

**FORM EQP 5111 ATTACHMENT TEMPLATE A2  
CHEMICAL AND PHYSICAL ANALYSES**

This document is an attachment to the Michigan Department of Environment, Great Lakes, and Energy's *Instructions for Completing Form EQP 5111, Operating License Application Form for Hazardous Waste Treatment, Storage, and Disposal Facilities*. See Form EQP 5111 for details on how to use this attachment.

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being R 299.9504, R 299.9508, and R 299.9605, and Title 40 of the Code of Federal Regulations (CFR) §§264.13(a) and 270.14(b)(2), establish requirements for chemical and physical analyses at hazardous waste management facilities. All references to the 40 CFR citations specified herein are adopted by reference in R 299.11003

This license application template addresses requirements for chemical and physical analyses at the hazardous waste management facility for the Dow Michigan Operations & Salzburg Landfill facilities in Midland, Michigan. The information included in the template demonstrates how the facility meets the chemical and physical analyses requirements for hazardous waste management facilities.

Type of applicant: *(Check as appropriate)*

- Applicant for Operating License for Existing Facility
- Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

Type of Facility: *(Check as appropriate)*

- On-site Facility (generates hazardous waste)
- Off-site Facility (accepts hazardous waste from other generators)

Type of Units to be Constructed or Operated at the Facility: *(Check as appropriate)*

- Containers
- Tank(s)
- Waste Pile(s)
- Landfilled Waste
- Waste Incineration
- Land Treatment
- Miscellaneous Unit(s)
- Boilers and Industrial Furnaces

This template is organized as follows:

- A2.A WASTE DESCRIPTION
  - A2.A.1 Waste Description (*generate on-site wastes*)
  - A2.A.2 Waste Description (*receive wastes from off-site generators*)
    - A2.A.2(a) Procedures for Obtaining Chemical and Physical Analyses from Off-Site Generators
      - Table A2.A.1 Hazardous Waste Generated at the Facility
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- A2.B CONTAINERIZED WASTE
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- A2.F WASTES INCINERATED AND WASTES USED IN PERFORMANCE TESTS
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- A2.G WASTES TO BE LAND TREATED
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Appendix A – List of Acceptable Waste Types for Management at the Dow Michigan Operations & Salzburg Landfill Facilities.

## **A2.A WASTE DESCRIPTION**

[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

Before a waste is accepted for treatment, storage, or disposal at the Dow Michigan Operations or Salzburg Landfill facilities, the generator of the waste must prepare and submit to Dow's Environmental Operations department a detailed chemical and physical evaluation of the waste. In addition, generators are required to evaluate the regulatory status of their waste. In the event that a waste is determined to be subject to restrictions, the generator is required to notify the treatment, storage, or disposal facility that such waste is subject to restrictions. The information obtained from these evaluations is used to assure proper treatment, storage, or disposal of the waste consistent with all applicable state and federal regulations. The generator may use process knowledge or analytical data to determine the characteristics of the waste.

### **A2.A.1 Waste Description (generate on-site wastes)**

[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

Due to the complexity of the activities carried out at the Dow Michigan Operations facility, a wide variety of waste materials in various forms may be generated on-site and managed at the regulated units such as waste storage areas, incinerator, or landfill. The waste characterization process is dynamic; the information is updated frequently as new data is obtained, regulations change, wastes are evaluated for approval or renewal, and when existing wastes are no longer generated.

The Michigan Operations Environmental Operations department provides guidance to generators who wish to have their waste treated, stored, or disposed of at the Dow Michigan Operations or Salzburg Landfill facilities. The primary tool used by Environmental Operations to aid generators with the proper characterization of their wastes is the Generator Waste Characterization Form (GWCF).

To ensure that each waste stream is managed in an appropriate manner, every waste accepted for treatment, storage, or disposal at the Dow Michigan Operations and Salzburg Landfill facilities must be characterized.

Characterization of a waste stream is three-fold. It includes:

- Identifying components that make up the waste
- Classifying the waste by use of RCRA characteristics and listings; and
- Identifying the appropriate handling and operational considerations associated with managing the waste.

Generators are provided with the form in an electronic database or an equivalent system that requires entry of all pertinent information to completely characterize their waste. A copy of the GWCF can be found in Attachment XIV.A3, Waste Analysis Plan, of this operating license reapplication. The GWCF is updated as necessary.

The GWCF requires that the generator of the waste completely identify the chemical composition of their waste. The generator is required to determine if the waste exhibits any of the characteristics of a hazardous waste (i.e., ignitability, corrosivity, reactivity, or toxicity as described in the form). The generator is also required to review all hazardous waste listings to determine if the waste is a regulated, listed hazardous waste. Environmental Operations provides generators with a guidance document which contains definitions of all RCRA and Act 451 Part 111 listings and characteristics for reference. This information is obtained from the generator in a question/answer format based

directly on the RCRA regulations (40 CFR 261 Subpart C).

The form also requests operational information required for the treatment, storage, or disposal facility to properly manage the waste. Unique sections of the GWCF pertain to wastes sent to the Michigan Operations Wastewater Treatment Plant, 32 Incinerator, and Salzburg Landfill. The final pages of the form identify the required Land Disposal Notification and Certification information for restricted wastes and also address Toxic Substances and Control Act (TSCA) considerations.

The completed GWCF is submitted to the Waste Classification department for review and approval. Qualified waste approvers review the information to ensure that the waste is an acceptable waste type (see Appendix A - List of Acceptable Waste Types for Management at the Dow Michigan Operations & Salzburg Landfill Facilities) and is managed properly. After approval by qualified waste approvers the waste may be accepted by a Michigan Operations facility for treatment, storage, or disposal.

Table A2.A.1 Hazardous Waste Generated at the Facility (page 7)

Attachment A2.A.1 Laboratory Report Detailing Chemical and Physical Analyses of Representative Samples (page 8)

**A2.A.2 Waste Description (receive wastes from off-site generators)**  
[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

**A2.A.2(a) Procedures for Obtaining Chemical and Physical Analyses from Off-Site Generators**

Dow's Michigan Operations & Salzburg Landfill facilities are captive facilities that generate and manage the majority of wastes on-site, but also receive certain wastes from off-site Dow generators and off-site non-Dow generators in support of Dow operations or strategic business relationships. The off-site Dow generator and off-site non-Dow generator locations can and will change over time. Since the Michigan Operations & Salzburg Landfill facilities operate in this manner, off-site generators, Dow and non-Dow, follow the same waste characterization process outlined in section A2.A.1, Waste Description (generate on-site wastes), above.

**Table A2.A.2 Hazardous Wastes Accepted at the Facility (page 7)**

**A2.B CONTAINERIZED WASTE**  
[R 299.9504(1)(c) and 40 CFR §264.172]

**A2.B.1 Wastes Compatible with Container**

See Section C1.C, Compatibility of Waste with Containers [R 299.9614 and 40 CFR §264.172], of Attachment XIV.C1, Use and Management of Containers, of this operating license reapplication for details pertaining to the compatibility of wastes with containers.

