

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Land Disposal Restrictions
- 2) Code Citation: 35 Ill. Adm. Code 728
- 3) 

<u>Section Numbers</u> :	<u>Proposed Actions</u> :
728.101	Amendment
728.107	Amendment
728.Appendix C	Amendment
728.Appendix G	Amendment
728.Table C	Amendment
728.Table T	Amendment
- 4) Statutory Authority: 415 ILCS 5/7.2, 22.4, and 27
- 5) A Complete Description of Subjects and Issues Involved: The amendments to Part 728 are a single segment of the docket R16-7 rulemaking that also affects 35 Ill. Adm. Code 703, 720, 721, 722, 724, 725, 726, 727, and 733, each of which is covered by a separate notice in this issue of the Illinois Register. To save space, a more detailed description of the subjects and issues involved in the docket R16-7 rulemaking in this issue of the *Illinois Register* only in the answer to question 5 is stated in the Notice of Adopted Amendments for 35 Ill. Adm. Code 703. A comprehensive description is contained in the Board's opinion and order of March 3, 2016, proposing amendments in docket R16-7, which opinion and order is available from the address below.

Specifically, the amendments to Part 728 are corrections and clarifying amendments that are not directly derived from the instant federal amendments. This includes corrections submitted by USEPA as a result of review of the rules for the purpose of authorization of the Illinois RCRA Subtitle C program.

Tables appear in the Board's opinion and order of March 3, 2016 in docket R16-7 that list numerous corrections and amendments that are not based on current federal amendments. The tables contain deviations from the literal text of the federal amendments underlying these amendments, as well as corrections and clarifications that the Board made in the base text involved. Persons interested in the details of those corrections and amendments should refer to the March 3, 2016 opinion and order in docket R16-7.

Section 22.4 of the Environmental Protection Act [415 ILCS 5/22.4] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the APA, it is

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not subject to First Notice or to Second Notice review by the Joint Committee on Administrative Rules (JCAR).

- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Will this rulemaking replace any emergency rule currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? No
- 10) Are there any other rulemakings pending on this Part? No
- 11) Statement of Statewide Policy Objective: These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805].
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R16-7 and be addressed to:

John T. Therriault, Clerk  
Illinois Pollution Control Board  
State of Illinois Center, Suite 11-500  
100 W. Randolph St.  
Chicago IL 60601

Please direct inquiries to the following person and reference docket R16-7:

Michael J. McCambridge  
Staff Attorney  
Illinois Pollution Control Board  
100 W. Randolph 11-500  
Chicago IL 60601

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Request copies of the Board's opinion and order at 312/814-3620, or download a copy from the Board's Website at <http://www.ipcb.state.il.us>.

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities, and not-for-profit corporations affected: This rulemaking may affect those small businesses, small municipalities, and not-for-profit corporations that generate, transport, treat, store, or dispose of hazardous waste. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805].
  - B) Reporting, bookkeeping or other procedures required for compliance: The existing rules and proposed amendments require extensive reporting, bookkeeping and other procedures, including the preparation of manifests and annual reports, waste analyses and maintenance of operating records. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805].
  - C) Types of professional skills necessary for compliance: Compliance with the existing rules and proposed amendments may require the services of an attorney, certified public accountant, chemist, and registered professional engineer. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805].
- 14) Regulatory Agenda on which this rulemaking was summarized: December 4, 2015, 39 Ill. Reg. 15637-39

The full text of the Proposed Amendments begins on the next page:

1 TITLE 35: ENVIRONMENTAL PROTECTION  
2 SUBTITLE G: WASTE DISPOSAL  
3 CHAPTER I: POLLUTION CONTROL BOARD  
4 SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS  
5

6 PART 728  
7 LAND DISPOSAL RESTRICTIONS  
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9 SUBPART A: GENERAL  
10

11	Section	
12	728.101	Purpose, Scope, and Applicability
13	728.102	Definitions
14	728.103	Dilution Prohibited Substitute for Treatment
15	728.104	Treatment Surface Impoundment Exemption
16	728.105	Procedures for Case-by-Case Extensions to an Effective Date
17	728.106	Petitions to Allow Land Disposal of a Waste Prohibited Pursuant to Subpart C
18	728.107	Testing, Tracking and Recordkeeping Requirements for Generators, Treaters, and Disposal Facilities
19		
20	728.108	Landfill and Surface Impoundment Disposal Restrictions (Repealed)
21	728.109	Special Rules for Toxicity Characteristic Wastes
22		

23 SUBPART B: SCHEDULE FOR LAND DISPOSAL PROHIBITION AND  
24 ESTABLISHMENT OF TREATMENT STANDARDS  
25

26	Section	
27	728.110	First Third (Repealed)
28	728.111	Second Third (Repealed)
29	728.112	Third Third (Repealed)
30	728.113	Newly Listed Wastes
31	728.114	Surface Impoundment Exemptions
32		

33 SUBPART C: PROHIBITION ON LAND DISPOSAL  
34

35	Section	
36	728.120	Waste-Specific Prohibitions: Dyes and Pigments Production Wastes
37	728.130	Waste-Specific Prohibitions: Wood Preserving Wastes
38	728.131	Waste-Specific Prohibitions: Dioxin-Containing Wastes
39	728.132	Waste-Specific Prohibitions: Soils Exhibiting the Toxicity Characteristic for Metals and Containing PCBs
40		
41	728.133	Waste-Specific Prohibitions: Chlorinated Aliphatic Wastes
42	728.134	Waste-Specific Prohibitions: Toxicity Characteristic Metal Wastes
43	728.135	Waste-Specific Prohibitions: Petroleum Refining Wastes

44	728.136	Waste-Specific Prohibitions: Inorganic Chemical Wastes
45	728.137	Waste-Specific Prohibitions: Ignitable and Corrosive Characteristic Wastes
46		Whose Treatment Standards Were Vacated
47	728.138	Waste-Specific Prohibitions: Newly-Identified Organic Toxicity Characteristic
48		Wastes and Newly-Listed Coke By-Product and Chlorotoluene Production Wastes
49	728.139	Waste-Specific Prohibitions: Spent Aluminum Potliners and Carbamate Wastes

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SUBPART D: TREATMENT STANDARDS

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53 Section

54	728.140	Applicability of Treatment Standards
55	728.141	Treatment Standards Expressed as Concentrations in Waste Extract
56	728.142	Treatment Standards Expressed as Specified Technologies
57	728.143	Treatment Standards Expressed as Waste Concentrations
58	728.144	USEPA Variance from a Treatment Standard
59	728.145	Treatment Standards for Hazardous Debris
60	728.146	Alternative Treatment Standards Based on HTMR
61	728.148	Universal Treatment Standards
62	728.149	Alternative LDR Treatment Standards for Contaminated Soil

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SUBPART E: PROHIBITIONS ON STORAGE

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66 Section

67	728.150	Prohibitions on Storage of Restricted Wastes
68		
69	728.APPENDIX A	Toxicity Characteristic Leaching Procedure (TCLP) (Repealed)
70	728.APPENDIX B	Treatment Standards (As concentrations in the Treatment Residual
71		Extract) (Repealed)
72	728.APPENDIX C	List of Halogenated Organic Compounds Regulated under Section
73		728.132
74	728.APPENDIX D	Wastes Excluded from Lab Packs
75	728.APPENDIX E	Organic Lab Packs (Repealed)
76	728.APPENDIX F	Technologies to Achieve Deactivation of Characteristics
77	728.APPENDIX G	Federal Effective Dates
78	728.APPENDIX H	National Capacity LDR Variances for UIC Wastes
79	728.APPENDIX I	EP Toxicity Test Method and Structural Integrity Test
80	728.APPENDIX J	Recordkeeping, Notification, and Certification Requirements (Repealed)
81	728.APPENDIX K	Metal-Bearing Wastes Prohibited from Dilution in a Combustion Unit
82		According to Section 728.103(c)
83	728.TABLE A	Constituent Concentrations in Waste Extract (CCWE)
84	728.TABLE B	Constituent Concentrations in Wastes (CCW)
85	728.TABLE C	Technology Codes and Description of Technology-Based Standards
86	728.TABLE D	Technology-Based Standards by RCRA Waste Code

87 728.TABLE E Standards for Radioactive Mixed Waste  
 88 728.TABLE F Alternative Treatment Standards for Hazardous Debris  
 89 728.TABLE G Alternative Treatment Standards Based on HTMR  
 90 728.TABLE H Wastes Excluded from CCW Treatment Standards  
 91 728.TABLE I Generator Paperwork Requirements  
 92 728.TABLE T Treatment Standards for Hazardous Wastes  
 93 728.TABLE U Universal Treatment Standards (UTS)

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 95 AUTHORITY: Implementing Sections 7.2 and 22.4 and authorized by Section 27 of the  
 96 Environmental Protection Act [415 ILCS 5/7.2, 22.4, and 27].  
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98 SOURCE: Adopted in R87-5 at 11 Ill. Reg. 19354, effective November 12, 1987; amended in  
 99 R87-39 at 12 Ill. Reg. 13046, effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 18403,  
 100 effective November 13, 1989; amended in R89-9 at 14 Ill. Reg. 6232, effective April 16, 1990;  
 101 amended in R90-2 at 14 Ill. Reg. 14470, effective August 22, 1990; amended in R90-10 at 14 Ill.  
 102 Reg. 16508, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9462, effective  
 103 June 17, 1991; amended in R90-11 at 15 Ill. Reg. 11937, effective August 12, 1991; amendment  
 104 withdrawn at 15 Ill. Reg. 14716, October 11, 1991; amended in R91-13 at 16 Ill. Reg. 9619,  
 105 effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5727, effective March 26, 1993;  
 106 amended in R93-4 at 17 Ill. Reg. 20692, effective November 22, 1993; amended in R93-16 at 18  
 107 Ill. Reg. 6799, effective April 26, 1994; amended in R94-7 at 18 Ill. Reg. 12203, effective July  
 108 29, 1994; amended in R94-17 at 18 Ill. Reg. 17563, effective November 23, 1994; amended in  
 109 R95-6 at 19 Ill. Reg. 9660, effective June 27, 1995; amended in R95-20 at 20 Ill. Reg. 11100,  
 110 effective August 1, 1996; amended in R96-10/R97-3/R97-5 at 22 Ill. Reg. 783, effective  
 111 December 16, 1997; amended in R98-12 at 22 Ill. Reg. 7685, effective April 15, 1998; amended  
 112 in R97-21/R98-3/R98-5 at 22 Ill. Reg. 17706, effective September 28, 1998; amended in R98-  
 113 21/R99-2/R99-7 at 23 Ill. Reg. 1964, effective January 19, 1999; amended in R99-15 at 23 Ill.  
 114 Reg. 9204, effective July 26, 1999; amended in R00-13 at 24 Ill. Reg. 9623, effective June 20,  
 115 2000; amended in R01-3 at 25 Ill. Reg. 1296, effective January 11, 2001; amended in R01-  
 116 21/R01-23 at 25 Ill. Reg. 9181, effective July 9, 2001; amended in R02-1/R02-12/R02-17 at 26  
 117 Ill. Reg. 6687, effective April 22, 2002; amended in R03-18 at 27 Ill. Reg. 13045, effective July  
 118 17, 2003; amended in R05-8 at 29 Ill. Reg. 6049, effective April 13, 2005; amended in R06-  
 119 5/R06-6/R06-7 at 30 Ill. Reg. 3800, effective February 23, 2006; amended in R06-16/R06-  
 120 17/R06-18 at 31 Ill. Reg. 1254, effective December 20, 2006; amended in R07-5/R07-14 at 32  
 121 Ill. Reg. 12840, effective July 14, 2008; amended in R09-3 at 33 Ill. Reg. 1186, effective  
 122 December 30, 2008; amended in R11-2/R11-16 at 35 Ill. Reg. 18131, effective October 14,  
 123 2011; amended in R12-7 at 36 Ill. Reg. 8790, effective June 4, 2012; amended in R13-15 at 37  
 124 Ill. Reg. 17951, effective October 24, 2013; amended in R16-7 at 40 Ill. Reg. \_\_\_\_\_, effective  
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 127 SUBPART A: GENERAL  
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129 **Section 728.101 Purpose, Scope, and Applicability**

