acute Hazardous Waste Chemicals

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P026	5344-82-1	1-(o-Chlorophenyl)thiourea	ON1037
P081	55-63-0	1,2,3-Propanetriol, trinitrate	ON1089
P042	51-43-4	1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-	ON1025
P067	75-55-8	1,2-Propylenimine	ON1082
P185	26419-73-8	1,3-Dithiolane-2-carboxaldehyde, 2,4–dimethyl-, O-[(methylamino)-carbonyl]oxime	
P004	309-00-2	1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexa-chloro-1,4,4a, 5,8,8a,-hexahydro-,(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)	ON1010
P060	465-73-6	1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexa-chloro-1,4,4a, 5,8,8a-hexahydro-,(1alpha,4alpha,4abeta,5beta,8beta,8abeta)-	ON1070
P002	591-08-2	1-Acetyl-2-thiourea	ON1002
P048	51-28-5	2,4-Dinitrophenol	ON1055
P051	**72-20-8	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2 beta,2abeta,3alpha,6alpha,6 abeta,7beta, 7aalpha)-, & metabolites	ON1062
P037	60-57-1	2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1 a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2beta,2aalpha,3beta,6beta ,6a alpha,7beta, 7aalpha)-[b]oxirene, 3,4,5,6,9,9-hexachloro-	ON1043
P045	39196-18-4	2-Butanone,3,3-dimethyl-1-methylthio)-,O-[methylamino)carbon yl] oxime	ON1049
P034	131-89-5	2-Cyclohexyl-4,6-dinitrophenol	ON1054
P001	**81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%	ON1006
P069	75-86-5	2-Methyllactonitrile	ON1005
P017	598-31-2	2-Propanone, 1-bromo-	ON1029
P005	107-18-6	2-Propen-1-ol	ON1011
P003	107-02-8	2-Propenal	ON1007
P102	107-19-7	2-Propyn-1-ol	ON1097
P007	2763-96-4	3(2H)-Isoxazolone, 5-(aminomethyl)-	ON1008
P027	542-76-7	3-Chloropropionitrile	ON1038
P202	64-00-6	3-Isopropylphenyl N-methylcarbamate	
P047	**534-52-1	4,6-Dinitro-o-cresol, & salts	ON1053

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P059	76-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	ON1069
P008	504-24-5	4-Aminopyridine	ON1013
P008	504-24-5	4-Pyridinamine	ON1013
P007	2763-96-4	5-(Aminomethyl)-3-isoxazolol	ON1008
P050	115-29-7	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide	ON1060
P127	1563-66-2	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate	
P088	145-73-3	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	ON1061
P023	107-20-0	Acetaldehyde, chloro-	ON1001
P057	640-19-7	Acetamide, 2-fluoro-	ON1003
P002	591-08-2	Acetamide, N-(aminothioxomethyl)-	ON1002
P058	62-74-8	Acetic acid, fluoro-, sodium salt	ON1067
P003	107-02-8	Acrolein	ON1007
P070	116-06-3	Aldicarb	ON1009
P203	1646-88-4	Aldicarb sulfone	
P004	309-00-2	Aldrin	ON1010
P005	107-18-6	Allyl alcohol	ON1011
P046	122-09-8	alpha,alpha-Dimethylphenethylamine	ON1052
P072	86-88-4	alpha-Naphthylthiourea	ON1083
P006	20859-73-8	Aluminum phosphide	ON1012
P009	131-74-8	Ammonium picrate	ON1015
P119	7803-55-6	Ammonium vanadate	ON1014
P099	506-61-6	Argentate(1-), bis(cyano-C)-, potassium	ON1096
P010	7778-39-4	Arsenic acid H_3AsO_4	ON1016
P012	1327-53-3	Arsenic oxide As_2O_3	ON1017
P011	1303-28-2	Arsenic oxide As_2O_5	ON1018
P011	1303-28-2	Arsenic pentoxide	ON1018
P012	1327-53-3	Arsenic trioxide	ON1017
P038	692-42-2	Arsine, diethyl-	ON1019
P036	696-28-6	Arsonous dichloride, phenyl-	ON1042
P054	151-56-4	Aziridine	ON1020
P067	75-55-8	Aziridine, 2-methyl-	ON1082

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P013	542-62-1	Barium cyanide	ON1021
P024	106-47-8	Benzenamine, 4-chloro-	ON1022
P077	100-01-6	Benzenamine, 4-nitro-	ON1023
P028	100-44-7	Benzene, (chloromethyl)-	ON1024
P046	122-09-8	Benzeneethanamine, alpha,alpha-dimethyl-	ON1052
P014	108-98-5	Benzenethiol	ON1026
P188	57-64-7	Benzoic acid, 2-hydroxy-, compd. With (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b] indol-5-yl methylcarbamate ester (1:1)	
P028	100-44-7	Benzyl chloride	ON1024
P015	7440-41-7	Beryllium powder	ON1027
P017	598-31-2	Bromoacetone	ON1029
P018	357-57-3	Brucine	ON1030
P021	592-01-8	Calcium cyanide	ON1031
P021	592-01-8	Calcium cyanide $Ca(CN)_2$	ON1031
P189	55285-14-8	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl- 7-benzofuranyl ester	
P191	644-64-4	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1H- pyrazol-3-yl este	
P190	1129-41-5	Carbamic acid, methyl-, 3-methylphenyl ester	
P192	119-38-0	Carbamic acid,dimethyl-,3-methyl-1-(1methylethyl)-1H-pyrazol-5-yl ester	
P127	1563-66-2	Carbofuran	
P022	75-15-0	Carbon disulfide	ON1034
P095	75-44-5	Carbonic dichloride	ON1035
P189	55285-14-8	Carbosulfan	
P023	107-20-0	Chloroacetaldehyde	ON1001
P029	544-92-3	Copper cyanide	ON1039
P029	544-92-3	Copper cyanide Cu(CN)	ON1039
P030	N/A	Cyanides (soluble cyanide salts), not otherwise specified	ON1040
P031	460-19-5	Cyanogen	ON1041
P033	506-77-4	Cyanogen chloride	ON1036
P033	506-77-4	Cyanogen chloride (CN)Cl	ON1036
P016	542-88-1	Dichloromethyl ether	ON1028

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P036	696-28-6	Dichlorophenylarsine	ON1042
P037	60-57-1	Dieldrin	ON1043
P038	692-42-2	Diethylarsine	ON1019
P041	311-45-5	Diethyl-p-nitrophenyl phosphate	ON1045
P043	55-91-4	Diisopropylfluorophosphate (DFP)	ON1047
P044	60-51-5	Dimethoate	ON1048
P191	644-64-4	Dimetilan.	
P020	88-85-7	Dinoseb	ON1056
P085	152-16-9	Diphosphoramide, octamethyl-	ON1057
P111	107-49-3	Diphosphoric acid, tetraethyl ester	ON1098
P039	298-04-4	Disulfoton	ON1044
P049	541-53-7	Dithiobiuret	ON1058
P050	115-29-7	Endosulfan	ON1060
P088	145-73-3	Endothall	ON1061
P051	72-20-8	Endrin	ON1062
P051	72-20-8	Endrin, & metabolites	ON1062
P042	51-43-4	Epinephrine	ON1025
P031	460-19-5	Ethanedinitrile	ON1041
P194	23135-22-0	Ethanimidothioc acid, 2-(dimethylamino)-N-[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester	
P066	16752-77-5	Ethanimidothioic acid, N-[[(methylamino)carbonyl]oxy]-,methyl ester	ON1004
P101	107-12-0	Ethyl cyanide	ON1064
P054	151-56-4	Ethyleneimine	ON1020
P097	52-85-7	Famphur	ON1065
P056	7782-41-4	Fluorine	ON1066
P057	640-19-7	Fluoroacetamide	ON1003
P058	62-74-8	Fluoroacetic acid, sodium salt	ON1067
P198	23422-53-9	Formetanate hydrochloride	
P197	17702-57-7	Formparanate	
P065	628-86-4	Fulminic acid, mercury(2+) salt	ON1068
P059	76-44-8	Heptachlor	ON1069