**A2.B.2 Containers without Secondary Containment System**

All containers of waste with free liquids are stored in container storage areas with secondary

containment systems that are of sufficient capacity to contain either ten percent of the volume of the maximum number of containers of free liquid that could be stored in the area or the entire volume of the largest container of free liquid stored in the area.

## **A2.C WASTE IN TANK SYSTEMS**

[R 299.9504(1)(c) and 40 CFR §§264.190(a), 264.191(b)(2), 264.192(a)(2)]

### **A2.C.1 Wastes Compatible with Tanks**

See Section C2.J.3, Incompatible Wastes [R 299.9615(1) and 40 CFR §264.199], of Attachment XIV.C2, Tank Systems, of this operating license reapplication for details pertaining to the compatibility of wastes with Tank Systems.

### **A2.C.2 Tanks without Secondary Containment System**

This section is not applicable as all tank systems at the Dow Michigan Operations facility are in compliance with the secondary containment requirements of 40 CFR 264.193.

## **A2.D WASTE IN PILES**

[R 299.9504(1)(c) and 40 CFR §264.250(c)(1) and (4)]

This section is not applicable.

### **A2.D.1 Waiver from Waste Pile Requirements**

## **A2.E LANDFILLED WASTES**

[R 99.9504(1)(c) and 40 CFR §§264.13(c)(3) and 264.314]

### **A2.E.1 Containerized or Bulk Wastes**

General criteria for accepting Salzburg Landfill as an appropriate disposal facility are:

1. The waste has a flash point greater than 140 degrees F or the waste does not ignite;
2. The waste does not exhibit properties of reactivity as defined in 40 CFR 261.23;
3. The waste passes the paint filter test and is not a free liquid;
4. The waste does not exhibit the characteristic of corrosivity as defined in 40 CFR 261.22;
5. The waste, if it is hazardous, meets Land Disposal Restrictions or is covered by a valid treatability variance;
6. The waste is compatible with the landfill liner and other disposed wastes; and
7. The waste complies with the special requirements contained in 40 CFR 264.312 and 40 CFR 264.17.

If a waste meets these criteria, other permit conditions, and applicable regulations, then it may be approved for disposal at Salzburg Landfill. Otherwise an alternative management method would be selected.

### **A2.E.2 Procedures to Determine Addition of Biodegradable Sorbent**

The qualified waste approvers from the Waste Classification department review the GWCF to ensure that there are no biodegradable sorbents in the waste to be disposed of at the Dow Salzburg Landfill. If there is, it will be rejected and an alternative management method would be

selected.

**A2.F WASTES INCINERATED AND WASTES USED IN PERFORMANCE TESTS**  
[R 299.9504(1)(c) and 40 CFR §264.341]

**Attachment A2.F.1 Analyses of Wastes Incinerated and Used in Performance Tests**

See Attachment XIV.C3, Incineration or Thermal Treatment, of this operating license reapplication for details pertaining to performance tests of the Michigan Operations facility 32 Incinerator.

**A2.G WASTES TO BE LAND TREATED**  
[R 299.9504(1)(c) and 40 CFR §§264. 271(a)(1) and (2), 264.272, and 264.276]

This section is not applicable.

**A2.G.1 Treatment Zone Demonstration**

**A2.G.2 Food Chain Crops Grown In or On Treatment Zone**

**A2.H WASTE IN MISCELLANEOUS UNITS**  
[R 299.9504(1)(c) and 40 CFR §270.13(d)]

This section is not applicable.

**A2.I WASTE IN BOILERS AND INDUSTRIAL FURNACES**

This section is not applicable.

**Table A2.I.1 Waste Feed Streams: Hazardous Waste, Other Fuels, and Industrial Furnace Feed Stocks**

**Table A2.I.2 Hazardous Waste Feed Streams (page 10)**

**Attachment A2.I.1 Blending Prior to Firing**

**TABLE A2.A.1 HAZARDOUS WASTE GENERATED AT THE FACILITY**  
**Attachment A2.A.1 Laboratory Report Detailing Chemical and Physical Analyses of Representative Samples**

See Attachment XIV.A3, Waste Analysis Plan, of this operating license reapplication for detailed information pertaining to chemical and physical analysis of representative samples.

# **Appendix A – List of Acceptable Waste Types for Management at the Dow Michigan Operations & Salzburg Landfill Facilities**

**APPENDIX A - LIST OF ACCEPTABLE WASTE TYPES  
 FOR MANAGEMENT AT THE DOW MICHIGAN OPERATIONS  
 MIDLAND PLANT & SALZBURG LANDFILL FACILITIES**

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
Not Applicable	Compatible non-hazardous solid waste (including, but not limited to, asbestos, soils, rubble, and process waste and containers), provided the licensee complies with the most stringent regulatory requirements of Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), or Part 115, Solid Waste Management, of Act 451.	N/A					*
001T	Incinerator Ash -- Hazardous waste by definition/residue of hazardous waste management -- may carry all waste codes managed by generating unit.	N/A	*		*	*	*
003T	Primary Wastewater Treatment Plant Solids -- Hazardous waste by definition/residue of hazardous waste management -- may carry all waste codes managed by generating unit.	N/A	*		*	*	*
004T	Secondary Wastewater Treatment Plant Effluent -- Hazardous waste by definition/residue of hazardous waste management -- may carry all waste codes managed by generating unit.	N/A	*	*	*	*	*
005T	Secondary Wastewater Treatment Plant Solids -- Hazardous waste by definition/residue of hazardous waste management -- may carry all waste codes managed by generating unit.	N/A	*	*	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
F001	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, F005; and still bottoms from the recovery of these spent solvents and spent solvents mixtures.	N/A	*	#	*	*	*
F002	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene 1,1,2-trichloro-1,2,2-trifluoroethane, orthodichlorobenzene, trichlorofluoromethane and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of one or more of the above halogenated solvents or those solvents listed in F001, F004, F005; and still bottoms form the recovery of these spent solvents.	N/A	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
F003	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.	N/A	*	#	*	*	*
F004	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 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.	N/A	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
F005	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures and 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 F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	N/A	*	#	*	*	*
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	N/A	*	#	*	*	*
F020 <sup>(3)</sup>	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 tetrachloro-phenol, 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-triachlorophenol).	N/A	*		*		
F021 <sup>(3)</sup>	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.	N/A	*		*		

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
F022 <sup>(3)</sup>	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.	N/A	*		*		
F023 <sup>(3)</sup>	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.).	N/A	*	#	*		
F024	Process wastes, including but not limited to, distillation, 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.	N/A	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
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.	N/A	*	#	*	*	*
F026 <sup>(3)</sup>	Wastes (except wastewater and spent carbon from 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.	N/A	*		*		
F027 <sup>(3)</sup>	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulation containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from pre purified 2,4,5-trichlorophenol as the sole component.).	N/A	*		*		
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste numbers F020, F021, F022, F023, F026, and F027.	N/A	*	#	*	*	