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- a) This Part identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited waste may continue to be land disposed.
- b) Except as specifically provided otherwise in this Part or 35 Ill. Adm. Code 721, the requirements of this Part apply to persons that generate or transport hazardous waste and to owners and operators of hazardous waste treatment, storage, and disposal facilities.
- c) Restricted wastes may continue to be land disposed as follows:
  - 1) Where a person has been granted an extension to the effective date of a prohibition pursuant to Subpart C of this Part or pursuant to Section 728.105, with respect to those wastes covered by the extension;
  - 2) Where a person has been granted an exemption from a prohibition pursuant to a petition pursuant to Section 728.106, with respect to those wastes and units covered by the petition;
  - 3) A waste that is hazardous only because it exhibits a characteristic of hazardous waste and which is otherwise prohibited pursuant to this Part is not prohibited if the following is true of the waste:
    - A) The waste is disposed into a non-hazardous or hazardous waste injection well, as defined in 35 Ill. Adm. Code 704.106(a); and
    - B) The waste does not exhibit any prohibited characteristic of hazardous waste identified in Subpart C of 35 Ill. Adm. Code 721 at the point of injection.
  - 4) A waste that is hazardous only because it exhibits a characteristic of hazardous waste and which is otherwise prohibited pursuant to this Part is not prohibited if the waste meets any of the following criteria, unless the waste is subject to a specified method of treatment other than DEACT in Section 728.140 or is D003 reactive cyanide:
    - A) Any of the following is true of either treatment or management of the waste:
      - i) The waste is managed in a treatment system that subsequently discharges to waters of the United States pursuant to a permit issued pursuant to 35 Ill. Adm. Code

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- ii) The waste is treated for purposes of the pretreatment requirements of 35 Ill. Adm. Code 307 and 310; or
- iii) The waste is managed in a zero discharge system engaged in Clean Water Act (CWA)-equivalent treatment, as defined in Section 728.137(a); and

B) The waste no longer exhibits a prohibited characteristic of hazardous waste at the point of land disposal (i.e., placement in a surface impoundment).

- d) This Part does not affect the availability of a waiver pursuant to Section 121(d)(4) of the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 USC 9621(d)(4)).
- e) The following hazardous wastes are not subject to any provision of this Part:
  - 1) Waste generated by small quantity generators of less than 100 kg of non-acute hazardous waste or less than 1 kg of acute hazardous waste per month, as defined in 35 Ill. Adm. Code 721.105;
  - 2) Waste pesticide that a farmer disposes of pursuant to 35 Ill. Adm. Code 722.170;
  - 3) Waste identified or listed as hazardous after November 8, 1984, for which USEPA has not promulgated a land disposal prohibition or treatment standard; or
  - 4) De minimis losses of waste that exhibits a characteristic of hazardous waste to wastewaters are not considered to be prohibited waste and are defined as losses from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers or leaks from pipes, valves, or other devices used to transfer materials); minor leaks of process equipment, storage tanks, or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; rinsate from empty containers or from containers that are rendered empty by that rinsing; and laboratory waste that does not exceed one percent of the total flow of wastewater into the facility's headworks on an annual basis, or with a combined annualized average concentration not exceeding one part per million (ppm) in the

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headworks of the facility's wastewater treatment or pretreatment facility;  
or

5) ~~Land disposal prohibitions for hazardous characteristic wastes do not apply to laboratory wastes displaying the characteristic of ignitability (D001), corrosivity (D002), or organic toxicity (D012 through D043) that are mixed with other plant wastewaters at facilities whose ultimate discharge is subject to regulation pursuant to the CWA (including wastewaters at facilities that have eliminated the discharge of wastewater), provided that the annualized flow of laboratory wastewater into the facility's headworks does not exceed one percent or that the laboratory wastes' combined annualized average concentration does not exceed one part per million in the facility's headworks.~~

f) A universal waste handler or universal waste transporter (as defined in 35 Ill. Adm. Code 720.110) is exempt from Sections 728.107 and 728.150 for the hazardous wastes listed below. Such a handler or transporter is subject to regulation pursuant to 35 Ill. Adm. Code 733.

- 1) Batteries, as described in 35 Ill. Adm. Code 733.102;
- 2) Pesticides, as described in 35 Ill. Adm. Code 733.103;
- 3) Mercury-containing equipment, as described in 35 Ill. Adm. Code 733.104; and
- 4) Lamps, as described in 35 Ill. Adm. Code 733.105.

g) This Part is cumulative with the land disposal restrictions of 35 Ill. Adm. Code 729. The Environmental Protection Agency (Agency) must not issue a wastestream authorization pursuant to 35 Ill. Adm. Code 709 or Section 22.6 or 39(h) of the Environmental Protection Act [415 ILCS 5/22.6 or 39(h)] unless the waste meets the requirements of this Part as well as 35 Ill. Adm. Code 729.

h) Electronic reporting. The filing of any document pursuant to any provision of this Part as an electronic document is subject to 35 Ill. Adm. Code 720.104.

BOARD NOTE: Subsection (h) is derived from 40 CFR 3, ~~as added, and 40 CFR 271.10(b), 271.11(b), and 271.12(h) (2015) (2005), as amended at 70 Fed. Reg. 59848 (Oct. 13, 2005).~~

(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

259 **Section 728.107 Testing, Tracking, and Recordkeeping Requirements for Generators,**  
 260 **Treaters, and Disposal Facilities**

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- a) Requirements for generators.
  - 1) A generator of a hazardous waste must determine if the waste has to be treated before it can be land disposed. This is done by determining if the hazardous waste meets the treatment standards in Section 728.140, 728.145, or 728.149. This determination can be made concurrently with the hazardous waste determination required in 35 Ill. Adm. Code 722.111, in either of two ways: testing the waste or using knowledge of the waste. If the generator tests the waste, testing determines the total concentration of hazardous constituents or the concentration of hazardous constituents in an extract of the waste obtained using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a), depending on whether the treatment standard for the waste is expressed as a total concentration or concentration of hazardous constituent in the waste extract. (Alternatively, the generator must send the waste to a RCRA-permitted hazardous waste treatment facility, where the waste treatment facility must comply with the requirements of 35 Ill. Adm. Code 724.113 and subsection (b) of this Section.) In addition, some hazardous wastes must be treated by particular treatment methods before they can be land disposed and some soils are contaminated by such hazardous wastes. These treatment standards are also found in Section 728.140 and Table T of this Part, and are described in detail in Table C of this Part. These wastes and soils contaminated with such wastes do not need to be tested (however, if they are in a waste mixture, other wastes with concentration level treatment standards must be tested). If a generator determines that it is managing a waste or soil contaminated with a waste that displays a hazardous characteristic of ignitability, corrosivity, reactivity, or toxicity, the generator must comply with the special requirements of Section 728.109 in addition to any applicable requirements in this Section.
  - 2) If the waste or contaminated soil does not meet the treatment standard or if the generator chooses not to make the determination of whether its waste must be treated, the generator must send a one-time written notice to each treatment or storage facility receiving the waste with the initial shipment of waste to each treatment or storage facility, and the generator must place a copy of the one-time notice in the file. The notice must include the information in column "728.107(a)(2)" of the Generator Paperwork Requirements Table in Table I of this Part. (Alternatively, if the generator