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P062	757-58-4	Hexaethyl tetraphosphate	ON1072
P068	60-34-4	Hydrazine, methyl-	ON1074
P116	79-19-6	Hydrazinecarbothioamide	ON1073
P063	74-90-8	Hydrocyanic acid	ON1075
P063	74-90-8	Hydrogen cyanide	ON1075
P096	7803-51-2	Hydrogen phosphide	ON1077
P060	465-73-6	Isodrin	ON1070
P192	119-38-0	Isolan	
P196	15339-36-3	Manganese dimethyl dithiocarbamate	
P196	15339-36-3	Manganese,bis(dimethylcarbamodithioato-S,S')-	
P202	64-00-6	M-Cumenyl methylcarbamate	
P065	628-86-4	Mercury fulminate	ON1068
P092	62-38-4	Mercury, (acetato-O)phenyl-	ON1079
P082	62-75-9	Methanamine, N-methyl-N-nitroso-	ON1051
P064	624-83-9	Methane, isocyanato-	ON1078
P016	542-88-1	Methane, oxybis[chloro-	ON1028
P112	509-14-8	Methane, tetranitro-	ON1080
P118	75-70-7	Methanethiol, trichloro-	ON1081
P197	17702-57-7	Methanimidamide,N,N-dimethyl-N'-[2-methyl-4-[[(methylamino)carbonyl]oxy]phenyl]-	
P198	23422-53-9	Methanimidamide,N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy]phenyl]-,monohydrochloride	
P199	2032-65-7	Methiocarb	
P066	16752-77-5	Methomyl	ON1004
P068	60-34-4	Methyl hydrazine	ON1074
P064	624-83-9	Methyl isocyanate	ON1078
P071	298-00-0	Methyl parathion	ON1050
P190	1129-41-5	Metolcarb	
P128	315-8-4	Mexacarbate	
P073	13463-39-3	Nickel carbonyl	ON1084
P073	13463-39-3	Nickel carbonyl $Ni(CO)_4$,(T-4)-	ON1084
P074	557-19-7	Nickel cyanide	ON1085
P074	557-19-7	Nickel cyanide $Ni(CN)_2$	ON1085

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P075	**54-11-5	Nicotine, & salts	ON1086
P076	10102-43-9	Nitric oxide	ON1087
P078	10102-44-0	Nitrogen dioxide	ON1088
P076	10102-43-9	Nitrogen oxide NO	ON1087
P078	10102-44-0	Nitrogen oxide NO_2	ON1088
P081	55-63-0	Nitroglycerine	ON1089
P082	62-75-9	N-Nitrosodimethylamine	ON1051
P084	4549-40-0	N-Nitrosomethylvinylamine	ON1063
P040	297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate	ON1046
P085	152-16-9	Octamethylpyrophosphoramide	ON1057
P087	20816-12-0	Osmium oxide OsO_4,(T-4)-	ON1090
P087	20816-12-0	Osmium tetroxide	ON1090
P194	23135-22-0	Oxamyl	
P089	56-38-2	Parathion	ON1091
P024	106-47-8	p-Chloroaniline	ON1022
P020	88-85-7	Phenol, 2-(1-methylpropyl)-4,6-dinitro-	ON1056
P009	131-74-8	Phenol, 2,4,6-trinitro-, ammonium salt	ON1015
P048	51-28-5	Phenol, 2,4-dinitro-	ON1055
P034	131-89-5	Phenol, 2-cyclohexyl-4,6-dinitro-	ON1054
P047	**534-52-1	Phenol, 2-methyl-4,6-dinitro-, & salts	ON1053
P202	64-00-6	Phenol, 3-(1-methylethyl)-, methyl carbamate	
P201	2631-37-0	Phenol, 3-methyl-5-(1-methylethyl)-,methyl carbamate	
P199	2032-65-7	Phenol,(3,5-dimethyl-4-(methylthio)-,methylcarbamate	
P128	315-18-4	Phenol,4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)	
P092	62-38-4	Phenylmercury acetate	ON1079
P093	103-85-5	Phenylthiourea	ON1092
P094	298-02-2	Phorate	ON1093
P095	75-44-5	Phosgene	ON1035
P096	7803-51-2	Phosphine	ON1077
P041	311-45-5	Phosphoric acid, diethyl 4-nitrophenyl ester	ON1045
P094	298-02-2	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	ON1093

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P039	298-04-4	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	ON1044
P044	60-51-5	Phosphorodithioic acid,O,O-dimethylS-[2-(methylamino)-2-oxoethyl] ester	ON1048
P043	55-91-4	Phosphorofluoridic acid, bis(1-methylethyl) ester	ON1047
P071	298-00-0	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester	ON1050
P089	56-38-2	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	ON1091
P040	297-97-2	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	ON1046
P097	52-85-7	Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-r dimethyl ester	ON1065
P188	57-64-7	Physostigmine salicylate.	
P204	57-47-6	Physostigmine.	
P110	78-00-2	Plumbane, tetraethyl-	ON1094
P077	100-01-6	p-Nitroaniline	ON1023
P098	151-50-8	Potassium cyanide	ON1095
P098	151-50-8	Potassium cyanide K(CN)	ON1095
P099	506-61-6	Potassium silver cyanide	ON1096
P201	2631-37-0	Promecarb	
P203	1646-88-4	Propanal,2-methyl-2-(methyl-sulfonyl)-,O-[(methylamino)carbonyl] oxime	
P070	116-06-3	Propanal,2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime	ON1009
P101	107-12-0	Propanenitrile	ON1064
P069	75-86-5	Propanenitrile, 2-hydroxy-2-methyl-	ON1005
P027	542-76-7	Propanenitrile, 3-chloro-	ON1038
P102	107-19-7	Propargyl alcohol	ON1097
P075	**54-11-5	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	ON1086
P204	57-47-6	Pyrrolo[2,3-b]indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-,methylcarbamate (ester), (3aS-cis)-	
P114	12039-52-0	Selenious acid, dithallium(1+) salt	ON1106
P103	630-10-4	Selenourea	ON1033
P104	506-64-9	Silver cyanide	ON1099
P104	506-64-9	Silver cyanide Ag(CN)	ON1099
P105	26628-22-8	Sodium azide	ON1100
P106	143-33-9	Sodium cyanide	ON1101