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
F039	Leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under Subpart D, or from a mixture of wastes classified under Subparts C & D of this part. (Leachate resulting from the management of one or more of one or more of the following EPA Hazardous Wastes and no other Hazardous Waste retains its EPA Hazardous Waste Number (s): F020, F021, F022, F026, F027, and/or F028.)	N/A	*	#	*	*	*
K015	Still bottoms from the distillation of benzyl chloride.	N/A	*	#	*	*	*
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	N/A	*	#	*	*	*
K017	Heavy ends or still bottoms from the purification column in the production of epichlorohydrin.	N/A	*	#	*	*	*
K018	Heavy ends from the fractionation column in ethyl chloride production.	N/A	*	#	*	*	*
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	N/A	*	#	*	*	*
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	N/A	*	#	*	*	*
K021	Aqueous spend antimony catalyst waste from fluoromethanes production.	N/A	*	#	*	*	*
K022	Distillation bottom tars from the production of phenol or acetone from cumene.	N/A	*	#	*	*	*
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	N/A	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	N/A	*	#	*	*	*
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	N/A	*	#	*	*	*
K026	Stripping still tails from the production of methyl ethyl pyridines.	N/A	*	#	*	*	*
K027	Centrifuge and distillation residues from toluene diisocyanate production.	N/A	*	#	*	*	*(4)
K028	Spend catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	N/A	*	#	*	*	*
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	N/A	*	#	*	*	*
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.	N/A	*	#	*	*	*
K042	Heavy ends of distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	N/A	*	#	*	*	*
K043	2,6-Dichlorophenol waste from the production of 2,4-D	N/A	*	#	*	*	*
K049	Slop oil emulsion solids from the petroleum refining industry.	N/A	*	#	*	*	*
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	N/A	*	#	*	*	*
K051	API separator sludge from the petroleum refining industry.	N/A	*	#	*	*	*
K052	Tank bottoms (leaded) from the petroleum refining industry.	N/A	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
K073	Chlorinated hydrocarbon wastes from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	N/A	*	#	*	*	*
K083	Distillation bottoms from aniline production	N/A	*	#	*	*	*
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	N/A	*	#	*	*	*
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	N/A	*	#	*	*	*
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	N/A	*	#	*	*	*
K099	Untreated wastewater from the production of 2,4-D	N/A	*	#	*	*	*
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	N/A	*	#	*	*	*
P001	Warfarin, & salts, when present at concentrations greater than 0.3%	81-81-2	*	#	*	*	*
P002	1-Acetyl-2-thiourea	591-08-2	*	#	*	*	*
P003	Acrolein	107-02-8	*	#	*	*	*
P004	Aldrin	309-00-2	*	#	*	*	*
P005	Allyl Alcohol	107-18-6	*	#	*	*	*
P006	Aluminum phosphide	20859-73-8	*	#	*	*	*
P007	5-(Aminomethyl)-3-isoxazolol	2763-96-4	*	#	*	*	*
P008	4-Aminopyridine	504-24-5	*	#	*	*	*
P009	Ammonium picrate	131-74-8	*	#	*	*	*
P010	Arsenic Acid	7778-39-4	*	#	*	*	*

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P011	Arsenic pentoxide	1303-28-2	*	#	*	*	*
P012	Arsenic trioxide	1327-53-3	*	#	*	*	*
P013	Barium cyanide	542-62-1	*	#	*	*	*
P014	Benzenethiol	108-98-5	*	#	*	*	*
P015	Beryllium powder	7440-41-7	*	#	*	*	*
P016	Dichloromethyl ether	542-88-1	*	#	*	*	*
P017	Bromoacetone	596-31-2	*	#	*	*	*
P018	Brucine	357-57-3	*	#	*	*	*
P020	2-sec-Butyl-4,6-Dinitrophenol (Dinoseb)	88-85-7	*	#	*	*	*
P021	Calcium cyanide (Ca(CN) <sub>2</sub> )	592-01-8	*	#	*	*	*
P022	Carbon disulfide	75-15-0	*	#	*	*	*
P023	Chloroacetaldehyde	107-20-0	*	#	*	*	*
P024	p-Chloroaniline	106-47-8	*	#	*	*	*
P026	1-(o-Chlorophenyl)thiourea	5344-82-1	*	#	*	*	*
P027	3-Chloropropionitrile	542-76-7	*	#	*	*	*
P028	Benzyl chloride	100-44-7	*	#	*	*	*
P029	Copper cyanide	544-92-3	*	#	*	*	*
P030	Cyanides (soluble cyanide salts) not elsewhere specified	N/A	*	#	*	*	*
P031	Cyanogen	460-19-5	*	#	*	*	*
P033	Cyanogen chloride	506-77-4	*	#	*	*	*
P034	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	*	#	*	*	*
P036	Dichlorophenylarsine	696-28-6	*	#	*	*	*
P037	Dieldrin	60-57-1	*	#	*	*	*
P038	Diethylarsine	692-42-2	*	#	*	*	*
P039	Disulfoton	298-04-4	*	#	*	*	*
P040	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2	*	#	*	*	*
P041	Diethyl-p-nitrophenyl phosphate	311-45-5	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
P042	Epinephrine	51-43-4	*	#	*	*	*
P043	Diisopropyl fluorophosphates	55-91-4	*	#	*	*	*
P044	Dimethoate	60-51-5	*	#	*	*	*
P045	Thiofanox	39196-18-4	*	#	*	*	*
P046	alpha,alpha-Dimethylphenethylamine	122-09-2	*	#	*	*	*
P047	4,6-Dinitro-o-cresol and salts	534-52-1	*	#	*	*	*
P048	2,4-Dinitrophenol	51-28-5	*	#	*	*	*
P049	2,4-Dithiobiuret	541-53-7	*	#	*	*	*
P050	Endosulfan	115-29-7	*	#	*	*	*
P051	Endrin	72-20-8	*	#	*	*	*
P054	Ethylenimine	151-58-4	*	#	*	*	*
P056	Flourine	7782-41-4	*	#	*	*	*
P057	Fluoroacetamide	640-19-7	*	#	*	*	*
P058	Fluoroacetic acid, sodium salt	62-74-8	*	#	*	*	*
P059	Heptachlor	76-44-8	*	#	*	*	*
P060	Isodrin	465-73-6	*	#	*	*	*
P062	Hexaethyl tetraphosphate	757-58-4	*	#	*	*	*
P063	Hydrogen cyanide	74-90-8	*	#	*	*	*
P064	Methyl isocyanate	624-83-9	*	#	*	*	*
P065	Mercury fulminate	628-86-4	*	#	*	*	*
P066	Methomyl	16752-77-5	*	#	*	*	*
P067	2-Methyl-aziridine	75-55-8	*	#	*	*	*
P068	Methyl hydrazine	60-34-4	*	#	*	*	*
P069	2-Methylactonitrile	75-86-5	*	#	*	*	*
P070	Aldicarb	116-06-3	*	#	*	*	*
P071	Methyl parathion	298-00-0	*	#	*	*	*
P072	1-Naphthyl-2-thiourea	86-88-4	*	#	*	*	*
P073	Nickel carbonyl	13463-39-3	*	#	*	*	*
P074	Nickel cyanide	557-19-7	*	#	*	*	*