302 chooses not to make the determination of whether the waste must be  
303 treated, the notification must include the USEPA hazardous waste  
304 numbers and manifest number of the first shipment, and it must include  
305 the following statement: "This hazardous waste may or may not be  
306 subject to the LDR treatment standards. The treatment facility must make  
307 the determination.") No further notification is necessary until such time  
308 that the waste or facility changes, in which case a new notification must be  
309 sent and a copy placed in the generator's file.  
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311 3) If the waste or contaminated soil meets the treatment standard at the  
312 original point of generation, the waste generator must do the following:  
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314 A) With the initial shipment of waste to each treatment, storage, or  
315 disposal facility, the generator must send a one-time written notice  
316 to each treatment, storage, or disposal facility receiving the waste,  
317 and place a copy in its own file. The notice must include the  
318 information indicated in column "728.107(a)(3)" of the Generator  
319 Paperwork Requirements Table in Table I of this Part and the  
320 following certification statement, signed by an authorized  
321 representative:  
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323 I certify under penalty of law that I personally have  
324 examined and am familiar with the waste through analysis  
325 and testing or through knowledge of the waste to support  
326 this certification that the waste complies with the treatment  
327 standards specified in Subpart D of 35 Ill. Adm. Code 728.  
328 I believe that the information I submitted is true, accurate,  
329 and complete. I am aware that there are significant  
330 penalties for submitting a false certification, including the  
331 possibility of a fine and imprisonment.  
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333 B) For contaminated soil, with the initial shipment of wastes to each  
334 treatment, storage, or disposal facility, the generator must send a  
335 one-time written notice to each facility receiving the waste and  
336 place a copy in the file. The notice must include the information in  
337 the column headed "(a)(3)" in Table I of this Part.  
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339 C) If the waste changes, the generator must send a new notice and  
340 certification to the receiving facility and place a copy in its files. A  
341 generator of hazardous debris excluded from the definition of  
342 hazardous waste under 35 Ill. Adm. Code 721.103(f) is not subject  
343 to these requirements.  
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- 345 4) For reporting, tracking and recordkeeping when exceptions allow certain  
 346 wastes or contaminated soil that do not meet the treatment standards to be  
 347 land disposed, there are certain exemptions from the requirement that  
 348 hazardous wastes or contaminated soil meet treatment standards before  
 349 they can be land disposed. These include, but are not limited to, case-by-  
 350 case extensions under Section 728.105, disposal in a no-migration unit  
 351 under Section 728.106, or a national capacity variance or case-by-case  
 352 capacity variance under Subpart C of this Part. If a generator's waste is so  
 353 exempt, then with the initial shipment of waste, the generator must send a  
 354 one-time written notice to each land disposal facility receiving the waste.  
 355 The notice must include the information indicated in column  
 356 "728.107(a)(4)" of the Generator Paperwork Requirements Table in Table  
 357 I of this Part. If the waste changes, the generator must send a new notice  
 358 to the receiving facility, and place a copy in its file.  
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- 360 5) If a generator is managing and treating prohibited waste or contaminated  
 361 soil in tanks, containers, or containment buildings regulated under 35 Ill.  
 362 Adm. Code 722.134 to meet applicable LDR treatment standards found at  
 363 Section 728.140, the generator must develop and follow a written waste  
 364 analysis plan that describes the procedures it will carry out to comply with  
 365 the treatment standards. (Generators treating hazardous debris under the  
 366 alternative treatment standards of Table F of this Part, however, are not  
 367 subject to these waste analysis requirements.) The plan must be kept on  
 368 site in the generator's records, and the following requirements must be  
 369 met:  
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- 371 A) The waste analysis plan must be based on a detailed chemical and  
 372 physical analysis of a representative sample of the prohibited  
 373 wastes being treated, and contain all information necessary to treat  
 374 the wastes in accordance with the requirements of this Part,  
 375 including the selected testing frequency;  
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- 377 B) Such plan must be kept in the facility's on-site files and made  
 378 available to inspectors; and  
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- 380 C) Wastes shipped off-site pursuant to this subsection (a)(5) ~~of this~~  
 381 ~~Section~~ must comply with the notification requirements of  
 382 subsection (a)(3) ~~of this Section~~.  
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- 384 6) If a generator determines that the waste or contaminated soil is restricted  
 385 based solely on its knowledge of the waste, all supporting data used to  
 386 make this determination must be retained on-site in the generator's files. If  
 387 a generator determines that the waste is restricted based on testing this

388 waste or an extract developed using Method 1311 (Toxicity Characteristic  
 389 Leaching Procedure) in "Test Methods for Evaluating Solid Waste,  
 390 Physical/Chemical Methods," USEPA publication number EPA-530/SW-  
 391 846, all waste analysis data must be retained on-site in the generator's  
 392 files.  
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394 7) If a generator determines that it is managing a prohibited waste that is  
 395 excluded from the definition of hazardous or solid waste or which is  
 396 exempt from Subtitle C regulation under 35 Ill. Adm. Code 721.102  
 397 through 721.106 subsequent to the point of generation (including  
 398 deactivated characteristic hazardous wastes that are managed in  
 399 wastewater treatment systems subject to the CWA, as specified at 35 Ill.  
 400 Adm. Code 721.104(a)(2); that are CWA-equivalent; or that are managed  
 401 in an underground injection well regulated under 35 Ill. Adm. Code 730),  
 402 the generator must place a one-time notice stating such generation,  
 403 subsequent exclusion from the definition of hazardous or solid waste or  
 404 exemption from RCRA Subtitle C regulation, and the disposition of the  
 405 waste in the generating facility's on-site file.  
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407 8) A generator must retain a copy of all notices, certifications, waste analysis  
 408 data, and other documentation produced pursuant to this Section on-site  
 409 for at least three years from the date that the waste that is the subject of  
 410 such documentation was last sent to on-site or off-site treatment, storage,  
 411 or disposal. The three-year record retention period is automatically  
 412 extended during the course of any unresolved enforcement action  
 413 regarding the regulated activity or as requested by the Agency. The  
 414 requirements of this subsection (a)(8) apply to solid wastes even when the  
 415 hazardous characteristic is removed prior to disposal, or when the waste is  
 416 excluded from the definition of hazardous or solid waste under 35 Ill.  
 417 Adm. Code 721.102 through 721.106, or exempted from RCRA Subtitle C  
 418 regulation, subsequent to the point of generation.  
 419

420 9) If a generator is managing a lab pack containing hazardous wastes and  
 421 wishes to use the alternative treatment standard for lab packs found at  
 422 Section 728.142(c), the generator must fulfill the following conditions:  
 423

424 A) With the initial shipment of waste to a treatment facility, the  
 425 generator must submit a notice that provides the information in  
 426 column "Section 728.107(a)(9)" in the Generator Paperwork  
 427 Requirements Table of Table I of this Part and the following  
 428 certification. The certification, which must be signed by an  
 429 authorized representative and must be placed in the generator's  
 430 files, must say the following:

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I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix D to 35 Ill. Adm. Code 728 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 35 Ill. Adm. Code 728.142(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

- B) No further notification is necessary until such time as the wastes in the lab pack change, or the receiving facility changes, in which case a new notice and certification must be sent and a copy placed in the generator's file.
- C) If the lab pack contains characteristic hazardous wastes (D001-D043), underlying hazardous constituents (as defined in Section 728.102(i)) need not be determined.
- D) The generator must also comply with the requirements in subsections (a)(6) and (a)(7) ~~of this Section~~.

10) Small quantity generators with tolling agreements pursuant to 35 Ill. Adm. Code 722.120(e) must comply with the applicable notification and certification requirements of subsection (a) ~~of this Section~~ for the initial shipment of the waste subject to the agreement. Such generators must retain on-site a copy of the notification and certification, together with the tolling agreement, for at least three years after termination or expiration of the agreement. The three-year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Agency.

b) The owner or operator of a treatment facility must test its wastes according to the frequency specified in its waste analysis plan, as required by 35 Ill. Adm. Code 724.113 (for permitted TSDs) or 725.113 (for interim status facilities). Such testing must be performed as provided in subsections (b)(1), (b)(2), and (b)(3) ~~of this Section~~.

1) For wastes or contaminated soil with treatment standards expressed in the waste extract (TCLP), the owner or operator of the treatment facility must test an extract of the treatment residues using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid

- 474 Waste, Physical/Chemical Methods," USEPA publication number EPA-  
 475 530/SW-846, to assure that the treatment residues extract meets the  
 476 applicable treatment standards.  
 477
- 478 2) For wastes or contaminated soil with treatment standards expressed as  
 479 concentrations in the waste, the owner or operator of the treatment facility  
 480 must test the treatment residues (not an extract of such residues) to assure  
 481 that the treatment residues meet the applicable treatment standards.  
 482
- 483 3) A one-time notice must be sent with the initial shipment of waste or  
 484 contaminated soil to the land disposal facility. A copy of the notice must  
 485 be placed in the treatment facility's file.  
 486
- 487 A) No further notification is necessary until such time that the waste  
 488 or receiving facility changes, in which case a new notice must be  
 489 sent and a copy placed in the treatment facility's file.  
 490
- 491 B) The one-time notice must include the following requirements :  
 492
- 493 i) USEPA hazardous waste number and manifest number of  
 494 first shipment;  
 495
- 496 ii) The waste is subject to the LDRs. The constituents of  
 497 concern for F001 through F005 and F039 waste and  
 498 underlying hazardous constituents in characteristic wastes,  
 499 unless the waste will be treated and monitored for all  
 500 constituents. If all constituents will be treated and  
 501 monitored, there is no need to put them all on the LDR  
 502 notice;  
 503
- 504 iii) The notice must include the applicable  
 505 wastewater/nonwastewater category (see Section  
 506 728.102(d) and (f)) and subdivisions made within a waste  
 507 code based on waste-specific criteria (such as D003  
 508 reactive cyanide);  
 509
- 510 iv) Waste analysis data (when available);  
 511
- 512 v) For contaminated soil subject to LDRs as provided in  
 513 Section 728.149(a), the constituents subject to treatment as  
 514 described in Section 728.149(d) and the following  
 515 statement, "this contaminated soil (does/does not) contain  
 516 listed hazardous waste and (does/does not) exhibit a

517 characteristic of hazardous waste and (is subject  
518 to/complies with) the soil treatment standards as provided  
519 by Section 728.149(c)"; and

520  
521 vi) A certification is needed (see applicable Section for exact  
522 wording).

523  
524 4) The owner or operator of a treatment facility must submit a certification  
525 signed by an authorized representative with the initial shipment of waste  
526 or treatment residue of a restricted waste to the land disposal facility. The  
527 certification must state as follows:

528  
529 I certify under penalty of law that I have personally examined and  
530 am familiar with the treatment technology and operation of the  
531 treatment process used to support this certification. Based on my  
532 inquiry of those individuals immediately responsible for obtaining  
533 this information, I believe that the treatment process has been  
534 operated and maintained properly so as to comply with the  
535 treatment standards specified in 35 Ill. Adm. Code 728.140 without  
536 impermissible dilution of the prohibited waste. I am aware there  
537 are significant penalties for submitting a false certification,  
538 including the possibility of fine and imprisonment.

539  
540 A certification is also necessary for contaminated soil and it must state as  
541 follows:

542  
543 I certify under penalty of law that I have personally examined and  
544 am familiar with the treatment technology and operation of the  
545 treatment process used to support this certification and believe that  
546 it has been maintained and operated properly so as to comply with  
547 treatment standards specified in 35 Ill. Adm. Code 728.149 without  
548 impermissible dilution of the prohibited wastes. I am aware there  
549 are significant penalties for submitting a false certification,  
550 including the possibility of fine and imprisonment.

551  
552 A) A copy of the certification must be placed in the treatment facility's  
553 on-site files. If the waste or treatment residue changes, or the  
554 receiving facility changes, a new certification must be sent to the  
555 receiving facility, and a copy placed in the treatment facility's file.

556  
557 B) Debris excluded from the definition of hazardous waste under 35  
558 Ill. Adm. Code 721.103(f) (i.e., debris treated by an extraction or  
559 destruction technology listed in Table F of this Part and debris that

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the Agency has determined does not contain hazardous waste) is subject to the notification and certification requirements of subsection (d) ~~of this Section~~ rather than the certification requirements of this subsection (b)(4).