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P106	143-33-9	Sodium cyanide Na(CN)	ON1101
P108	**57-24-9	Strychnidin-10-one, & salts	ON1103
P018	357-57-3	Strychnidin-10-one, 2,3-dimethoxy-	ON1030
P108	**57-24-9	Strychnine, & salts	ON1103
P115	7446-18-6	Sulfuric acid, dithallium(1+) salt	ON1105
P110	78-00-2	Tetraethyl lead	ON1094
P111	107-49-3	Tetraethyl pyrophosphate	ON1098
P109	3689-24-5	Tetraethyldithiopyrophosphate	ON1059
P112	509-14-8	Tetranitromethane	ON1080
P062	757-58-4	Tetraphosphoric acid, hexaethyl ester	ON1072
P113	1314-32-5	Thallic oxide	ON1104
P113	1314-32-5	Thallium oxide Tl_2O_3	ON1104
P114	12039-52-0	Thallium(I) selenite	ON1106
P115	7446-18-6	Thallium(I) sulfate	ON1105
P109	3689-24-5	Thiodiphosphoric acid, tetraethyl ester	ON1059
P045	39196-18-4	Thiofanox	ON1049
P049	541-53-7	Thioimidodicarbonic diamide $[(H_2N)C(S)]_2NH$	ON1058
P014	108-98-5	Thiophenol	ON1026
P116	79-19-6	Thiosemicarbazide	ON1073
P026	5344-82-1	Thiourea, (2-chlorophenyl)-	ON1037
P072	86-88-4	Thiourea, 1-naphthalenyl-	ON1083
P093	103-85-5	Thiourea, phenyl-	ON1092
P185	26419-73-8	Tirpate	
P123	8001-35-2	Toxaphene	ON1032
P118	75-70-7	Trichloromethanethiol	ON1081
P119	7803-55-6	Vanadic acid, ammonium salt	ON1014
P120	1314-62-1	Vanadium oxide V_2O_5	ON1107
P120	1314-62-1	Vanadium pentoxide	ON1107
P084	4549-40-0	Vinylamine, N-methyl-N-nitroso-	ON1063
P001	**81-81-2	Warfarin, & salts, when present at concentrations greater than 0.3%	ON1006
P121	557-21-1	Zinc cyanide	ON1108

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
P121	557-21-1	Zinc cyanide $Zn(CN)_2$	ON1108
P122	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations greater than 10%	ON1109
P205	137-30-4	Zinc, bis(dimethylcarbamodithioato-S,S')-,	
P205	137-30-4	Ziram	

Part B - Hazardous Waste Chemicals

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U021	92-87-5	[1,1-Biphenyl]-4,4-diamine	ON2064
U073	91-94-1	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-	ON2071
U091	119-90-4	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-	ON2072
U095	119-93-7	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	ON2073
U208	630-20-6	1,1,1,2-Tetrachloroethane	ON2158
U209	79-34-5	1,1,2,2-Tetrachloroethane	ON2159
U227	79-00-5	1,1,2-Trichloroethane	ON2162
U078	75-35-4	1,1-Dichloroethylene	ON2128
U098	57-14-7	1,1-Dimethylhydrazine	ON2144
U207	95-94-3	1,2,4,5-Tetrachlorobenzene	ON2061
U085	1464-53-5	1,2:3,4-Diepoxybutane	ON2070
U069	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	ON2037
U088	84-66-2	1,2-Benzenedicarboxylic acid, diethyl ester	ON2038
U102	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester	ON2039
U107	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester	ON2040
U028	117-81-7	1,2-Benzenedicarboxylic acid,bis(2-ethylhexyl) ester	ON2036
U202	**81-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	ON2065
U066	96-12-8	1,2-Dibromo-3-chloropropane	ON2124
U079	156-60-5	1,2-Dichloroethylene	ON2129
U099	540-73-8	1,2-Dimethylhydrazine	ON2145
U109	122-66-7	1,2-Diphenylhydrazine	ON2148
U155	91-80-5	1,2-Ethanediamine,N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	ON2202

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U193	1120-71-4	1,2-Oxathiolane, 2,2-dioxide	ON2216
U142	143-50-0	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	ON2118
U234	99-35-4	1,3,5-Trinitrobenzene	ON2063
U182	123-63-7	1,3,5-Trioxane, 2,4,6-trimethyl-	ON2217
U201	108-46-3	1,3-Benzenediol	ON2046
U364	22961-82-6	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,	
U278	22781-23-3	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,methyl carbamate	
U141	120-58-1	1,3-Benzodioxole, 5-(1-propenyl)-	ON2054
U203	94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	ON2053
U090	94-58-6	1,3-Benzodioxole, 5-propyl-	ON2055
U128	87-68-3	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	ON2079
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	ON2112
U084	542-75-6	1,3-Dichloropropene	ON2135
U190	85-44-9	1,3-Isobenzofurandione	ON2035
U186	504-60-9	1,3-Pentadiene	ON2203
U193	1120-71-4	1,3-Propane sultone	ON2216
U074	764-41-0	1,4-Dichloro-2-butene	ON2086
U108	123-91-1	1,4-Diethyleneoxide	ON2136
U108	123-91-1	1,4-Dioxane	ON2136
U166	130-15-4	1,4-Naphthalenedione	ON2208
U166	130-15-4	1,4-Naphthoquinone	ON2208
U172	924-16-3	1-Butanamine, N-butyl-N-nitroso-	ON2080
U031	71-36-3	1-Butanol	ON2082
U011	61-82-5	1H-1,2,4-Triazol-3-amine	ON2016
U186	504-60-9	1-Methylbutadiene	ON2203
U167	134-32-7	1-Naphthalenamine	ON2210
U279	63-25-2	1-Naphthalenol, methylcarbamate.	
U194	107-10-8	1-Propanamine	ON2224
U111	621-64-7	1-Propanamine, N-nitroso-N-propyl-	ON2150
U110	142-84-7	1-Propanamine, N-propyl-	ON2149
U235	126-72-7	1-Propanol, 2,3-dibromo-, phosphate (3:1)	ON2225

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U140	78-83-1	1-Propanol, 2-methyl-	ON2189
U243	1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro-	ON2184
U084	542-75-6	1-Propene, 1,3-dichloro-	ON2135
U085	1464-53-5	2,2-Bioxirane	ON2070
F027	58-90-2	2,3,4,6-Tetrachlorophenol	ON2219
U237	66-75-1	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	ON2237
F027	93-76-5	2,4,5-T	ON2233
F027	95-95-4	2,4,5-Trichlorophenol	ON2220
U408	118-79-6	2,4,6-Tribromophenol	
F027	88-06-2	2,4,6-Trichlorophenol	ON2221
U240	**94-75-7	2,4-D, salts & esters	ON2114
U081	120-83-2	2,4-Dichlorophenol	ON2132
U101	105-67-9	2,4-Dimethylphenol	ON2146
U105	121-14-2	2,4-Dinitrotoluene	ON2051
U197	106-51-4	2,5-Cyclohexadiene-1,4-dione	ON2068
U147	108-31-6	2,5-Furandione	ON2177
U082	87-65-0	2,6-Dichlorophenol	ON2133
U106	606-20-2	2,6-Dinitrotoluene	ON2052
U236	72-57-1	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-,tetrasodium salt	ON2209
U005	53-96-3	2-Acetylaminofluorene	ON2004
U159	78-93-3	2-Butanone	ON2083
U160	1338-23-4	2-Butanone, peroxide	ON2084
U053	4170-30-3	2-Butenal	ON2085
U074	764-41-0	2-Butene, 1,4-dichloro-	ON2086
U143	303-34-4	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester,[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-	ON2190
U042	110-75-8	2-Chloroethyl vinyl ether	ON2103
U125	98-01-1	2-Furancarboxaldehyde	ON2176
U058	50-18-0	2H-1,3,2-Oxazaphosphorin-2-amine,N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide	ON2113