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P075	Nicotine and salts	54-11-5	*	#	*	*	*
P076	Nitric oxide	10102-43-9	*	#	*	*	*
P077	p-Nitroaniline	100-01-6	*	#	*	*	*
P078	Nitrogen dioxide	10102-44-0	*	#	*	*	*
P081	Nitroglycerine	55-63-0	*	#	*	*	*
P082	N-Nitrosodimethylamine	62-75-9	*	#	*	*	*
P084	N-Nitrosomethylvinylamine	4549-40-0	*	#	*	*	*
P085	Octamethylpyrophosphoramidate	152-16-9	*	#	*	*	*
P087	Osmium tetroxide	20816-12-0	*	#	*	*	*
P088	Endothall	145-73-3	*	#	*	*	*
P089	Parathion	56-38-2	*	#	*	*	*
P092	Phenylmercuric acetate	62-38-4	*	#	*	*	*
P093	N-Phenylthiourea	103-85-5	*	#	*	*	*
P094	Phorate	298-02-2	*	#	*	*	*
P095	Phosgene	75-44-5	*	#	*	*	*
P096	Phosphine	783-51-2	*	#	*	*	*
P097	Famphur	52-85-7	*	#	*	*	*
P098	Potassium cyanide	151-50-8	*	#	*	*	*
P099	Potassium silver cyanide	506-61-6	*	#	*	*	*
P101	Ethyl Cyanide (Propanenitrile)	107-12-0	*	#	*	*	*
P102	Propargyl alcohol	107-19-7	*	#	*	*	*
P103	Selenourea	630-10-4	*	#	*	*	*
P104	Silver cyanide	506-64-9	*	#	*	*	*
P105	Sodium azide	26628-22-8	*	#	*	*	*
P106	Sodium cyanide	143-33-9	*	#	*	*	*
P108	Strychnidin-10-one, and salts	157-24-9	*	#	*	*	*
P109	Tetraethyldithiopyrophosphate	3689-24-5	*	#	*	*	*
P110	Tetraethyl lead	78-00-2	*	#	*	*	*
P111	Tetraethylpyrophosphate	107-49-3	*	#	*	*	*

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P112	Tetranitromethane	509-14-8	*	#	*	*	*
P113	Thallic oxide	1314-32-5	*	#	*	*	*
P114	Thallium selenite	12039-52-0	*	#	*	*	*
P115	Thallium (I) sulfate	7446-18-6	*	#	*	*	*
P116	Thiosemicarbazide	79-19-6	*	#	*	*	*
P118	Trichloromethanethiol	75-70-7	*	#	*	*	*
P119	Ammonium vanadate	7803-55-6	*	#	*	*	*
P120	Vanadium pentoxide	1314-62-1	*	#	*	*	*
P121	Zinc cyanide	557-21-1	*	#	*	*	*
P122	Zinc phosphide, when present at concentrations greater than 10%	1314-84-7	*	#	*	*	*
P123	Toxaphene	8001-35-2	*	#	*	*	*
P127	Carbofuran	1563-66-2	*	#	*	*	*
P128	Mexacarbate	315-18-4	*	#	*	*	*
P185	Tirpate	26419-73-8	*	#	*	*	*
P188	Physostigmine salicylate	57-64-7	*	#	*	*	*
P189	Carbosulfan	55285-14-8	*	#	*	*	*
P190	Metolcarb	1129-41-5	*	#	*	*	*
P191	Dimetilan	644-64-4	*	#	*	*	*
P192	Isolan	119-38-0	*	#	*	*	*
P194	Oxamyl	23135-22-0	*	#	*	*	*
P196	Manganese dimethyldithiocarbamate	15339-36-3	*	#	*	*	*
P197	Formparanate	17702-57-7	*	#	*	*	*
P198	Formetanate hydrochloride	23422-53-9	*	#	*	*	*
P199	Methiocarb	2032-65-7	*	#	*	*	*

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P201	Promecarb	2631-37-0	*	#	*	*	*
P202	m-Cumenyl methylcarbamate	64-00-6	*	#	*	*	*
P203	Aldicarb sulfone	1646-88-4	*	#	*	*	*
P204	Physostigmine	57-47-6	*	#	*	*	*
P205	Ziram	137-30-4	*	#	*	*	*
U001	Acetaldehyde	75-07-0	*	#	*	*	*
U002	Acetone	67-64-1	*	#	*	*	*
U003	Acetonitrile	75-05-8	*	#	*	*	*
U004	Acetophenone	98-86-2	*	#	*	*	*
U005	2-Acetylaminofluorene	53-96-3	*	#	*	*	*
U006	Acetyl chloride	75-36-5	*	#	*	*	*
U007	Acrylamide	79-06-1	*	#	*	*	*
U008	Acrylic acid	79-10-7	*	#	*	*	*
U009	Acrylonitrile	107-13-1	*	#	*	*	*
U010	Mitomycin	50-07-7	*	#	*	*	*
U011	Amitrole	61-82-5	*	#	*	*	*
U012	Aniline	62-53-3	*	#	*	*	*
U014	Auramine	492-80-8	*	#	*	*	*
U015	Azaserine	115-02-6	*	#	*	*	*
U016	Benz[c]acridine	225-51-4	*	#	*	*	*
U017	Benzal chloride	98-87-3	*	#	*	*	*
U018	Benz[a]anthracene	56-55-3	*	#	*	*	*
U019	Benzene	71-43-2	*	#	*	*	*
U020	Benzenesulfonyl chloride	98-09-9	*	#	*	*	*
U021	Benzidine	92-87-5	*	#	*	*	*
U022	Benzo[a]pyrene	50-32-8	*	#	*	*	*
U023	Benzotrichloride	98-07-7	*	#	*	*	*
U024	bis(2-Chloroethoxy)methane	111-91-7	*	#	*	*	*
U025	bis(2-Chloroethyl)ether	111-44-4	*	#	*	*	*
U026	Chlornaphazine	494-03-1	*	#	*	*	*