- C) For wastes with organic constituents having treatment standards expressed as concentration levels, if compliance with the treatment standards is based in part or in whole on the analytical detection limit alternative specified in Section 728.140(d), the certification must be signed by an authorized representative and must state as follows:

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in Table C to 35 Ill. Adm. Code 728. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- D) For characteristic wastes that are subject to the treatment standards in Section 728.140 and Table T of this Part (other than those expressed as a required method of treatment) or Section 728.149 and which contain underlying hazardous constituents, as defined in Section 728.102(i); if these wastes are treated on-site to remove the hazardous characteristic; and that are then sent off-site for treatment of underlying hazardous constituents, the certification must state as follows:

I certify under penalty of law that the waste has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.140 and Table T of Section 728.149 of that Part to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility

of fine and imprisonment.

- E) For characteristic wastes that contain underlying hazardous constituents, as defined in Section 728.102(i), that are treated on-site to remove the hazardous characteristic and to treat underlying hazardous constituents to levels in Section 728.148 and Table U of this Part universal treatment standards, the certification must state as follows:

I certify under penalty of law that the waste has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.140 and Table T of that Part to remove the hazardous characteristic and that underlying hazardous constituents, as defined in 35 Ill. Adm. Code 728.102(i), have been treated on-site to meet the universal treatment standards of 35 Ill. Adm. Code 728.148 and Table U of that Part. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- 5) If the waste or treatment residue will be further managed at a different treatment, storage, or disposal facility, the treatment, storage, or disposal facility that sends the waste or treatment residue off-site must comply with the notice and certification requirements applicable to generators under this Section.
- 6) Where the wastes are recyclable materials used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), regarding treatment standards and prohibition levels, the owner or operator of a treatment facility (i.e., the recycler) must, for the initial shipment of waste, prepare a one-time certification described in subsection (b)(4) of this Section and a notice that includes the information listed in subsection (b)(3) of this Section (except the manifest number). The certification and notification must be placed in the facility's on-site files. If the waste or the receiving facility changes, a new certification and notification must be prepared and placed in the on-site files. In addition, the owner or operator of the recycling facility also must keep records of the name and location of each entity receiving the hazardous waste-derived product.

- c) Except where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal pursuant to 35 Ill. Adm. Code 726.120(b), the owner or operator of any land disposal facility disposing any waste subject to restrictions under this Part must do the following:

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- 1) Maintain in its files copies of the notice and certifications specified in subsection (a) or (b) ~~of this Section~~.
  - 2) Test the waste or an extract of the waste or treatment residue developed using Method 1311 (Toxicity Characteristic Leaching Procedure in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846) to assure that the waste or treatment residue is in compliance with the applicable treatment standards set forth in Subpart D of this Part. Such testing must be performed according to the frequency specified in the facility's waste analysis plan as required by 35 Ill. Adm. Code 724.113 or 35 Ill. Adm. Code 725.113.
  - 3) Where the owner or operator is disposing of any waste that is subject to the prohibitions under Section 728.133(f) but not subject to the prohibitions set forth in Section 728.132, the owner or operator must ensure that such waste is the subject of a certification according to the requirements of Section 728.108 prior to disposal in a landfill or surface impoundment unit, and that such disposal is in accordance with the requirements of Section 728.105(h)(2). The same requirement applies to any waste that is subject to the prohibitions under Section 728.133(f) and also is subject to the statutory prohibitions in the codified prohibitions in Section 728.139 or Section 728.132.
  - 4) Where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), the owner or operator is not subject to subsections (c)(1) through (c)(3) ~~of this Section~~ with respect to such waste.
- d) A generator or treater that first claims that hazardous debris is excluded from the definition of hazardous waste under 35 Ill. Adm. Code 721.103(f) (i.e., debris treated by an extraction or destruction technology provided by Table F of this Part, and debris that has been delisted) is subject to the following notification and certification requirements:
- 1) A one-time notification must be submitted to the Agency including the following information:
    - A) The name and address of the RCRA Subtitle D (municipal solid waste landfill) facility receiving the treated debris;
    - B) A description of the hazardous debris as initially generated,

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including the applicable USEPA hazardous waste numbers; and

C) For debris excluded under 35 Ill. Adm. Code ~~721.103(f)(1)~~~~721.103(e)(1)~~, the technology from Table F of this Part used to treat the debris.

2) The notification must be updated if the debris is shipped to a different facility and, for debris excluded under 35 Ill. Adm. Code ~~721.103(f)(1)~~~~721.102(f)(1)~~, if a different type of debris is treated or if a different technology is used to treat the debris.

3) For debris excluded under 35 Ill. Adm. Code ~~721.103(f)(1)~~~~721.102(f)(1)~~, the owner or operator of the treatment facility must document and certify compliance with the treatment standards of Table F of this Part, as follows:

A) Records must be kept of all inspections, evaluations, and analyses of treated debris that are made to determine compliance with the treatment standards;

B) Records must be kept of any data or information the treater obtains during treatment of the debris that identifies key operating parameters of the treatment unit; and

C) For each shipment of treated debris, a certification of compliance with the treatment standards must be signed by an authorized representative and placed in the facility's files. The certification must state as follows:

I certify under penalty of law that the debris has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.145. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment.

e) A generator or treater that first receives a determination from USEPA or the Agency that a given contaminated soil subject to LDRs, as provided in Section 728.149(a), no longer contains a listed hazardous waste and a generator or treater that first determines that a contaminated soil subject to LDRs, as provided in Section 728.149(a), no longer exhibits a characteristic of hazardous waste must do the following:

1) Prepare a one-time only documentation of these determinations including

732 all supporting information; and

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- 2) Maintain that information in the facility files and other records for a  
735 minimum of three years.

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(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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739 **Section 728.APPENDIX C List of Halogenated Organic Compounds Regulated under**  
 740 **Section 728.132**

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 742 In determining the concentration of halogenated organic compounds (HOCs) in a hazardous  
 743 waste for purposes of the Section 728.132 land disposal prohibition, USEPA has defined the  
 744 HOCs that must be included in a calculation as any compounds having a carbon-halogen bond  
 745 that are listed in this Appendix (see Section 728.102). This Appendix C to Part 728 consists of  
 746 the following compounds:

747  
 748 I. Volatiles

- 749 1. Bromodichloromethane (CAS No. 75-27-4)
- 751 2. Bromomethane (CAS No. 74-83-9)
- 752 3. Carbon Tetrachloride (tetrachloromethane) (CAS No. 56-23-5)
- 753 4. Chlorobenzene (CAS No. 108-90-7)
- 754 5. 2-Chloro-1,3-butadiene (CAS No. 126-99-8)
- 755 6. Chlorodibromomethane (CAS No. 124-48-1)
- 756 7. Chloroethane (CAS No. 75-00-3)
- 757 8. 2-Chloroethyl vinyl ether ((2-chloroethoxy)ethene) (CAS No. 110-75-8)
- 758 9. Chloroform (trichloromethane) (CAS No. 67-66-3)
- 759 10. Chloromethane (CAS No. 74-87-3)
- 760 11. 3-Chloropropene (3-chloroprop-1-ene) (CAS No. 107-05-1)
- 761 12. 1,2-Dibromo-3-chloropropane (CAS No. 96-12-8)
- 762 13. 1,2-Dibromoethane (CAS No. 106-93-4)~~1,2-Dibromomethane~~
- 763 14. Dibromomethane (CAS No. 74-95-3)
- 764 15. Trans-1,4-Dichloro-2-butene (((2E)-1,4-dichloro-2-butene)) (CAS No. 110-57-6)
- 765 16. Dichlorodifluoromethane (CAS No. 75-71-8)

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- 782 17. 1,1-Dichloroethane (CAS No. 75-34-3)  
 783  
 784 18. 1,2-Dichloroethane (CAS No. 107-06-2)  
 785  
 786 19. 1,1-Dichloroethylene (1,1-dichloroethene) (CAS No. 75-35-4)  
 787  
 788 20. Trans-1,2-Dichloroethene (((1E)-1,2-dichloroethene) (CAS No. 156-60-5)  
 789  
 790 21. 1,2-Dichloropropane (CAS No. 78-87-5)  
 791  
 792 22. Trans-1,3-Dichloropropene (((1E)-1,3-dichloroprop-1-ene) (CAS No. 10061-02-6)  
 793  
 794 23. cis-1,3-Dichloropropene (((1Z)-1,3-dichloroprop-1-ene) (CAS No. 10061-01-5)  
 795  
 796 24. Iodomethane (CAS No. 74-88-4)  
 797  
 798 25. Methylene chloride (dichloromethane) (CAS No. 75-09-2)  
 799  
 800 26. 1,1,1,2-Tetrachloroethane (CAS No. 630-20-6)  
 801  
 802 27. 1,1,2,2-Tetrachloroethane (CAS No. 79-34-5)  
 803  
 804 28. Tetrachloroethene (CAS No. 127-18-4)  
 805  
 806 29. Tribromomethane (CAS No. 75-25-2)  
 807  
 808 30. 1,1,1-Trichloroethane (CAS No. 71-55-6)  
 809  
 810 31. 1,1,2-Trichloroethane (CAS No. 79-00-5)  
 811  
 812 32. Trichloroethene (CAS No. 79-01-6)  
 813  
 814 33. Trichloromonofluoromethane (trichlorofluoromethane) (CAS No. 75-69-4)  
 815  
 816 34. 1,2,3-trichloropropane (CAS No. 96-18-4)1,2,3-Trichloropropane  
 817  
 818 35. Vinyl Chloride (chloroethene) (CAS No. 75-01-4)  
 819

820 II. Semivolatiles

- 821  
 822 1. Bis(2-chloroethoxy)ethane (1,2-bis(2-chloroethoxy)ethane) (CAS No. 112-26-5)  
 823  
 824 2. Bis(2-chloroethyl) ether (1,1'-oxybis(2-chloroethane)) (CAS No. 111-44-4)Bis(2-