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U248	**81-81-2	2H-1-Benzopyran-2-one,4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less	ON2009
U116	96-45-7	2-Imidazolidinethione	ON2169
U168	91-59-8	2-Naphthalenamine	ON2211
U171	79-46-9	2-Nitropropane	ON2213
U191	109-06-8	2-Picoline	ON2223
U002	67-64-1	2-Propanone	ON2226
U007	79-06-1	2-Propenamide	ON2012
U009	107-13-1	2-Propenenitrile	ON2014
U152	126-98-7	2-Propenenitrile, 2-methyl-	ON2195
U008	79-10-7	2-Propenoic acid	ON2013
U118	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester	ON2170
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester	ON2205
U113	140-88-5	2-Propenoic acid, ethyl ester	ON2167
U073	91-94-1	3,3'-Dichlorobenzidine	ON2071
U091	119-90-4	3,3'-Dimethoxybenzidine	ON2072
U095	119-93-7	3,3'-Dimethylbenzidine	ON2073
U148	123-33-1	3,6-Pyridazinedione, 1,2-dihydro-	ON2141
U157	56-49-5	3-Methylcholanthrene	ON2021
U164	56-04-2	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	ON2206
U158	101-14-4	4,4'-Methylenebis(2-chloroaniline)	ON2028
U036	57-74-9	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	ON2099
U030	101-55-3	4-Bromophenyl phenyl ether	ON2033
U049	3165-93-3	4-Chloro-o-toluidine, hydrochloride	ON2026
U161	108-10-1	4-Methyl-2-pentanone	ON2204
U059	20830-81-3	5,12-Naphthacenedione,8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	ON2115
U181	99-55-8	5-Nitro-o-toluidine	ON2030
U094	57-97-6	7,12-Dimethylbenz[a]anthracene	ON2025
U367	1563-38-8	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	
U394	30558-43-1	A2213	
U001	75-07-0	Acetaldehyde	ON2001

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U034	75-87-6	Acetaldehyde, trichloro-	ON2002
U187	62-44-2	Acetamide, N-(4-ethoxyphenyl)-	ON2003
U005	53-96-3	Acetamide, N-9H-fluoren-2-yl-	ON2004
U112	141-78-6	Acetic acid ethyl ester	ON2005
See F027	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	ON2233
U240	**94-75-7	Acetic acid, (2,4-dichlorophenoxy)-,salts & esters	ON2114
U144	301-04-2	Acetic acid, lead(2+) salt	ON2006
U214	563-68-8	Acetic acid, thallium(1+) salt	ON2007
U002	67-64-1	Acetone	ON2226
U003	75-05-8	Acetonitrile	ON2008
U004	98-86-2	Acetophenone	ON2010
U006	75-36-5	Acetyl chloride	ON2011
U007	79-06-1	Acrylamide	ON2012
U008	79-10-7	Acrylic acid	ON2013
U009	107-13-1	Acrylonitrile	ON2014
U096	80-15-9	alpha,alpha-Dimethylbenzylhydroperoxide	ON2143
U167	134-32-7	alpha-Naphthylamine	ON2210
U011	61-82-5	Amitrole	ON2016
U012	62-53-3	Aniline	ON2017
U136	75-60-5	Arsinic acid, dimethyl-	ON2087
U014	492-80-8	Auramine	ON2018
U015	115-02-6	Azaserine	ON2019
U010	50-07-7	Azirino[2,3_3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8aalpha,8balpha)]-	ON2020
U280	101-27-9	Barban.	
U364	22961-82-6	Bendiocarb phenol	
U278	22781-23-3	Bendiocarb.	
U271	17804-35-2	Benomyl.	
U018	56-55-3	Benz[a]anthracene	ON2024
U094	57-97-6	Benz[a]anthracene, 7,12-dimethyl-	ON2025
U016	225-51-4	Benz[c]acridine	ON2022
U157	56-49-5	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	ON2021

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U017	98-87-3	Benzal chloride	ON2023
U192	23950-58-5	Benzamide,3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	ON2127
U012	62-53-3	Benzenamine	ON2017
U328	95-53-4	Benzenamine, 2-methyl-	
U222	636-21-5	Benzenamine, 2-methyl-, hydrochloride	ON2029
U181	99-55-8	Benzenamine, 2-methyl-5-nitro-	ON2030
U014	492-80-8	Benzenamine, 4,4-carbonimidoylbis[N,N-dimethyl-	ON2018
U158	101-14-4	Benzenamine, 4,4-methylenebis[2-chloro-	ON2028
U049	3165-93-3	Benzenamine, 4-chloro-2-methyl-,hydrochloride	ON2026
U353	106-49-0	Benzenamine, 4-methyl-	
U093	60-11-7	Benzenamine, N,N-dimethyl-4-(phenylazo)-	ON2027
U019	71-43-2	Benzene	ON2031
U055	98-82-8	Benzene, (1-methylethyl)-	ON2056
U017	98-87-3	Benzene, (dichloromethyl)-	ON2023
U023	98-07-7	Benzene, (trichloromethyl)-	ON2062
U247	72-43-5	Benzene, 1,1-(2,2,2-trichloroethylidene)bis[4- methoxy-	ON2163
U207	95-94-3	Benzene, 1,2,4,5-tetrachloro-	ON2061
U070	95-50-1	Benzene, 1,2-dichloro-	ON2041
U234	99-35-4	Benzene, 1,3,5-trinitro-	ON2063
U071	541-73-1	Benzene, 1,3-dichloro-	ON2042
U223	26471-62-5	Benzene, 1,3-diisocyanatomethyl-	ON2044
U072	106-46-7	Benzene, 1,4-dichloro-	ON2043
U030	101-55-3	Benzene, 1-bromo-4-phenoxy-	ON2033
U105	121-14-2	Benzene, 1-methyl-2,4-dinitro-	ON2051
U106	606-20-2	Benzene, 2-methyl-1,3-dinitro-	ON2052
U037	108-90-7	Benzene, chloro-	ON2034
U239	1330-20-7	Benzene, dimethyl-	ON2045
U127	118-74-1	Benzene, hexachloro-	ON2047
U056	110-82-7	Benzene, hexahydro-	ON2048
U220	108-88-3	Benzene, methyl-	ON2050
U169	98-95-3	Benzene, nitro-	ON2057
U183	608-93-5	Benzene, pentachloro-	ON2058