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U027	bis(2-Chloroisopropyl)ether	108-60-1	*	#	*	*	*
U028	bis(2-Ethylhexyl) phthalate	117-81-7	*	#	*	*	*
U029	Methyl bromide (Bromomethane)	74-83-9	*	#	*	*	*
U030	4-Bromophenyl phenyl ether	101-55-3	*	#	*	*	*
U031	n-Butyl alcohol	71-36-3	*	#	*	*	*
U032	Calcium chromate	13765-19-0	*	#	*	*	*
U033	Carbon oxyfluoride	353-50-4	*	#	*	*	*
U034	Trichloroacetaldehyde (Chloral)	75-87-6	*	#	*	*	*
U035	Chlorambucil	305-03-3	*	#	*	*	*
U036	Chlordane, alpha & gamma isomers	57-74-9	*	#	*	*	*
U037	Chlorobenzene	108-90-7	*	#	*	*	*
U038	Chlorobenzilate	510-15-6	*	#	*	*	*
U039	p-Chloro-m-cresol	59-50-7	*	#	*	*	*
U041	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	*	#	*	*	*
U042	2-Chloroethyl vinyl ether	110-75-8	*	#	*	*	*
U043	Vinyl chloride	75-01-4	*	#	*	*	*
U044	Chloroform	67-66-3	*	#	*	*	*
U045	Chloromethane	74-87-3	*	#	*	*	*
U046	Chloromethyl methyl ether	107-30-2	*	#	*	*	*
U047	2-Chloronaphthalene	91-58-7	*	#	*	*	*
U048	2-Chlorophenol	95-57-8	*	#	*	*	*
U049	4-Chloro-o-toluidine hydrochloride	3165-93-3	*	#	*	*	*
U050	Chrysene	218-01-9	*	#	*	*	*
U051	Creosote	N/A	*	#	*	*	*
U052	Cresols (cresylic acid)	1319-77-3	*	#	*	*	*
U053	Crotonaldehyde	4170-30-3	*	#	*	*	*
U055	Cumene	98-82-8	*	#	*	*	*

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U056	Cyclohexane	110-82-7	*	#	*	*	*
U057	Cyclohexanone	108-94-1	*	#	*	*	*
U058	Cyclophosphamide	50-18-0	*	#	*	*	*
U059	Daunomycin	20830-81-3	*	#	*	*	*
U060	DDD	72-54-8	*	#	*	*	*
U061	DDT	50-29-3	*	#	*	*	*
U062	Diallate	2303-16-4	*	#	*	*	*
U063	Dibenz[a,h]anthracene	53-70-3	*	#	*	*	*
U064	Dibenz[a,i]pyrene	189-55-9	*	#	*	*	*
U066	1,2-Dibromo-3-chloropropane	96-12-8	*	#	*	*	*
U067	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	*	#	*	*	*
U068	Dibromomethane	74-95-3	*	#	*	*	*
U069	Dibutyl phthalate	84-74-2	*	#	*	*	*
U070	o-Dichlorobenzene	95-50-1	*	#	*	*	*
U071	m-Dichlorobenzene	541-73-1	*	#	*	*	*
U072	p-Dichlorobenzene	106-46-7	*	#	*	*	*
U073	3,3'-Dichlorobenzidine	91-94-1	*	#	*	*	*
U074	1,4-Dichloro-2-butene	764-41-0	*	#	*	*	*
U075	Dichlorodifluoromethane	75-71-8	*	#	*	*	*
U076	1,1-Dichloroethane	75-34-3	*	#	*	*	*
U077	1,2-Dichloroethane	107-06-2	*	#	*	*	*
U078	1,1-Dichloroethylene	75-35-4	*	#	*	*	*
U079	1,2-Dichloroethylene	156-60-5	*	#	*	*	*
U080	Methylene Chloride	75-09-2	*	#	*	*	*
U081	2,4-Dichlorophenol	120-83-2	*	#	*	*	*
U082	2,6-Dichlorophenol	87-65-0	*	#	*	*	*
U083	1,2-Dichloropropane	78-87-5	*	#	*	*	*
U084	1,3-Dichloropropene	542-75-6	*	#	*	*	*
U085	1,2:3,4-Diepoxybutane	1464-53-5	*	#	*	*	*

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U086	N,N-Diethylhydrazine	1615-80-1	*	#	*	*	*
U087	O,O-Diethyl-S-methyl-dithiophosphate	3288-58-2	*	#	*	*	*
U088	Diethyl phthalate	84-66-2	*	#	*	*	*
U089	Diethylstilbestrol	56-53-1	*	#	*	*	*
U090	Dihydrosafrole	94-58-6	*	#	*	*	*
U091	3,3'-Dimethoxybenzidine	119-90-4	*	#	*	*	*
U092	Dimethylamine	124-40-3	*	#	*	*	*
U093	Dimethylaminoazobenzene	60-11-7	*	#	*	*	*
U094	7,12-Dimethylbenz[a]anthracene	57-97-6	*	#	*	*	*
U095	3,3'-Dimethylbenzidine	119-93-7	*	#	*	*	*
U096	alpha,alpha-Dimethylbenzylhydroperoxide	80-15-9	*	#	*	*	*
U097	Dimethylcarbonyl chloride	79-44-7	*	#	*	*	*
U098	1,1-Dimethylhydrazine	57-14-7	*	#	*	*	*
U099	1,2-Dimethylhydrazine	540-73-8	*	#	*	*	*
U101	2,4-Dimethylphenol	105-67-9	*	#	*	*	*
U102	Dimethyl phthalate	131-11-3	*	#	*	*	*
U103	Dimethyl sulfate	77-78-1	*	#	*	*	*
U105	2,4-Dinitrotoluene	121-14-2	*	#	*	*	*
U106	2,6-Dinitrotoluene	606-20-2	*	#	*	*	*
U107	Di-n-octyl phthalate	117-84-0	*	#	*	*	*
U108	1,4-Dioxane	123-91-1	*	#	*	*	*
U109	1,2-Diphenylhydrazine	122-66-7	*	#	*	*	*
U110	Dipropylamine	142-84-7	*	#	*	*	*
U111	Di-n-propylnitrosamine	621-64-7	*	#	*	*	*
U112	Ethyl acetate	141-78-6	*	#	*	*	*
U113	Ethyl acrylate	140-88-5	*	#	*	*	*
U114	Ethylenebis(dithiocarbamic acid), salts & ester	1111-54-6	*	#	*	*	*
U115	Ethylene oxide	75-21-8	*	#	*	*	*