- 825 chloroethyl)ether  
 826  
 827 3. Bis(2-chloroisopropyl)ether (2,2'-oxybis(2-chloropropane)) (CAS No. 39638-32-  
 828 9)  
 829  
 830 4. p-Chloroaniline (4-chlorobenzeneamine) (CAS No. 106-47-8)  
 831  
 832 5. Chlorobenzilate (ethyl 2,2-bis(4-chlorophenyl)-2-hydroxyacetate) (CAS No. 510-  
 833 15-6)  
 834  
 835 6. p-Chloro-m-cresol (4-chloro-3-methylphenol) (CAS No. 59-50-7)  
 836  
 837 7. 2-Chloronaphthalene (CAS No. 91-58-7)  
 838  
 839 8. 2-Chlorophenol (CAS No. 95-57-8)  
 840  
 841 9. 3-Chloropropionitrile (3-chloropronanenitrile) (CAS No. 542-76-7)  
 842  
 843 10. m-Dichlorobenzene (1,3-dichlorobenzene) (CAS No. 541-73-1)  
 844  
 845 11. o-Dichlorobenzene (1,2-dichlorobenzene) (CAS No. 95-50-1)  
 846  
 847 12. p-Dichlorobenzene (1,4-dichlorobenzene) (CAS No. 106-46-7)  
 848  
 849 13. 3,3',3'-Dichlorobenzidine (4-(4-amino-3-chlorophenyl)-2-chloroaniline) (CAS  
 850 No. 91-94-1)  
 851  
 852 14. 2,4-Dichlorophenol (CAS No. 120-83-2)  
 853  
 854 15. 2,6-Dichlorophenol (CAS No. 87-65-0)  
 855  
 856 16. Hexachlorobenzene (CAS No. 118-74-1)  
 857  
 858 17. Hexachlorobutadiene (hexachlorobuta-1,3-diene) (CAS No. 87-68-3)  
 859  
 860 18. Hexachlorocyclopentadiene (CAS No. 77-47-4)  
 861  
 862 19. Hexachloroethane (CAS No. 67-72-1)  
 863  
 864 20. Hexachlorophene (2,2'-methylenebis(3,4,6-trichlorophenol)) (CAS No. 70-30-4)  
 865  
 866 21. Hexachloropropene (CAS No. 1888-71-7)  
 867

- 868 22. 4,4'-Methylenebis(2-chloroaniline) (4-[(4-amino-3-chlorophenyl)methyl]-2-  
 869 chloroaniline) (CAS No. 101-14-4)  
 870  
 871 23. Pentachlorobenzene (CAS No. 608-93-5)  
 872  
 873 24. Pentachloroethane (CAS No. 76-01-7)  
 874  
 875 25. Pentachloronitrobenzene (CAS No. 82-68-8)  
 876  
 877 26. Pentachlorophenol (CAS No. 87-86-5)  
 878  
 879 27. Pronamide (3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide) (CAS No.  
 880 23950-58-5)  
 881  
 882 28. 1,2,4,5-Tetrachlorobenzene (CAS No. 95-94-3)  
 883  
 884 29. 2,3,4,6-Tetrachlorophenol (CAS No. 58-90-2)  
 885  
 886 30. 1,2,4-Trichlorobenzene (CAS No. 120-82-1)  
 887  
 888 31. 2,4,5-Trichlorophenol (CAS No. 95-95-4)  
 889  
 890 32. 2,4,6-Trichlorophenol (CAS No. 88-06-2)  
 891  
 892 33. Tris(2,3-dibromopropyl) phosphate (CAS No. 126-72-7)  
 893

894 III. Organochlorine Pesticides

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 896 1. Aldrin ((1R,4S,4aS,5S,8R,8aR)-1,2,3,4,10,10-hexachloro-1,2,4a,5,8,8a-  
 897 hexahydro-1,4:5,8-dimethanonaphthlene) (CAS No. 309-00-2)  
 898  
 899 2. alpha-BHC ( $\alpha$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-84-6)  
 900  
 901 3. beta-BHC ( $\beta$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-85-7)  
 902  
 903 4. delta-BHC ( $\delta$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 58-89-9)  
 904  
 905 5. gamma-BHC ( $\gamma$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-86-8)  
 906  
 907 6. Chlordane (1,2,4,5,6,7,8,8-octachloro-3a,4,5,5a-tetrahydro-4,7-methanoindane)  
 908 (CAS No. 57-74-9)Chlorodane  
 909  
 910 7. DDD (1,1-bis(4-chlorophenyl)-2,2-dichloroethane) (CAS No. 72-54-8)

- 911  
 912 8. DDE (1,1-bis(4-chlorophenyl)-2,2-dichloroethene) (CAS No. 72-55-9)  
 913  
 914 9. DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane) (CAS No. 50-29-3)  
 915  
 916 10. Dieldrin ((1aR,2R,2aS,3S,6R,7S,7aS)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-  
 917 octahydro-2,7:3,6-dimethanonaphtho[2,3-b]oxirene) (CAS No. 60-57-1)  
 918  
 919 11. Endosulfan I ((3α,5aβ,6α,9α,9aβ)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-  
 920 hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 959-98-8)  
 921  
 922 12. Endosulfan II ((3α,5aβ,6β,9β,9αα)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-  
 923 hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 33213-65-  
 924 9)  
 925  
 926 13. Endrin (1αα,2β,2aβ,3αα,6α,6aβ,7β,7αα)-3,4,5,6,9,9-hexachloro-  
 927 1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth(2,3-b)oxirene) (CAS No.  
 928 72-20-8)  
 929  
 930 14. Endrin aldehyde (1α,2β,2aβ,4β,4aβ,5β,6aβ,6bβ,7R\*)-2,2a,3,3,4,7-  
 931 hexachlorodecahydro-1,2,4-methenocyclopenta(c,d)pentalene-5-carboxaldehyde)  
 932 (CAS No. 7421-93-4)  
 933  
 934 15. Heptachlor (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-  
 935 indene) (CAS No. 76-44-8)  
 936  
 937 16. Heptachlor epoxide ((1aR,1bS,2R,5S,5aR,6S,6aR)-2,3,4,5,6,7,7-heptachloro-  
 938 1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2H-indeno(1,2b)oxirene) (CAS No.  
 939 1024-57-3)  
 940  
 941 17. Isodrin ((1R,4S,4aS,5R,8S,8aR)-rel-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-  
 942 hexahydro-1,4:5,8-dimethanonaphthalene) (CAS No. 465-73-6)  
 943  
 944 18. Kepone (1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-  
 945 cyclobuta(cd)pentalen-2-one) (CAS No. 143-50-0)  
 946  
 947 19. Methoxychlor (1,1'-(2,2,2-trichloroethylidene)bis(4-methoxybenzene)) (CAS No.  
 948 72-43-5)Methoxycelox  
 949  
 950 20. Toxaphene (CAS No. 8001-35-2)  
 951

952 IV. Phenoxyacetic Acid Herbicides  
 953

- 954 1. 2,4-Dichlorophenoxyacetic acid (CAS No. 94-75-7)  
 955  
 956 2. Silvex (2-(2,4,5-trichlorophenoxy)propionic acid) (CAS No. 93-72-1)  
 957  
 958 3. 2,4,5-T (2,4,5-trichlorophenoxyacetic acid) (CAS No. 93-76-5)  
 959

960 V. PCBs

- 961  
 962 1. Aroclor 1016 (CAS No. 12674-11-2)  
 963  
 964 2. Aroclor 1221 (CAS No. 11104-28-2)  
 965  
 966 3. Aroclor 1232 (CAS No. 11141-16-5)  
 967  
 968 4. Aroclor 1242 (CAS No. 53469-21-9)  
 969  
 970 5. Aroclor 1248 (CAS No. 12672-29-6)  
 971  
 972 6. Aroclor 1254 (CAS No. 11097-69-1)  
 973  
 974 7. Aroclor 1260 (CAS No. 11096-82-5)  
 975  
 976 8. PCBs not otherwise specified (CAS No. 1336-36-3)  
 977

978 VI. Dioxins and Furans

- 979  
 980 1. Hexachlorodibenzo-p-dioxins (CAS No. 34465-46-8)  
 981  
 982 2. Hexachlorodibenzofuran (CAS No. 55684-94-1)  
 983  
 984 3. Pentachlorodibenzo-p-dioxins (CAS No. 36088-22-9)  
 985  
 986 4. Pentachlorodibenzofuran (CAS No. 30402-15-4)  
 987  
 988 5. Tetrachlorodibenzo-p-dioxins (CAS No. 41903-57-5)  
 989  
 990 6. Tetrachlorodibenzofuran (CAS No. 30402-14-3; 55722-27-5)  
 991  
 992 7. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin)  
 993 (CAS No. 1746-01-6)  
 994

995 BOARD NOTE: Derived from appendix III to 40 CFR 268 (2015)(~~2010~~).  
 996

997  
998

(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

999 **Section 728.APPENDIX G Federal Effective Dates**

1000

1001 The following are the effective dates for the USEPA rules in 40 CFR 268. These generally  
 1002 became effective as Illinois rules at a later date.

1003

TABLE 1  
 EFFECTIVE DATES OF SURFACE DISPOSED WASTES (NON-SOIL AND  
 DEBRIS) REGULATED IN THE LDRS<sup>a</sup> – COMPREHENSIVE LIST

Waste code	Waste category	Effective date
D001 <sup>c</sup>	All (except High TOC Ignitable Liquids)	August 9, 1993
D001	High TOC Ignitable Liquids	August 8, 1990
D002 <sup>c</sup>	All	August 9, 1993
D003 <sup>c</sup>	Newly identified surface-disposed elemental phosphorus processing wastes	May 26, 2000
D004	Newly identified D004 and mineral processing wastes	August 24, 1998
D004	Mixed radioactive/newly identified D004 or mineral processing wastes	May 26, 2000
D005	Newly identified D005 and mineral processing wastes	August 24, 1998
D005	Mixed radioactive/newly identified D005 or mineral processing wastes	May 26, 2000
D006	Newly identified D006 and mineral processing wastes	August 24, 1998
D006	Mixed radioactive/newly identified D006 or mineral processing wastes	May 26, 2000
D007	Newly identified D007 and mineral processing wastes	August 24, 1998
D007	Mixed radioactive/newly identified D007 or mineral processing wastes	May 26, 2000
D008	Newly identified D008 and mineral processing waste	August 24, 1998
D008	Mixed radioactive/newly identified D008 or mineral processing wastes	May 26, 2000
D009	Newly identified D009 and mineral processing waste	August 24, 1998
D009	Mixed radioactive/newly identified D009 or mineral processing wastes	May 26, 2000
D010	Newly identified D010 and mineral processing wastes	August 24, 1998
D010	Mixed radioactive/newly identified D010 or mineral processing wastes	May 26, 2000
D011	Newly identified D011 and mineral processing wastes	August 24, 1998
D011	Mixed radioactive/newly identified D011 or mineral processing wastes	May 26, 2000
D012 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994