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U185	82-68-8	Benzene, pentachloronitro-	ON2059
U061	50-29-3	Benzene,1,1-(2,2,2-trichloroethylidene)bis[4-chloro-	ON2117
U060	72-54-8	Benzene,1,1-(2,2-dichloroethylidene)bis[4-chloro-	ON2116
U038	510-15-6	Benzeneacetic acid,4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	ON2032
U035	305-03-3	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	ON2081
U221	25376-45-8	Benzenediamine, ar-methyl-	ON2121
U020	98-09-9	Benzenesulfonic acid chloride	ON2060
U020	98-09-9	Benzenesulfonyl chloride	ON2060
U021	92-87-5	Benzidine	ON2064
U022	50-32-8	Benzo[a]pyrene	ON2067
U064	189-55-9	Benzo[rst]pentaphene	ON2123
U023	98-07-7	Benzotrichloride	ON2062
U047	91-58-7	beta-Chloronaphthalene	ON2106
U168	91-59-8	beta-Naphthylamine	ON2211
U225	75-25-2	Bromoform	ON2078
U136	75-60-5	Cacodylic acid	ON2087
U032	13765-19-0	Calcium chromate	ON2088
U280	101-27-9	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester	
U409	23564-05-8	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester	
U271	17804-35-2	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester	
U372	10605-21-7	Carbamic acid, 1H-benzimidazol-2-yl,methyl ester	
U238	51-79-6	Carbamic acid, ethyl ester	ON2089
U178	615-53-2	Carbamic acid, methylnitroso-, ethyl ester	ON2090
U373	122-42-9	Carbamic acid, phenyl-, 1-methylethyl ester	
U097	79-44-7	Carbamic chloride, dimethyl-	ON2094
U114	**111-54-6	Carbamodithioic acid, 1,2-ethanediylbis-,salts & esters	ON2155
U389	2303-17-5	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl)ester	
U062	2303-16-4	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester	ON2119
U387	52888-80-9	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U279	63-25-2	Carbaryl.	
U372	10605-21-7	Carbendazim	
U367	1563-38-8	Carbofuran phenol	
U033	353-50-4	Carbon oxyfluoride	ON2097
U211	56-23-5	Carbon tetrachloride	ON2098
U215	6533-73-9	Carbonic acid, dithallium(1+) salt	ON2095
U033	353-50-4	Carbonic difluoride	ON2097
U156	79-22-1	Carbonochloridic acid, methyl ester	ON2096
U034	75-87-6	Chloral	ON2002
U035	305-03-3	Chlorambucil	ON2081
U036	57-74-9	Chlordane, alpha & gamma isomers	ON2099
U026	494-03-1	Chlornaphazin	ON2100
U037	108-90-7	Chlorobenzene	ON2034
U038	510-15-6	Chlorobenzilate	ON2032
U044	67-66-3	Chloroform	ON2104
U046	107-30-2	Chloromethyl methyl ether	ON2105
U032	13765-19-0	Chromic acid H_2CrO_4, calcium salt	ON2088
U050	218-01-9	Chrysene	ON2069
U051	N/A	Creosote	ON2108
U052	1319-77-3	Cresol (Cresylic acid)	ON2109
U053	4170-30-3	Crotonaldehyde	ON2085
U055	98-82-8	Cumene	ON2056
U246	506-68-3	Cyanogen bromide (CN)Br	ON2077
U056	110-82-7	Cyclohexane	ON2048
U129	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1alpha,2alpha,3beta,4alpha,5alpha, 6 beta)-	ON2182
U057	108-94-1	Cyclohexanone	ON2111
U058	50-18-0	Cyclophosphamide	ON2113
U059	20830-81-3	Daunomycin	ON2115
U060	72-54-8	DDD	ON2116
U061	50-29-3	DDT	ON2117

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U206	18883-66-4	D-Glucose,2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-	ON2179
U062	2303-16-4	Diallate	ON2119
U063	53-70-3	Dibenz[a,h]anthracene	ON2122
U064	189-55-9	Dibenzo[a,i]pyrene	ON2123
U069	84-74-2	Dibutyl phthalate	ON2037
U075	75-71-8	Dichlorodifluoromethane	ON2126
U025	111-44-4	Dichloroethyl ether	ON2130
U027	108-60-1	Dichloroisopropyl ether	ON2075
U024	111-91-1	Dichloromethoxy ethane	ON2074
U088	84-66-2	Diethyl phthalate	ON2038
U395	5952-26-1	Diethylene glycol, dicarbamate	
U028	117-81-7	Diethylhexyl phthalate	ON2036
U089	56-53-1	Diethylstilbesterol	ON2140
U090	94-58-6	Dihydrosafrole	ON2055
U102	131-11-3	Dimethyl phthalate	ON2039
U103	77-78-1	Dimethyl sulfate	ON2147
U092	124-40-3	Dimethylamine	ON2142
U097	79-44-7	Dimethylcarbamoyl chloride	ON2094
U107	117-84-0	Di-n-octyl phthalate	ON2040
U111	621-64-7	Di-n-propylnitrosamine	ON2150
U110	142-84-7	Dipropylamine	ON2149
U041	106-89-8	Epichlorohydrin	ON2102
U001	75-07-0	Ethanal	ON2001
U404	121-44-8	Ethanamine, N,N-diethyl-	
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-	ON2151
U208	630-20-6	Ethane, 1,1,1,2-tetrachloro-	ON2158
U226	71-55-6	Ethane, 1,1,1-trichloro-	ON2161
U209	79-34-5	Ethane, 1,1,2,2-tetrachloro-	ON2159
U227	79-00-5	Ethane, 1,1,2-trichloro-	ON2162
U024	111-91-1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	ON2074
U076	75-34-3	Ethane, 1,1-dichloro-	ON2153

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U117	60-29-7	Ethane, 1,1'-oxybis-	ON2137
U025	111-44-4	Ethane, 1,1'-oxybis[2-chloro-	ON2130
U067	106-93-4	Ethane, 1,2-dibromo-	ON2152
U077	107-06-2	Ethane, 1,2-dichloro-	ON2154
U131	67-72-1	Ethane, hexachloro-	ON2156
U184	76-01-7	Ethane, pentachloro-	ON2157
U218	62-55-5	Ethanethioamide	ON2160
U394	30558-43-1	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-,methyl ester	
U410	59669-26-0	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bi s-, dimethyl ester	
U173	1116-54-7	Ethanol, 2,2'-(nitrosoimino)bis-	ON2164
U395	5952-26-1	Ethanol, 2,2'-oxybis-, dicarbamate	
U359	110-80-5	Ethanol, 2-ethoxy-	ON2239
U004	98-86-2	Ethanone, 1-phenyl-	ON2010
U042	110-75-8	Ethene, (2-chloroethoxy)-	ON2103
U078	75-35-4	Ethene, 1,1-dichloro-	ON2128
U079	156-60-5	Ethene, 1,2-dichloro-, (E)-	ON2129
U043	75-01-4	Ethene, chloro-	ON2165
U210	127-18-4	Ethene, tetrachloro-	ON2166
U228	79-01-6	Ethene, trichloro-	ON2236
U112	141-78-6	Ethyl acetate	ON2005
U113	140-88-5	Ethyl acrylate	ON2167
U238	51-79-6	Ethyl carbamate (urethane)	ON2089
U117	60-29-7	Ethyl ether	ON2137
U118	97-63-2	Ethyl methacrylate	ON2170
U119	62-50-0	Ethyl methanesulfonate	ON2171
U067	106-93-4	Ethylene dibromide	ON2152
U077	107-06-2	Ethylene dichloride	ON2154
U359	110-80-5	Ethylene glycol monoethyl ether	ON2239
U115	75-21-8	Ethylene oxide	ON2168
U114	**111-54-6	Ethylenebisdithiocarbamic acid, salts & esters	ON2155