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U116	Ethylene thiourea	96-45-7	*	#	*	*	*
U117	Ethyl ether	60-29-7	*	#	*	*	*
U118	Ethyl methacrylate	97-63-2	*	#	*	*	*
U119	Ethyl methanesulfonate	62-50-0	*	#	*	*	*
U120	Fluoranthene	206-44-0	*	#	*	*	*
U121	Trichloromonofluoromethane	75-69-4	*	#	*	*	*
U122	Formaldehyde	50-00-0	*	#	*	*	*
U123	Formic acid	64-18-6	*	#	*	*	*
U124	Furan	110-00-9	*	#	*	*	*
U125	Furfural	98-01-1	*	#	*	*	*
U126	Glycidylaldehyde	765-34-4	*	#	*	*	*
U127	Hexachlorobenzene	118-74-1	*	#	*	*	*
U128	Hexachlorobutadiene	87-68-3	*	#	*	*	*
U129	Lindane	58-89-9	*	#	*	*	*
U130	Hexachlorocyclopentadiene	77-47-4	*	#	*	*	*
U131	Hexachloroethane	67-72-1	*	#	*	*	*
U132	Hexachlorophene	70-30-4	*	#	*	*	*
U133	Hydrazine	302-01-2	*	#	*	*	*
U134	Hydrogen fluoride	7664-39-3	*	#	*	*	*
U135	Hydrogen sulfide	7783-06-4	*	#	*	*	*
U136	Cacodylic acid	75-60-5	*	#	*	*	*
U137	Indeno[1,2,3-cd]pyrene	193-39-5	*	#	*	*	*
U138	Iodomethane	74-88-4	*	#	*	*	*
U140	Isobutyl alcohol	78-83-1	*	#	*	*	*
U141	Isosafrole	120-58-1	*	#	*	*	*
U142	Kepone	143-50-0	*	#	*	*	*
U143	Lasiocarpine	303-34-4	*	#	*	*	*
U144	Lead acetate	301-04-2	*	#	*	*	*
U145	Lead phosphate	7446-27-7	*	#	*	*	*

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U146	Lead subacetate	1335-32-6	*	#	*	*	*
U147	Maleic anhydride	108-31-6	*	#	*	*	*
U148	Maleic hydrazide	123-33-1	*	#	*	*	*
U149	Malononitrile	109-77-3	*	#	*	*	*
U150	Melphalan	148-82-3	*	#	*	*	*
U151	Mercury	7439-97-6	*	#	*	*	*
U152	Methacrylonitrile	126-98-7	*	#	*	*	*
U153	Methanethiol	74-93-1	*	#	*	*	*
U154	Methanol	67-56-1	*	#	*	*	*
U155	Methanpyriline	91-80-5	*	#	*	*	*
U156	Methyl chlorocarbonate	79-22-1	*	#	*	*	*
U157	3-Methylcholanthrene	56-49-5	*	#	*	*	*
U158	4,4'Methylenebis(2-chloroaniline)	101-14-4	*	#	*	*	*
U159	Methyl ethyl ketone	78-93-3	*	#	*	*	*
U160	Methyl ethyl ketone peroxide	1338-23-4	*	#	*	*	*
U161	Methyl isobutyl ketone	108-10-1	*	#	*	*	*
U162	Methyl methacrylate	80-62-6	*	#	*	*	*
U163	N-Methyl N'-nitro N-nitrosoguanidine	70-25-7	*	#	*	*	*
U164	Methylthiouracil	56-04-2	*	#	*	*	*
U165	Naphthalene	91-20-3	*	#	*	*	*
U166	1,4,Naphthoquinone	130-15-4	*	#	*	*	*
U167	1-Naphthylenamine	134-32-7	*	#	*	*	*
U168	2-Naphthylenamine	91-59-8	*	#	*	*	*
U169	Nitrobenzene	98-95-3	*	#	*	*	*
U170	p-Nitrophenol	100-02-7	*	#	*	*	*
U171	2-Nitropropane	79-46-9	*	#	*	*	*
U172	N-Nitrosodi-n-butylamine	924-16-3	*	#	*	*	*
U173	N-Nitrosodiethanolamine	1116-54-7	*	#	*	*	*

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U174	N-Nitrosodiethylamine	55-18-5	*	#	*	*	*
U176	N-Nitroso-N-ethylurea	759-73-9	*	#	*	*	*
U177	N-Nitroso-N-methylurea	684-93-5	*	#	*	*	*
U178	N-Nitroso-N-methylurethane	615-53-2	*	#	*	*	*
U179	N-Nitrosopiperidine	100-75-4	*	#	*	*	*
U180	N-Nitrosopyrrolidine	930-55-2	*	#	*	*	*
U181	5-Nitro-o-toluidine	99-55-8	*	#	*	*	*
U182	Paraldehyde	123-63-7	*	#	*	*	*
U183	Pentachlorobenzene	608-93-5	*	#	*	*	*
U184	Pentachloroethane	76-01-7	*	#	*	*	*
U185	Pentachloronitrobenzene	82-68-8	*	#	*	*	*
U186	1,3-Pentadiene	504-60-9	*	#	*	*	*
U187	Phenacetin	62-44-2	*	#	*	*	*
U188	Phenol	108-95-2	*	#	*	*	*
U189	Phosphorous sulfide	1314-80-3	*	#	*	*	*
U190	Phthalic anhydride	85-44-9	*	#	*	*	*
U191	2-Picoline	109-06-8	*	#	*	*	*
U192	Pronamide	23950-58-5	*	#	*	*	*
U193	1,3-Propane sultone	1120-71-4	*	#	*	*	*
U194	1-Propanamine	107-10-8	*	#	*	*	*
U196	Pyridine	110-86-1	*	#	*	*	*
U197	p-Benzoquinone	106-51-4	*	#	*	*	*
U200	Reserpine	50-55-5	*	#	*	*	*
U201	Resorcinol	108-46-3	*	#	*	*	*
U202	1,2-Benzisothiazol-3-(2H)-one, 1,1-dioxide and salts	81-07-2	*	#	*	*	*
U203	Safrole	94-59-7	*	#	*	*	*
U204	Selenium dioxide	7783-00-8	*	#	*	*	*
U205	Selenium disulfide	7488-56-4	*	#	*	*	*

WASTE CODE	WASTE DESCRIPTION OR CHEMICAL NAME	Chemical Abstract Number (CAS #)	CONTAINER STORAGE	T-POND <sup>2</sup>	1163/33 BLDGS	INCIN TANK FARM STORAGE	SALZBURG LANDFILL <sup>1</sup>
U206	Streptozotocin	18883-66-4	*	#	*	*	*
U207	1,2,4,5-Tetrachlorobenzene	95-94-3	*	#	*	*	*
U208	1,1,1,2-Tetrachloroethane	630-20-6	*	#	*	*	*
U209	1,1,2,2-Tetrachloroethane	79-34-5	*	#	*	*	*
U210	Tetrachloroethylene	127-18-4	*	#	*	*	*
U211	Carbon tetrachloride	56-23-5	*	#	*	*	*
U213	Tetrahydrofuran	109-99-9	*	#	*	*	*
U214	Thallium(I) acetate	563-68-8	*	#	*	*	*
U215	Thallium(I) carbonate	6533-73-9	*	#	*	*	*
U216	Thallium(I) chloride	7791-12-0	*	#	*	*	*
U217	Thallium(I) nitrate	10102-45-1	*	#	*	*	*
U218	Thioacetamide	62-55-5	*	#	*	*	*
U219	Thiourea	62-56-6	*	#	*	*	*
U220	Toluene	108-88-3	*	#	*	*	*
U221	Toluenediamine	25376-45-8	*	#	*	*	*
U222	o-Toluidine hydrochloride	636-21-5	*	#	*	*	*
U223	Toluene diisocyanate	26471-62-5	*	#	*	*	*
U225	Bromoform (Tribromomethane)	75-25-2	*	#	*	*	*
U226	1,1,1-Trichloroethane	71-55-6	*	#	*	*	*
U227	1,1,2-Trichloroethane	79-00-5	*	#	*	*	*
U228	Trichloroethylene	79-01-6	*	#	*	*	*
U234	1,3,5-Trinitrobenzene	99-35-4	*	#	*	*	*
U235	Tris(2,3-dibromopropyl) phosphate	126-72-7	*	#	*	*	*
U236	Trypan blue	72-57-1	*	#	*	*	*
U237	Uracil mustard	66-75-1	*	#	*	*	*
U238	Urethane (ethylcarbamate)	51-79-6	*	#	*	*	*
U239	Xylenes	1330-20-7	*	#	*	*	*