D013 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D014 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D015 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D016 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D017 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D018	Mixed with radioactive wastes	September 19, 1996
D018	All others	December 19, 1994
D019	Mixed with radioactive wastes	September 19, 1996
D019	All others	December 19, 1994
D020	Mixed with radioactive wastes	September 19, 1996
D020	All others	December 19, 1994
D021	Mixed with radioactive wastes	September 19, 1996
D021	All others	December 19, 1994
D022	Mixed with radioactive wastes	September 19, 1996
D022	All others	December 19, 1994
D023	Mixed with radioactive wastes	September 19, 1996
D023	All others	December 19, 1994
D024	Mixed with radioactive wastes	September 19, 1996
D024	All others	December 19, 1994
D025	Mixed with radioactive wastes	September 19, 1996
D025	All others	December 19, 1994
D026	Mixed with radioactive wastes	September 19, 1996
D026	All others	December 19, 1994
D027	Mixed with radioactive wastes	September 19, 1996
D027	All others	December 19, 1994
D028	Mixed with radioactive wastes	September 19, 1996
D028	All others	December 19, 1994
D029	Mixed with radioactive wastes	September 19, 1996
D029	All others	December 19, 1994
D030	Mixed with radioactive wastes	September 19, 1996
D030	All others	December 19, 1994
D031	Mixed with radioactive wastes	September 19, 1996
D031	All others	December 19, 1994

D032	Mixed with radioactive wastes	September 19, 1996
D032	All others	December 19, 1994
D033	Mixed with radioactive wastes	September 19, 1996
D033	All others	December 19, 1994
D034	Mixed with radioactive wastes	September 19, 1996
D034	All others	December 19, 1994
D035	Mixed with radioactive wastes	September 19, 1996
D035	All others	December 19, 1994
D036	Mixed with radioactive wastes	September 19, 1996
D036	All others	December 19, 1994
D037	Mixed with radioactive wastes	September 19, 1996
D037	All others	December 19, 1994
D038	Mixed with radioactive wastes	September 19, 1996
D038	All others	December 19, 1994
D039	Mixed with radioactive wastes	September 19, 1996
D039	All others	December 19, 1994
D040	Mixed with radioactive wastes	September 19, 1996
D040	All others	December 19, 1994
D041	Mixed with radioactive wastes	September 19, 1996
D041	All others	December 19, 1994
D042	Mixed with radioactive wastes	September 19, 1996
D042	All others	December 19, 1994
D043	Mixed with radioactive wastes	September 19, 1996
D043	All others	December 19, 1994
F001	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F001	All others	November 8, 1986
F002 (1,1,2-trichloroethane)	Wastewater and Nonwastewater	August 8, 1990
F002	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F002	All others	November 8, 1986
F003	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F003	All others	November 8, 1986
F004	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F004	All others	November 8, 1986

F005 (benzene, 2-ethoxy ethanol, 2-nitropropane)	Wastewater and Nonwastewater	August 8, 1990
F005	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F005	All others	November 8, 1986
F006	Wastewater	August 8, 1990
F006	Nonwastewater	August 8, 1988
F006 (cyanides)	Nonwastewater	July 8, 1989
F007	All	July 8, 1989
F008	All	July 8, 1989
F009	All	July 8, 1989
F010	All	June 8, 1989
F011 (cyanides)	Nonwastewater	December 8, 1989
F011	All others	July 8, 1989
F012 (cyanides)	Nonwastewater	December 8, 1989
F012	All others	July 8, 1989
F019	All	August 8, 1990
F020	All	November 8, 1988
F021	All	November 8, 1988
F025	All	August 8, 1990
F026	All	November 8, 1988
F027	All	November 8, 1988
F028	All	November 8, 1988
F032	Mixed with radioactive wastes	May 12, 1999
F032	All others	August 12, 1997
F034	Mixed with radioactive wastes	May 12, 1999
F034	All others	August 12, 1997
F035	Mixed with radioactive wastes	May 12, 1999
F035	All others	August 12, 1997
F037	Not generated from surface impoundment cleanouts or closures	June 30, 1993
F037	Generated from surface impoundment cleanouts or closures	June 30, 1994
F037	Mixed with radioactive wastes	June 30, 1994
F038	Not generated from surface impoundment cleanouts or closures	June 30, 1993
F038	Generated from surface impoundment cleanouts or closures	June 30, 1994
F038	Mixed with radioactive wastes	June 30, 1994
F039	Wastewater	August 8, 1990
F039	Nonwastewater	May 8, 1992

K001 (organics) <sup>b</sup>	All	August 8, 1988
K001	All others	August 8, 1988
K002	All	August 8, 1990
K003	All	August 8, 1990
K004	Wastewater	August 8, 1990
K004	Nonwastewater	August 8, 1988
K005	Wastewater	August 8, 1990
K005	Nonwastewater	June 8, 1989
K006	All	August 8, 1990
K007	Wastewater	August 8, 1990
K007	Nonwastewater	June 8, 1989
K008	Wastewater	August 8, 1990
K008	Nonwastewater	August 8, 1988
K009	All	June 8, 1989
K010	All	June 8, 1989
K011	Wastewater	August 8, 1990
K011	Nonwastewater	June 8, 1989
K013	Wastewater	August 8, 1990
K013	Nonwastewater	June 8, 1989
K014	Wastewater	August 8, 1990
K014	Nonwastewater	June 8, 1989
K015	Wastewater	August 8, 1988
K015	Nonwastewater	August 8, 1990
K016	All	August 8, 1988
K017	All	August 8, 1990
K018	All	August 8, 1988
K019	All	August 8, 1988
K020	All	August 8, 1988
K021	Wastewater	August 8, 1990
K021	Nonwastewater	August 8, 1988
K022	Wastewater	August 8, 1990
K022	Nonwastewater	August 8, 1988
K023	All	June 8, 1989
K024	All	August 8, 1988
K025	Wastewater	August 8, 1990
K025	Nonwastewater	August 8, 1988
K026	All	August 8, 1990
K027	All	June 8, 1989
K028 (metals)	Nonwastewater	August 8, 1990
K028	All others	June 8, 1989
K029	Wastewater	August 8, 1990
K029	Nonwastewater	June 8, 1989
K030	All	August 8, 1988

K031	Wastewater	August 8, 1990
K031	Nonwastewater	May 8, 1992
K032	All	August 8, 1990
K033	All	August 8, 1990
K034	All	August 8, 1990
K035	All	August 8, 1990
K036	Wastewater	June 8, 1989
K036	Nonwastewater	August 8, 1988
K037 <sup>b</sup>	Wastewater	August 8, 1988
K037	Nonwastewater	August 8, 1988
K038	All	June 8, 1989
K039	All	June 8, 1989
K040	All	June 8, 1989
K041	All	August 8, 1990
K042	All	August 8, 1990
K043	All	June 8, 1989
K044	All	August 8, 1988
K045	All	August 8, 1988
K046 (Nonreactive)	Nonwastewater	August 8, 1988
K046	All others	August 8, 1990
K047	All	August 8, 1988
K048	Wastewater	August 8, 1990
K048	Nonwastewater	November 8, 1990
K049	Wastewater	August 8, 1990
K049	Nonwastewater	November 8, 1990
K050	Wastewater	August 8, 1990
K050	Nonwastewater	November 8, 1990
K051	Wastewater	August 8, 1990
K051	Nonwastewater	November 8, 1990
K052	Wastewater	August 8, 1990
K052	Nonwastewater	November 8, 1990
K060	Wastewater	August 8, 1990
K060	Nonwastewater	August 8, 1988
K061	Wastewater	August 8, 1990
K061	Nonwastewater	June 30, 1992
K062	All	August 8, 1988
K069 (non-calcium sulfate)	Nonwastewater	August 8, 1988
K069	All others	August 8, 1990
K071	All	August 8, 1990
K073	All	August 8, 1990
K083	All	August 8, 1990
K084	Wastewater	August 8, 1990

K084	Nonwastewater	May 8, 1992
K085	All	August 8, 1990
K086 (organics) <sup>b</sup>	All	August 8, 1988
K086	All others	August 8, 1988
K087	All	August 8, 1988
K088	<del>Mixed with radioactive wastes</del>	<del>April 8, 1998</del>
K088	All others	October 8, 1997
<u>K088</u>	<u>All others</u>	<u>January 8, 1997</u>
K093	All	June 8, 1989
K094	All	June 8, 1989
K095	Wastewater	August 8, 1990
K095	Nonwastewater	June 8, 1989
K096	Wastewater	August 8, 1990
K096	Nonwastewater	June 8, 1989
K097	All	August 8, 1990
K098	All	August 8, 1990
K099	All	August 8, 1988
K100	Wastewater	August 8, 1990
K100	Nonwastewater	August 8, 1988
K101 (organics)	Wastewater	August 8, 1988
K101 (metals)	Wastewater	August 8, 1990
K101 (organics)	Nonwastewater	August 8, 1988
K101 (metals)	Nonwastewater	May 8, 1992
K102 (organics)	Wastewater	August 8, 1988
K102 (metals)	Wastewater	August 8, 1990
K102 (organics)	Nonwastewater	August 8, 1988
K102 (metals)	Nonwastewater	May 8, 1992
K103	All	August 8, 1988
K104	All	August 8, 1988
K105	All	August 8, 1990
K106	Wastewater	August 8, 1990
K106	Nonwastewater	May 8, 1992
K107	Mixed with radioactive wastes	June 30, 1994
K107	All others	November 9, 1992
K108	Mixed with radioactive wastes	June 30, 1994
K108	All others	November 9, 1992
K109	Mixed with radioactive wastes	June 30, 1994
K109	All others	November 9, 1992
K110	Mixed with radioactive wastes	June 30, 1994
K110	All others	November 9, 1992
K111	Mixed with radioactive wastes	June 30, 1994
K111	All others	November 9, 1992
K112	Mixed with radioactive wastes	June 30, 1994