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U116	96-45-7	Ethylenethiourea	ON2169
U076	75-34-3	Ethylidene dichloride	ON2153
U120	206-44-0	Fluoranthene	ON2066
U122	50-00-0	Formaldehyde	ON2173
U123	64-18-6	Formic acid	ON2174
U124	110-00-9	Furan	ON2175
U213	109-99-9	Furan, tetrahydro-	ON2178
U125	98-01-1	Furfural	ON2176
U124	110-00-9	Furfuran	ON2175
U206	18883-66-4	Glucopyranose,2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	ON2179
U126	765-34-4	Glycidylaldehyde	ON2180
U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-	ON2181
U127	118-74-1	Hexachlorobenzene	ON2047
U128	87-68-3	Hexachlorobutadiene	ON2079
U130	77-47-4	Hexachlorocyclopentadiene	ON2112
U131	67-72-1	Hexachloroethane	ON2156
U132	70-30-4	Hexachlorophene	ON2183
U243	1888-71-7	Hexachloropropene	ON2184
U133	302-01-2	Hydrazine	ON2120
U098	57-14-7	Hydrazine, 1,1-dimethyl-	ON2144
U086	1615-80-1	Hydrazine, 1,2-diethyl-	ON2138
U099	540-73-8	Hydrazine, 1,2-dimethyl-	ON2145
U109	122-66-7	Hydrazine, 1,2-diphenyl-	ON2148
U134	7664-39-3	Hydrofluoric acid	ON2185
U134	7664-39-3	Hydrogen fluoride	ON2185
U135	7783-06-4	Hydrogen sulfide	ON2187
U135	7783-06-4	Hydrogen sulfide H_2S	ON2187
U096	80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl-	ON2143
U137	193-39-5	Indeno[1,2,3-cd]pyrene	ON2188
U140	78-83-1	Isobutyl alcohol	ON2189
U141	120-58-1	Isosafrole	ON2054
U142	143-50-0	Kepone	ON2118

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U143	303-34-4	Lasiocarpine	ON2190
U144	301-04-2	Lead acetate	ON2006
U145	7446-27-7	Lead phosphate	ON2191
U146	1335-32-6	Lead subacetate	ON2192
U146	1335-32-6	Lead, bis(acetato-O)tetrahydroxytri-	ON2192
U129	58-89-9	Lindane	ON2182
U150	148-82-3	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	ON2015
U015	115-02-6	L-Serine, diazoacetate (ester)	ON2019
U147	108-31-6	Maleic anhydride	ON2177
U148	123-33-1	Maleic hydrazide	ON2141
U149	109-77-3	Malononitrile	ON2193
U071	541-73-1	m-Dichlorobenzene	ON2042
U150	148-82-3	Melphalan	ON2015
U151	7439-97-6	Mercury	ON2194
U152	126-98-7	Methacrylonitrile	ON2195
U092	124-40-3	Methanamine, N-methyl-	ON2142
U029	74-83-9	Methane, bromo-	ON2196
U045	74-87-3	Methane, chloro-	ON2197
U046	107-30-2	Methane, chloromethoxy-	ON2105
U068	74-95-3	Methane, dibromo-	ON2125
U080	75-09-2	Methane, dichloro-	ON2131
U075	75-71-8	Methane, dichlorodifluoro-	ON2126
U138	74-88-4	Methane, iodo-	ON2198
U211	56-23-5	Methane, tetrachloro-	ON2098
U225	75-25-2	Methane, tribromo-	ON2078
U044	67-66-3	Methane, trichloro-	ON2104
U121	75-69-4	Methane, trichlorofluoro-	ON2200
U119	62-50-0	Methanesulfonic acid, ethyl ester	ON2171
U153	74-93-1	Methanethiol	ON2199
U154	67-56-1	Methanol	ON2201
U155	91-80-5	Methapyrilene	ON2202
U247	72-43-5	Methoxychlor	ON2163

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U154	67-56-1	Methyl alcohol	ON2201
U029	74-83-9	Methyl bromide	ON2196
U045	74-87-3	Methyl chloride	ON2197
U156	79-22-1	Methyl chlorocarbonate	ON2096
U226	71-55-6	Methyl chloroform	ON2161
U159	78-93-3	Methyl ethyl ketone (MEK)	ON2083
U160	1338-23-4	Methyl ethyl ketone peroxide	ON2084
U138	74-88-4	Methyl iodide	ON2198
U161	108-10-1	Methyl isobutyl ketone	ON2204
U162	80-62-6	Methyl methacrylate	ON2205
U068	74-95-3	Methylene bromide	ON2125
U080	75-09-2	Methylene chloride	ON2131
U164	56-04-2	Methylthiouracil	ON2206
U010	50-07-7	Mitomycin C	ON2020
U163	70-25-7	MNNG	ON2181
U086	1615-80-1	N,N'-Diethylhydrazine	ON2138
U026	494-03-1	Naphthalenamine, N,N'-bis(2-chloroethyl)-	ON2100
U165	91-20-3	Naphthalene	ON2207
U047	91-58-7	Naphthalene, 2-chloro-	ON2106
U031	71-36-3	n-Butyl alcohol	ON2082
U217	10102-45-1	Nitric acid, thallium(1+) salt	ON2235
U169	98-95-3	Nitrobenzene	ON2057
U173	1116-54-7	N-Nitrosodiethanolamine	ON2164
U174	55-18-5	N-Nitrosodiethylamine	ON2151
U172	924-16-3	N-Nitrosodi-n-butylamine	ON2080
U176	759-73-9	N-Nitroso-N-ethylurea	ON2091
U177	684-93-5	N-Nitroso-N-methylurea	ON2092
U178	615-53-2	N-Nitroso-N-methylurethane	ON2090
U179	100-75-4	N-Nitrosopiperidine	ON2214
U180	930-55-2	N-Nitrosopyrrolidine	ON2215
U194	107-10-8	n-Propylamine	ON2224
U087	3288-58-2	O,O-Diethyl S-methyl dithiophosphate	ON2139

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U048	95-57-8	o-Chlorophenol	ON2107
U070	95-50-1	o-Dichlorobenzene	ON2041
U328	95-53-4	o-Toluidine	
U222	636-21-5	o-Toluidine hydrochloride	ON2029
U115	75-21-8	Oxirane	ON2168
U041	106-89-8	Oxirane, (chloromethyl)-	ON2102
U126	765-34-4	Oxiranecarboxyaldehyde	ON2180
U182	123-63-7	Paraldehyde	ON2217
U197	106-51-4	p-Benzoquinone	ON2068
U039	59-50-7	p-Chloro-m-cresol	ON2101
U072	106-46-7	p-Dichlorobenzene	ON2043
U093	60-11-7	p-Dimethylaminoazobenzene	ON2027
U183	608-93-5	Pentachlorobenzene	ON2058
U184	76-01-7	Pentachloroethane	ON2157
U185	82-68-8	Pentachloronitrobenzene (PCNB)	ON2059
F027	87-86-5	Pentachlorophenol	ON2218
U161	108-10-1	Pentanol, 4-methyl-	ON2204
U187	62-44-2	Phenacetin	ON2003
U188	108-95-2	Phenol	ON2049
U411	114-26-1	Phenol, 2-(1-methylethoxy)-,methylcarbamate	
F027	58-90-2	Phenol, 2,3,4,6-tetrachloro-	ON2219
F027	95-95-4	Phenol, 2,4,5-trichloro-	ON2220
F027	88-06-2	Phenol, 2,4,6-trichloro-	ON2221
U081	120-83-2	Phenol, 2,4-dichloro-	ON2132
U101	105-67-9	Phenol, 2,4-dimethyl-	ON2146
U082	87-65-0	Phenol, 2,6-dichloro-	ON2133
U048	95-57-8	Phenol, 2-chloro-	ON2107
U089	56-53-1	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-	ON2140
U039	59-50-7	Phenol, 4-chloro-3-methyl-	ON2101
U170	100-02-7	Phenol, 4-nitro-	ON2212
U052	1319-77-3	Phenol, methyl-	ON2109
F027	87-86-5	Phenol, pentachloro-	ON2218