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U240	2,4-D (2,4-Dichlorophenoxyacetic acid) and salts and esters	94-75-7	*	#	*	*	*
U243	Hexachloropropylene	1888-71-7	*	#	*	*	*
U244	Thiram	137-26-8	*	#	*	*	*
U246	Cyanogen bromide	506-68-3	*	#	*	*	*
U247	Methoxychlor	72-43-5	*	#	*	*	*
U248	Warfarin & salts, when present at concentrations of 0.3% or less	81-81-2	*	#	*	*	*
U249	Zinc phosphate, when present at concentrations of 10% or less	1314-84-7	*	#	*	*	*
U271	Benomyl	17804-35-2	*	#	*	*	*
U278	Bendiocarb	22781-23-3	*	#	*	*	*
U279	Carbaryl	63-25-2	*	#	*	*	*
U280	Barban	101-27-9	*	#	*	*	*
U328	o-Toluidine	95-53-4	*	#	*	*	*
U353	p-Toluidine	106-49-0	*	#	*	*	*
U359	2-Ethoxyethanol	110-80-5	*	#	*	*	*
U364	Bendiocarb phenol	22961-82-6	*	#	*	*	*
U367	Carbofuran phenol	1563-38-8	*	#	*	*	*
U372	Carbendazim	10605-21-7	*	#	*	*	*
U373	Propham	122-42-9	*	#	*	*	*
U387	Prosulfocarb	52888-80-9	*	#	*	*	*
U389	Triallate	2303-17-5	*	#	*	*	*
U394	A2213	30558-43-1	*	#	*	*	*
U395	Diethylene glycol, dicarbamate	5952-26-1	*	#	*	*	*
U404	Triethylamine	121-44-8	*	#	*	*	*
U409	Thiophanate – methyl	23564-05-8	*	#	*	*	*

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U410	Thiodicarb	59669-26-0	*	#	*	*	*
U411	Propoxur	114-26-1	*	#	*	*	*
D001	Characteristic of ignitability	N/A	*			*	*(4)
D002	Characteristic of corrosivity	N/A	*			*	*
D003	Characteristic of reactivity	N/A	*			*	*(4)
D004	Arsenic	440-38-2	*	#	*	*	*
D005	Barium	7440-39-3	*	#	*	*	*
D006	Cadmium	7440-43-9	*	#	*	*	*
D007	Chromium	7440-47-3	*	#	*	*	*
D008	Lead	7439-92-1	*	#	*	*	*
D009	Mercury	7439-97-6	*	#	*	*	*
D010	Selenium	7782-49-2	*	#	*	*	*
D011	Silver	7440-22-4	*	#	*	*	*
D012	Endrin (1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo, endo-5,8-dimethano naphthalene).	72-20-8	*	#	*	*	*
D013	Lindane (1,2,3,4,5,6-hexachloro-cyclohexane gamma isomer).	58-89-9	*	#	*	*	*
D014	Methoxychlor (1,1,1-Trichlor-2,2-bis (p-methoxyphenyl)ethane).	72-43-5	*	#	*	*	*
D015	Toxaphene (C <sub>10</sub> H <sub>10</sub> CL <sub>8</sub> Technical chlorinated camphene, 67-69% chlorine).	8001-35-2	*	#	*	*	*
D016	2,4-D (2,4-dichlorophenoxy acetic acid)	94-75-7	*	#	*	*	*
D017	2,4,5-TP Silvex (2,4,5-Trichlorophenoxypropionic acid).	93-72-1	*	#	*	*	*
D018	Benzene	71-43-2	*	#	*	*	*

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D019	Carbon tetrachloride	56-23-5	*	#	*	*	*
D020	Chlordane	57-74-9	*	#	*	*	*
D021	Chlorobenzene	108-90-7	*	#	*	*	*
D022	Chloroform	67-66-3	*	#	*	*	*
D023	o-Cresol	95-48-7	*	#	*	*	*
D024	m-Cresol	108-39-4	*	#	*	*	*
D025	p-Cresol	106-44-5	*	#	*	*	*
D026	Cresol	N/A	*	#	*	*	*
D027	1,4-Dichlorobenzene	106-46-7	*	#	*	*	*
D028	1,2-Dichloroethane	107-06-2	*	#	*	*	*
D029	1,1-Dichloroethylene	75-35-4	*	#	*	*	*
D030	2,4-Dinitrotoluene	121-14-2	*	#	*	*	*
D031	Heptachlor (and its hydroxide)	76-44-8	*	#	*	*	*
D032	Hexachlorobenzene	118-74-1	*	#	*	*	*
D033	Hexachloro-1,3-butadiene	87-68-3	*	#	*	*	*
D034	Hexachloroethane	67-72-1	*	#	*	*	*
D035	Methyl ethyl ketone	78-93-3	*	#	*	*	*
D036	Nitrobenzene	98-95-3	*	#	*	*	*
D037	Pentachlorophenol	87-86-5	*	#	*	*	*
D038	Pyridine	110-86-1	*	#	*	*	*
D039	Tetrachloroethylene	127-18-4	*	#	*	*	*
D040	Trichloroethylene	79-01-6	*	#	*	*	*
D041	2,4,5-Trichlorophenol	95-95-4	*	#	*	*	*
D042	2,4,6-Trichlorophenol	88-06-2	*	#	*	*	*
D043	Vinyl Chloride	75-01-4	*	#	*	*	*
State of Michigan Specific Hazardous waste codes							
001S	Aflatoxin	N/A	*	#	*	*	*
002S	2,3,7,8-Tetrachlorodibenzo-p-dioxin	N/A	*	#	*	*	*
003S	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	N/A	*	#	*	*	*