K112	All others	November 9, 1992
K113	All	June 8, 1989
K114	All	June 8, 1989
K115	All	June 8, 1989
K116	All	June 8, 1989
K117	Mixed with radioactive wastes	June 30, 1994
K117	All others	November 9, 1992
K118	Mixed with radioactive wastes	June 30, 1994
K118	All others	November 9, 1992
K123	Mixed with radioactive wastes	June 30, 1994
K123	All others	November 9, 1992
K124	Mixed with radioactive wastes	June 30, 1994
K124	All others	November 9, 1992
K125	Mixed with radioactive wastes	June 30, 1994
K125	All others	November 9, 1992
K126	Mixed with radioactive wastes	June 30, 1994
K126	All others	November 9, 1992
K131	Mixed with radioactive wastes	June 30, 1994
K131	All others	November 9, 1992
K132	Mixed with radioactive wastes	June 30, 1994
K132	All others	November 9, 1992
K136	Mixed with radioactive wastes	June 30, 1994
K136	All others	November 9, 1992
K141	Mixed with radioactive wastes	September 19, 1996
K141	All others	December 19, 1994
K142	Mixed with radioactive wastes	September 19, 1996
K142	All others	December 19, 1994
K143	Mixed with radioactive wastes	September 19, 1996
K143	All others	December 19, 1994
K144	Mixed with radioactive wastes	September 19, 1996
K144	All others	December 19, 1994
K145	Mixed with radioactive wastes	September 19, 1996
K145	All others	December 19, 1994
K147	Mixed with radioactive wastes	September 19, 1996
K147	All others	December 19, 1994
K148	Mixed with radioactive wastes	September 19, 1996
K148	All others	December 19, 1994
K149	Mixed with radioactive wastes	September 19, 1996
K149	All others	December 19, 1994
K150	Mixed with radioactive wastes	September 19, 1996
K150	All others	December 19, 1994
K151	Mixed with radioactive wastes	September 19, 1996
K151	All others	December 19, 1994

K156	Mixed with radioactive wastes	April 8, 1998
K156	All others	July 8, 1996
K157	Mixed with radioactive wastes	April 8, 1998
K157	All others	July 8, 1996
K158	Mixed with radioactive wastes	April 8, 1998
K158	All others	July 8, 1996
K159	Mixed with radioactive wastes	April 8, 1998
K159	All others	July 8, 1996
K160	Mixed with radioactive wastes	April 8, 1998
K160	All others	July 8, 1996
K161	Mixed with radioactive wastes	April 8, 1998
K161	All others	July 8, 1996
K169	All	February 8, 1999
K170	All	February 8, 1999
K171	All	February 8, 1999
K172	All	February 8, 1999
K174	All	May 7, 2001
K175	All	May 7, 2001
K176	All	May 20, 2002
K177	All	May 20, 2002
K178	All	May 20, 2002
K181	All	August 23, 2005
P001	All	August 8, 1990
P002	All	August 8, 1990
P003	All	August 8, 1990
P004	All	August 8, 1990
P005	All	August 8, 1990
P006	All	August 8, 1990
P007	All	August 8, 1990
P008	All	August 8, 1990
P009	All	August 8, 1990
P010	Wastewater	August 8, 1990
P010	Nonwastewater	May 8, 1992
P011	Wastewater	August 8, 1990
P011	Nonwastewater	May 8, 1992
P012	Wastewater	August 8, 1990
P012	Nonwastewater	May 8, 1992
P013 (barium)	Nonwastewater	August 8, 1990
P013	All others	June 8, 1989
P014	All	August 8, 1990
P015	All	August 8, 1990
P016	All	August 8, 1990
P017	All	August 8, 1990

P018	All	August 8, 1990
P020	All	August 8, 1990
P021	All	June 8, 1989
P022	All	August 8, 1990
P023	All	August 8, 1990
P024	All	August 8, 1990
P026	All	August 8, 1990
P027	All	August 8, 1990
P028	All	August 8, 1990
P029	All	June 8, 1989
P030	All	June 8, 1989
P031	All	August 8, 1990
P033	All	August 8, 1990
P034	All	August 8, 1990
P036	Wastewater	August 8, 1990
P036	Nonwastewater	May 8, 1992
P037	All	August 8, 1990
P038	Wastewater	August 8, 1990
P038	Nonwastewater	May 8, 1992
P039	All	June 8, 1989
P040	All	June 8, 1989
P041	All	June 8, 1989
P042	All	August 8, 1990
P043	All	June 8, 1989
P044	All	June 8, 1989
P045	All	August 8, 1990
P046	All	August 8, 1990
P047	All	August 8, 1990
P048	All	August 8, 1990
P049	All	August 8, 1990
P050	All	August 8, 1990
P051	All	August 8, 1990
P054	All	August 8, 1990
P056	All	August 8, 1990
P057	All	August 8, 1990
P058	All	August 8, 1990
P059	All	August 8, 1990
P060	All	August 8, 1990
P062	All	June 8, 1989
P063	All	June 8, 1989
P064	All	August 8, 1990
P065	Wastewater	August 8, 1990
P065	Nonwastewater	May 8, 1992

P066	All	August 8, 1990
P067	All	August 8, 1990
P068	All	August 8, 1990
P069	All	August 8, 1990
P070	All	August 8, 1990
P071	All	June 8, 1989
P072	All	August 8, 1990
P073	All	August 8, 1990
P074	All	June 8, 1989
P075	All	August 8, 1990
P076	All	August 8, 1990
P077	All	August 8, 1990
P078	All	August 8, 1990
P081	All	August 8, 1990
P082	All	August 8, 1990
P084	All	August 8, 1990
P085	All	June 8, 1989
P087	All	May 8, 1992
P088	All	August 8, 1990
P089	All	June 8, 1989
P092	Wastewater	August 8, 1990
P092	Nonwastewater	May 8, 1992
P093	All	August 8, 1990
P094	All	June 8, 1989
P095	All	August 8, 1990
P096	All	August 8, 1990
P097	All	June 8, 1989
P098	All	June 8, 1989
P099 (silver)	Wastewater	August 8, 1990
P099	All others	June 8, 1989
P101	All	August 8, 1990
P102	All	August 8, 1990
P103	All	August 8, 1990
P104 (silver)	Wastewater	August 8, 1990
P104	All others	June 8, 1989
P105	All	August 8, 1990
P106	All	June 8, 1989
P108	All	August 8, 1990
P109	All	June 8, 1989
P110	All	August 8, 1990
P111	All	June 8, 1989
P112	All	August 8, 1990
P113	All	August 8, 1990

P114	All	August 8, 1990
P115	All	August 8, 1990
P116	All	August 8, 1990
P118	All	August 8, 1990
P119	All	August 8, 1990
P120	All	August 8, 1990
P121	All	June 8, 1989
P122	All	August 8, 1990
P123	All	August 8, 1990
P127	Mixed with radioactive wastes	April 8, 1998
P127	All others	July 8, 1996
P128	Mixed with radioactive wastes	April 8, 1998
P128	All others	July 8, 1996
P185	Mixed with radioactive wastes	April 8, 1998
P185	All others	July 8, 1996
P188	Mixed with radioactive wastes	April 8, 1998
P188	All others	July 8, 1996
P189	Mixed with radioactive wastes	April 8, 1998
P189	All others	July 8, 1996
P190	Mixed with radioactive wastes	April 8, 1998
P190	All others	July 8, 1996
P191	Mixed with radioactive wastes	April 8, 1998
P191	All others	July 8, 1996
P192	Mixed with radioactive wastes	April 8, 1998
P192	All others	July 8, 1996
P194	Mixed with radioactive wastes	April 8, 1998
P194	All others	July 8, 1996
P196	Mixed with radioactive wastes	April 8, 1998
P196	All others	July 8, 1996
P197	Mixed with radioactive wastes	April 8, 1998
P197	All others	July 8, 1996
P198	Mixed with radioactive wastes	April 8, 1998
P198	All others	July 8, 1996
P199	Mixed with radioactive wastes	April 8, 1998
P199	All others	July 8, 1996
P201	Mixed with radioactive wastes	April 8, 1998
P201	All others	July 8, 1996
P202	Mixed with radioactive wastes	April 8, 1998
P202	All others	July 8, 1996
P203	Mixed with radioactive wastes	April 8, 1998
P203	All others	July 8, 1996
P204	Mixed with radioactive wastes	April 8, 1998
P204	All others	July 8, 1996

P205	Mixed with radioactive wastes	April 8, 1998
P205	All others	July 8, 1996
U001	All	August 8, 1990
U002	All	August 8, 1990
U003	All	August 8, 1990
U004	All	August 8, 1990
U005	All	August 8, 1990
U006	All	August 8, 1990
U007	All	August 8, 1990
U008	All	August 8, 1990
U009	All	August 8, 1990
U010	All	August 8, 1990
U011	All	August 8, 1990
U012	All	August 8, 1990
U014	All	August 8, 1990
U015	All	August 8, 1990
U016	All	August 8, 1990
U017	All	August 8, 1990
U018	All	August 8, 1990
U019	All	August 8, 1990
U020	All	August 8, 1990
U021	All	August 8, 1990
U022	All	August 8, 1990
U023	All	August 8, 1990
U024	All	August 8, 1990
U025	All	August 8, 1990
U026	All	August 8, 1990
U027	All	August 8, 1990
U028	All	June 8, 1989
U029	All	August 8, 1990
U030	All	August 8, 1990
U031	All	August 8, 1990
U032	All	August 8, 1990
U033	All	August 8, 1990
U034	All	August 8, 1990
U035	All	August 8, 1990
U036	All	August 8, 1990
U037	All	August 8, 1990
U038	All	August 8, 1990
U039	All	August 8, 1990
U041	All	August 8, 1990
U042	All	August 8, 1990
U043	All	August 8, 1990

U044	All	August 8, 1990
U045	All	August 8, 1990
U046	All	August 8, 1990
U047	All	August 8, 1990
U048	All	August 8, 1990
U049	All	August 8, 1990
U050	All	August 8, 1990
U051	All	August 8, 1990
U052	All	August 8, 1990
U053	All	August 8, 1990
U055	All	August 8, 1990
U056	All	August 8, 1990
U057	All	August 8, 1990
U058	All	June 8, 1989
U059	All	August 8, 1990
U060	All	August 8, 1990
U061	All	August 8, 1990
U062	All	August 8, 1990
U063	All	August 8, 1990
U064	All	August 8, 1990
U066	All	August 8, 1990
U067	All	August 8, 1990
U068	All	August 8, 1990
U069	All	June 30, 1992
U070	All	August 8, 1990
U071	All	August 8, 1990
U072	All	August 8, 1990
U073	All	August 8, 1990
U074	All	August 8, 1990
U075	All	August 8, 1990
U076	All	August 8, 1990
U077	All	August 8, 1990
U078	All	August 8, 1990
U079	All	August 8, 1990
U080	All	August 8, 1990
U081	All	August 8, 1990
U082	All	August 8, 1990
U083	All	August 8, 1990
U084	All	August 8, 1990
U085	All	August 8, 1990
U086	All	August 8, 1990
U087	All	June 8, 1989
U088	All	June 8, 1989