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U132	70-30-4	Phenol,2,2'-methylenebis[3,4,6-trichloro-	ON2183
U145	7446-27-7	Phosphoric acid, lead(2+) salt (2:3)	ON2191
U087	3288-58-2	Phosphorodithioic acid, O,O-diethyl S-methyl ester	ON2139
U189	1314-80-3	Phosphorus sulfide	ON2222
U190	85-44-9	Phthalic anhydride	ON2035
U179	100-75-4	Piperidine, 1-nitroso-	ON2214
U170	100-02-7	p-Nitrophenol	ON2212
U192	23950-58-5	Pronamide	ON2127
U066	96-12-8	Propane, 1,2-dibromo-3-chloro-	ON2124
U083	78-87-5	Propane, 1,2-dichloro-	ON2134
U027	108-60-1	Propane, 2,2'-oxybis[2-chloro-	ON2075
U171	79-46-9	Propane, 2-nitro-	ON2213
U149	109-77-3	Propanedinitrile	ON2193
F027	93-72-1	Propanoic acid, 2-(2,4,5-0 trichlorophenoxy)-	ON2227
U373	122-42-9	Propham	
U411	114-26-1	Propoxur.	
U083	78-87-5	Propylene dichloride	ON2134
U387	52888-80-9	Prosulfocarb	
U353	106-49-0	p-Toluidine	
U196	110-86-1	Pyridine	ON2228
U191	109-06-8	Pyridine, 2-methyl-	ON2223
U180	930-55-2	Pyrrolidine, 1-nitroso-	ON2215
U200	50-55-5	Reserpine	ON2229
U201	108-46-3	Resorcinol	ON2046
U202	**81-07-2	Saccharin, & salts	ON2065
U203	94-59-7	Safrole	ON2053
U204	7783-00-8	Selenious acid	ON2230
U204	7783-00-8	Selenium dioxide	ON2230
U205	7488-56-4	Selenium sulfide	ON2232
U205	7488-56-4	Selenium sulfide SeS_2	ON2232
F027	93-72-1	Silvex (2,4,5-TP)	ON2227

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U206	18883-66-4	Streptozotocin	ON2179
U189	1314-80-3	Sulfur phosphide	ON2222
U103	77-78-1	Sulfuric acid, dimethyl ester	ON2147
U210	127-18-4	Tetrachloroethylene	ON2166
U213	109-99-9	Tetrahydrofuran	ON2178
U216	7791-12-0	Thallium chloride TlCl	ON2234
U214	563-68-8	Thallium(I) acetate	ON2007
U215	6533-73-9	Thallium(I) carbonate	ON2095
U216	7791-12-0	Thallium(I) chloride	ON2234
U217	10102-45-1	Thallium(I) nitrate	ON2235
U218	62-55-5	Thioacetamide	ON2160
U410	59669-26-0	Thiodicarb	
U153	74-93-1	Thiomethanol	ON2199
U244	137-26-8	Thioperoxydicarbonic diamide[$(H_2N)C(S)]_2S_2$, tetramethyl-	ON2076
U409	23564-05-8	Thiophanate-methyl	
U219	62-56-6	Thiourea	ON2093
U244	137-26-8	Thiram	ON2076
U220	108-88-3	Toluene	ON2050
U223	26471-62-5	Toluene diisocyanate	ON2044
U221	25376-45-8	Toluenediamine	ON2121
U389	2303-17-5	Triallate	
U228	79-01-6	Trichloroethylene	ON2236
U121	75-69-4	Trichloromonofluoromethane	ON2200
U404	121-44-8	Triethylamine	
U235	126-72-7	Tris(2,3-dibromopropyl) phosphate	ON2225
U236	72-57-1	Trypan blue	ON2209
U237	66-75-1	Uracil mustard	ON2237
U176	759-73-9	Urea, N-ethyl-N-nitroso-	ON2091
U177	684-93-5	Urea, N-methyl-N-nitroso-	ON2092
U043	75-01-4	Vinyl chloride	ON2165
U248	** 81-81-2	Warfarin, & salts, when present at concentrations of 0.3% or less	ON2009

Hazardous waste No.	Chemical abstracts No.	Substance	Reference Number
U239	1330-20-7	Xylene	ON2045
U200	50-55-5	Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester,(3beta,16beta,17alpha, 18beta,20alpha)-	ON2229
U249	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations of 10% or less	ON2238

**** CAS number given for parent compound only

5. Schedule 4 to the Regulation, including the Leachate Extraction Procedure, the Test Method for the Determination of "Liquid Waste" (Slump Test) and Figures 1, 2 and 3, is revoked and the following substituted:

Schedule 4

LEACHATE QUALITY CRITERIA

CONTAMINANT	CONCENTRATION (mg/l)
Aldicarb	0.9
Aldrin + Dieldrin	0.07
Arsenic	2.5
Atrazine + N-dealkylated metabolites (Weedex)	0.5
Azinphos-methyl	2.0
Barium	100.0
Bendiocarb	4.0
Benzene	0.5
Benzo(a)pyrene	0.001
Boron	500.0
Bromoxynil	0.5
Cadmium	0.5
Carbaryl/Sevin/1-Naphthyl-N methyl carbamate	9.0
Carbofuran	9.0
Carbon tetrachloride (Tetrachloromethane)	0.5
Chlordane	0.7
Chlorobenzene (Monochlorobenzene)	8.0
Chloroform	10.0
Chlorpyrifos	9.0
Chromium	5.0
Cresol (Mixture - total of all isomers, when isomers cannot be differentiated)	200.0
m-Cresol	200.0
o-Cresol	200.0
p-Cresol	200.0
Cyanazine	1.0
Cyanide	20.0
2,4-D / (2,4-dichlorophenoxy)acetic acid	10.0
2,4-DCP (2,4-Dichlorophenol)	90.0
DDT (total isomers)	3.0
Diazinon/Phosphordithioic acid, o,o-diethyl o-(2-isopropyl 6-methyl-4-pyrimidinyl)ester	2.0
Dicamba	12.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	20.0
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.5
1,2-Dichloroethane (Ethylene dichloride)	0.5
1,1-Dichloroethylene (Vinylidene chloride)	1.4
Dichloromethane (also see - methylene chloride)	5.0
Diclofop-methyl	0.9
Dimethoate	2.0