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004S	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	N/A	*	#	*	*	*
005S	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	N/A	*	#	*	*	*
006S	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	N/A	*	#	*	*	*
007S	2,3,7,8-Tetrachlorodibenzo furan	N/A	*	#	*	*	*
001U	Actinomycin D	50-76-0	*	#	*	*	*
002U	Allyl chloride	107-05-1	*	#	*	*	*
003U	2-aminoanthraquinone	117-79-3	*	#	*	*	*
004U	Aminoazobenzene	60-09-3	*	#	*	*	*
005U	O-aminoazotoluene	97-56-3	*	#	*	*	*
007U	3-amino-9-ethyl carbazole	132-32-1	*	#	*	*	*
011U	o-Anisidine	90-04-0	*	#	*	*	*
012U	o-Anisidine hydrochloride	134-29-2	*	#	*	*	*
014U	Antimycin A	1397-94-0	*	#	*	*	*
020U	Bromoxynil	1689-84-5	*	#	*	*	*
160U	1,3-Butadiene	106-99-0	*	#	*	*	*
023U	Captan	133-06-2	*	#	*	*	*
027U	Carbophenothion	786-19-6	*	#	*	*	*
029U	Chloropyrifos	2921-88-2	*	#	*	*	*
032U	Chlorine gas	7782-50-5	*	#	*	*	*
033U	2-Chloroethanol	107-07-3	*	#	*	*	*
150U	p-Chlorophenol	106-48-9	*	#	*	*	*
036U	4-chloro-m-phenylenediamine	5131-60-2	*	#	*	*	*
038U	Chloroprene	126-99-8	*	#	*	*	*
151U	5-Chloro-o-toluidene	96-79-4	*	#	*	*	*
040U	Clonitralid	1420-04-8	*	#	*	*	*
042U	Coumaphos	56-72-4	*	#	*	*	*
046U	Cycloheximide	66-81-9	*	#	*	*	*

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051U	Diazinon	333-41-5	*	#	*	*	*
052U	Dichlone	117-80-6	*	#	*	*	*
054U	Dichlorvos	62-73-7	*	#	*	*	*
056U	Diethyl sulfate	64-67-5	*	#	*	*	*
165U	N,N1-Diethylthiourea	105-55-5	*	#	*	*	*
057U	Dinocap	39300-45-3	*	#	*	*	*
061U	Ethion	563-12-2	*	#	*	*	*
068U	Hexamethyl phosphoramidate	680-31-9	*	#	*	*	*
070U	Hydroquinone	123-31-9	*	#	*	*	*
073U	Isonicotinic acid hydrazine	54-85-3	*	#	*	*	*
074U	Ketene	463-51-4	*	#	*	*	*
075U	Lactonitril	78-97-7	*	#	*	*	*
076U	Leptophos	21609-90-5	*	#	*	*	*
078U	Malachite green	569-64-2	*	#	*	*	*
079U	Malathion	121-75-5	*	#	*	*	*
086U	1-Methylnaphthalene	90-12-0	*	#	*	*	*
094U	Naled	300-76-5	*	#	*	*	*
097U	Niridazole	61-57-4	*	#	*	*	*
098U	Nithiazide	139-94-6	*	#	*	*	*
100U	Nitro-o-anisidine	99-59-2	*	#	*	*	*
104U	Nitrogen mustard	51-75-2	*	#	*	*	*
106U	p-Nitrosodiphenylamine	156-10-5	*	#	*	*	*
108U	N-nitroso-N-phenylhydroxylamine, ammonium salt	135-20-6	*	#	*	*	*
169U	Octachlorostyrene	29082-74-4	*	#	*	*	*
110U	Oxydemeton-methyl	301-12-2	*	#	*	*	*
111U	Paraquat	1910-42-5	*	#	*	*	*
112U	Peroxyacetic acid	79-21-0	*	#	*	*	*
113U	Phenazopyridine hydrochloride	136-40-3	*	#	*	*	*

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115U	Phenolbarbitol	50-06-6	*	#	*	*	*
116U	Phenytoin	57-41-0	*	#	*	*	*
117U	Phenytoin sodium	630-93-3	*	#	*	*	*
118U	Phosazetim	4104-14-7	*	#	*	*	*
119U	Phosmet	732-11-6	*	#	*	*	*
124U	Propiolactone	57-57-8	*	#	*	*	*
127U	Propylthiouracil	51-52-5	*	#	*	*	*
128U	Rotenone	83-749-4	*	#	*	*	*
129U	Semicarbazide	57-56-7	*	#	*	*	*
170U	Semicarbazide	563-41-7	*	#	*	*	*
131U	Styrene	100-42-5	*	#	*	*	*
136U	Terbufos	13071-79-9	*	#	*	*	
138U	4,4'-Thiodianiline	139-65-1	*	#	*	*	
154U	Bis(tri-n-butyl tin) oxide	56-35-9	*	#	*	*	
171U	Tributyltin (and other salts and esters)	688-73-3	*	#	*	*	
142U	Trifluralin	1582-09-8	*	#	*	*	
143U	2,4,5-Trimethylaniline	137-17-7	*	#	*	*	
175U	Vinyl bromide	593-60-2	*	#	*	*	

<sup>(1)</sup> A significant percentage of the volume of hazardous waste received at Salzburg Landfill is incinerator ash. Incinerator ash, and other hazardous waste that carry one or more of these hazardous waste codes, may be disposed at the Salzburg Landfill provided they meet either the applicable Land Disposal Restrictions treatment standards listed in 40 CFR Part 268 or a valid treatability variance. Salzburg Landfill does not accept radioactive waste for disposal, but it does receive treatment residues from the Midland Plant 32 Incinerator. Salzburg Landfill does accept waste containing naturally occurring radioactive material, "NORM", as exempted by R 325.5052 of Michigan's Ionizing Radiation Rules, Act No. 305 of the Public Acts of 1972.

<sup>(2)</sup> The sole source of hazardous waste managed in the T-Pond is the secondary wastewater treatment plant effluent and solids from the Midland Plant Wastewater Treatment Plant. The waste codes indicated with # are only contained in the T-Pond as part of the secondary wastewater treatment plant effluent and solids and cannot be directly stored/treated in the T-Pond. Due to the mixture and derived-from rules currently in place in the regulations, the secondary wastewater treatment plant effluent and solids will carry all of the listed codes from the waste streams managed in the Midland Plant 32 Incinerator and Wastewater Treatment Plant.

- <sup>(3)</sup> Condition II.1(b), in emission unit EU32INCINERATOR-S1 of the site's Renewable Operating Permit, State Registration Number (SRN): A4033, prohibits incineration of this dioxin-listed waste.
- <sup>(4)</sup> Ignitable waste (D001) and Reactive waste (D003, K027) will only be accepted by Salzburg Landfill after the appropriate treatment (Deactivation) has been applied. Salzburg Landfill will receive only treatment residues that retain the code.
- N/A in the Chemical abstract number means not applicable.