2,4-Dinitrotoluene	0.13
Dinoseb	1.0
Dioxin & Furan	0.0000015*
Diquat	7.0
Diuron	15.0
Endrin	0.02
Fluoride	150.0
Glyphosate	28.0
Heptachlor + Heptachlor epoxide	0.3
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3.0
Lead	5.0
Lindane	0.4
Malathion	19.0
Mercury	0.1
Methoxychlor/1,1,1-Trichloro-2,2-bis(p-methoxyphenyl) ethane	90.0
Methyl ethyl ketone / Ethyl methyl ketone	200.0
Methyl Parathion	0.7
Methylene chloride / Dichloromethane	5.0
Metolachlor	5.0
Metribuzin	8.0
NDMA	0.0009
Nitrate + Nitrite (as Nitrogen)	1,000.0
Nitrilotriacetic acid (NTA)	40.0
Nitrobenzene	2.0
Paraquat	1.0
Parathion	5.0
PCBs	0.3
Pentachlorophenol	6.0
Phorate	0.2
Picloram	19.0
Pyridine	5.0
Selenium	1.0
Silver	5
Simazine	1.0
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	28.0
2,4,5-TP/ Silvex/ 2-(2,4,5-Trichlorophenoxy)propionic acid	1.0
Temephos	28.0
Terbufos	0.1
Tetrachloroethylene	3.0
2,3,4,6-Tetrachlorophenol /(2,3,4,6-TeCP)	10.0
Toxaphene	0.5
Triallate	23.0
Trichloroethylene	5.0
2,4,5-Trichlorophenol (2,4,5-TCP)	400.0

2,4,6-Trichlorophenol (2,4,6-TCP)	0.5
Trifluralin	4.5
Uranium	10.0
Vinyl chloride	0.2

***** Toxic equivalent (TEQ)

Schedule 5

TEST METHOD FOR THE DETERMINATION OF
"LIQUID WASTE" (SLUMP TEST)*

1) Sampling

Obtain a representative sample of the waste to be tested.

2) Equipment

2.1 Mould—the representative waste sample shall be formed in a mould, in the form of the frustum of a cone with the base 200 mm in diameter, the top 100 mm in diameter, and the height 300 mm. The base and the top shall be open and parallel to each other and at right angles to the axis of the cone. The mould shall be made of a metal that is chemically resistant to the wastes to be tested and that has a thickness that is at least 1.5 mm. It shall be provided with foot pieces and handles as shown in Figure 1.

2.2 Tamping Rod—the rod shall be round, straight, and steel with a diameter of 16 mm and a length of 600 mm. One end shall be rounded to a hemispherical tip with a diameter of 16 mm.

3) Procedure

3.1 Dampen the mould and place it on a flat, moist, non-absorbent (rigid) surface. Hold the mould firmly in place during filling by standing on the two foot pieces. From the sample of the material obtained, immediately fill the mould in three layers, each approximately one-third the volume of the mould.

Notes: 1) The test must be carried out at a temperature of not less than 10°C.

2) One-third of the volume of the slump mould fills it to a depth of 70 mm. Two-thirds of the volume fills it to a depth of 160 mm.

3.2 Rod each layer with 25 strokes of the tamping rod. Uniformly distribute the strokes over the cross-section of each layer. For the bottom layer this will necessitate inclining the rod slightly and making approximately half of the strokes near the perimeter, and then progressing with vertical strokes spirally toward the center. Rod layers throughout their depth. For the second layer and the top layer, the strokes must just penetrate into the underlying layers.

3.3 When filling and rodding the top layer, heap the material above the mould before rodding is started. If the rodding operation results in subsidence of the material below the top edge of the mould, add additional material to maintain an excess of material above the top of the mould. After the top layer has been rodded, the excess material shall be screeded off to the level of the top of the mould. Remove the spilled material from the base of the mould.

3.4 Withdraw the mould immediately from the material by raising it carefully in a vertical direction. The operation of raising the mould shall be performed in approximately 5 seconds by a steady upward lift with no lateral or torsional motion. The entire operation from the start of the filling through removal of the mould shall be carried out without interruption and shall be completed within 2 minutes.

3.5 Determine the slump immediately after by measuring the difference between the height of the mould and the average height of the top surface of the material after subsidence.

Notes: 1) Waste samples that break or slump laterally give incorrect results. When this condition occurs the test shall be repeated with a new sample.

2) If two consecutive tests on a sample of material show a falling away or shearing off of a portion of the material from the mass of the specimen, the material probably lacks necessary plasticity and cohesiveness for the slump test to be applicable.

3) Duplicate tests on two different portions of the sample should not vary more than 10 mm.

4) Report

4.1 Record the slump in millimeters to the nearest 10 mm of subsidence of the sample during the test.

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* The method is based on the Canadian Standards Association test method for determining the slump of concrete (A23.2-5C).

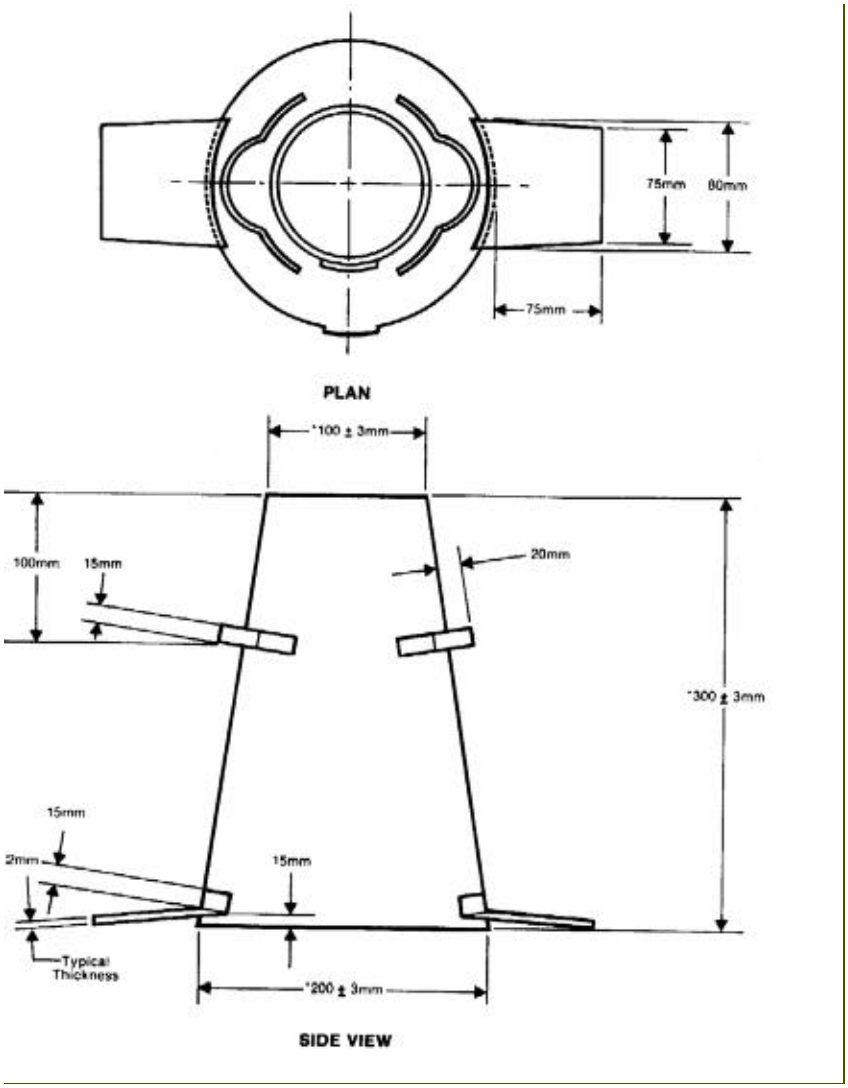

Figure 1
MOULD FOR SLUMP TEST

6. (1) Subject to subsection (2), this Regulation comes into force on the day it is filed.

(2) Sections 1, 2, 4 and 5 come into force on March 31, 2001.