U089	All	August 8, 1990
U090	All	August 8, 1990
U091	All	August 8, 1990
U092	All	August 8, 1990
U093	All	August 8, 1990
U094	All	August 8, 1990
U095	All	August 8, 1990
U096	All	August 8, 1990
U097	All	August 8, 1990
U098	All	August 8, 1990
U099	All	August 8, 1990
U101	All	August 8, 1990
U102	All	June 8, 1989
U103	All	August 8, 1990
U105	All	August 8, 1990
U106	All	August 8, 1990
U107	All	June 8, 1989
U108	All	August 8, 1990
U109	All	August 8, 1990
U110	All	August 8, 1990
U111	All	August 8, 1990
U112	All	August 8, 1990
U113	All	August 8, 1990
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U115	All	August 8, 1990
U116	All	August 8, 1990
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U133	All	August 8, 1990

U134	All	August 8, 1990
U135	All	August 8, 1990
U136	Wastewater	August 8, 1990
U136	Nonwastewater	May 8, 1992
U137	All	August 8, 1990
U138	All	August 8, 1990
U140	All	August 8, 1990
U141	All	August 8, 1990
U142	All	August 8, 1990
U143	All	August 8, 1990
U144	All	August 8, 1990
U145	All	August 8, 1990
U146	All	August 8, 1990
U147	All	August 8, 1990
U148	All	August 8, 1990
U149	All	August 8, 1990
U150	All	August 8, 1990
U151	Wastewater	August 8, 1990
U151	Nonwastewater	May 8, 1992
U152	All	August 8, 1990
U153	All	August 8, 1990
U154	All	August 8, 1990
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U188	All	August 8, 1990
U189	All	August 8, 1990
U190	All	June 8, 1989
U191	All	August 8, 1990
U192	All	August 8, 1990
U193	All	August 8, 1990
U194	All	June 8, 1989
U196	All	August 8, 1990
U197	All	August 8, 1990
U200	All	August 8, 1990
U201	All	August 8, 1990
U203	All	August 8, 1990
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U216	All	August 8, 1990
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U219	All	August 8, 1990
U220	All	August 8, 1990
U221	All	June 8, 1989
U222	All	August 8, 1990
U223	All	June 8, 1989
U225	All	August 8, 1990

U226	All	August 8, 1990
U227	All	August 8, 1990
U228	All	August 8, 1990
U234	All	August 8, 1990
U235	All	June 8, 1989
U236	All	August 8, 1990
U237	All	August 8, 1990
U238	All	August 8, 1990
U239	All	August 8, 1990
U240	All	August 8, 1990
U243	All	August 8, 1990
U244	All	August 8, 1990
U246	All	August 8, 1990
U247	All	August 8, 1990
U248	All	August 8, 1990
U249	All	August 8, 1990
U271	Mixed with radioactive wastes	April 8, 1998
U271	All others	July 8, 1996
U277	Mixed with radioactive wastes	April 8, 1998
U277	All others	July 8, 1996
U278	Mixed with radioactive wastes	April 8, 1998
U278	All others	July 8, 1996
U279	Mixed with radioactive wastes	April 8, 1998
U279	All others	July 8, 1996
U280	Mixed with radioactive wastes	April 8, 1998
U280	All others	July 8, 1996
U328	Mixed with radioactive wastes	June 30, 1994
U328	All others	November 9, 1992
U353	Mixed with radioactive wastes	June 30, 1994
U353	All others	November 9, 1992
U359	Mixed with radioactive wastes	June 30, 1994
U359	All others	November 9, 1992
U364	Mixed with radioactive wastes	April 8, 1998
U364	All others	July 8, 1996
U365	Mixed with radioactive wastes	April 8, 1998
U365	All others	July 8, 1996
U366	Mixed with radioactive wastes	April 8, 1998
U366	All others	July 8, 1996
U367	Mixed with radioactive wastes	April 8, 1998
U367	All others	July 8, 1996
U372	Mixed with radioactive wastes	April 8, 1998
U372	All others	July 8, 1996
U373	Mixed with radioactive wastes	April 8, 1998

U373	All others	July 8, 1996
U375	Mixed with radioactive wastes	April 8, 1998
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U378	Mixed with radioactive wastes	April 8, 1998
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U395	All others	July 8, 1996
U396	Mixed with radioactive wastes	April 8, 1998
U396	All others	July 8, 1996
U400	Mixed with radioactive wastes	April 8, 1998
U400	All others	July 8, 1996

U401	Mixed with radioactive wastes	April 8, 1998
U401	All others	July 8, 1996
U402	Mixed with radioactive wastes	April 8, 1998
U402	All others	July 8, 1996
U403	Mixed with radioactive wastes	April 8, 1998
U403	All others	July 8, 1996
U404	Mixed with radioactive wastes	April 8, 1998
U404	All others	July 8, 1996
U407	Mixed with radioactive wastes	April 8, 1998
U407	All others	July 8, 1996
U409	Mixed with radioactive wastes	April 8, 1998
U409	All others	July 8, 1996
U410	Mixed with radioactive wastes	April 8, 1998
U410	All others	July 8, 1996
U411	Mixed with radioactive wastes	April 8, 1998
U411	All others	July 8, 1996

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<sup>a</sup> This table also does not include contaminated soil and debris wastes.

<sup>b</sup> The standard was revised in the Third Third Final Rule (adopted by USEPA at 55 Fed. Reg. 22520 (June 1, 1990), which the Board adopted in docket R90-11 at 15 Ill. Reg. 9462, effective June 17, 1991.

<sup>c</sup> USEPA amended the standard in the Third Third Emergency Rule (at 58 Fed. Reg. 29860 (May 24, 1993), which the Board adopted in docket R93-16 at 18 Ill. Reg. 6799, effective April 26, 1994); the original effective date was August 8, 1990.

<sup>d</sup> The standard was revised in the Phase II Final Rule (that USEPA adopted at 59 Fed. Reg. 47982 (September 19, 1994), which the Board adopted in docket R95-6 at 19 Ill. Reg. 9660, effective June 27, 1995); the original effective date was August 8, 1990.

<sup>e</sup> The standards for selected reactive wastes was revised in the Phase III Final Rule (that USEPA adopted at 61 Fed. Reg. 15566 (April 8, 1996), which the Board adopted in docket R96-10/R97-3/R97-5 (consolidated) at 22 Ill. Reg. 783, effective December 16, 1997); the original effective date was August 8, 1990.

TABLE 2  
SUMMARY OF EFFECTIVE DATES OF LAND DISPOSAL RESTRICTIONS  
FOR CONTAMINATED SOIL AND DEBRIS (CSD)

Restricted hazardous waste in CSD	Effective date
1. Solvent-(F001-F005) and dioxin-(F020-F023 and F026-F028) containing soil and debris from CERCLA response or RCRA corrective actions.	November 8, 1990

- |     |  |                      |
|-----|--|----------------------|
| 2.  | Soil and debris not from CERCLA response or RCRA corrective actions contaminated with less than one percent total solvents (F001-F005) or dioxins (F020-F023 and F026-F028).   | November 8, 1988     |
| 3.  | All soil and debris contaminated with First Third wastes for which treatment standards are based on incineration.  | August 8, 1990       |
| 4.  | All soil and debris contaminated with Second Third wastes for which treatment standards are based on incineration.   | June 8, 1991         |
| 5.  | All soil and debris contaminated with Third Third wastes or, First or Second Third "soft hammer" wastes that had treatment standards promulgated in the Third Third rule, for which treatment standards are based on incineration, vitrification, or mercury retorting, acid leaching followed by chemical precipitation, or thermal recovery of metals, as well as all inorganic solids debris contaminated with D004-D011 wastes, and all soil and debris contaminated with mixed RCRA/radioactive wastes. | May 8, 1992          |
| 6.  | Soil and debris contaminated with D012-D043, K141-K145, and K147-151 wastes.   | December 19,<br>1994 |
| 7.  | Debris (only) contaminated with F037, F038, K107-K112, K117, K118, K123-K126, K131, K132, K136, U328, U353, U359.  | December 19,<br>1994 |
| 8.  | Soil and debris contaminated with K156- K161, P127, P128, P188-P192, P194, P196- P199, P201-P205, U271, U277-U280, U364-U367, U372, U373, U375-U379, U381-U387, U389-U396, U400-U404, U407, and U409-U411 wastes.  | July 8, 1996         |
| 9.  | Soil and debris contaminated with K088 wastes.   | October 8, 1997      |
| 10. | Soil and debris contaminated with radioactive wastes mixed with K088, K156-K161, P127, P128, P188-P192, P194, P196-P199, P201-P205, U271, U277-U280, U364-U367, U372, U373, U375-U379, U381-U387, U389-U396, U400-U404, U407, and U409-U411 wastes.  | April 8, 1998        |
| 11. | Soil and debris contaminated with F032, F034, and F035.  | May 12, 1997         |
| 12. | Soil and debris contaminated with newly identified D004-D011 toxicity characteristic wastes and mineral processing wastes.   | August 24, 1998      |
| 13. | Soil and debris contaminated with mixed radioactive newly identified D011 characteristic wastes and mineral processing wastes.   | May 26, 2000         |

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BOARD NOTE: These tables are provided for the convenience of the reader.

(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

1033 **Section 728.TABLE C Technology Codes and Description of Technology-Based Standards**

1034	Technology	Description of Technology-Based Standard
1035	Code	Description of Technology-Based Standard
1036	ADGAS	Venting of compressed gases into an absorbing or reacting media (i.e., solid or liquid) – venting can be accomplished through physical release utilizing valves or piping; physical penetration of the container; or penetration through detonation.
1037		
1038		
1039		
1040		
1041	AMLGM	Amalgamation of liquid, elemental mercury contaminated with radioactive materials utilizing inorganic reagents such as copper, zinc, nickel, gold, and sulfur that result in a nonliquid, semi-solid amalgam and thereby reducing potential emissions of elemental mercury vapors to the air.
1042		
1043		
1044		
1045		
1046		
1047	BIODG	Biodegradation of organics or non-metallic inorganics (i.e., degradable inorganics that contain the elements of phosphorus, nitrogen, and sulfur) in units operated under either aerobic or anaerobic conditions such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the biodegradation of many organic constituents that cannot be directly analyzed in wastewater residues).
1048		
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1054		
1055	CARBN	Carbon adsorption (granulated or powdered) of non-metallic inorganics, organo-metallics, or organic constituents, operated so that a surrogate compound or indicator parameter has not undergone breakthrough (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the adsorption of many organic constituents that cannot be directly analyzed in wastewater residues). Breakthrough occurs when the carbon has become saturated with the constituent (or indicator parameter) and substantial change in adsorption rate associated with that constituent occurs.
1056		
1057		
1058		
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1060		
1061		
1062		
1063		
1064	CHOXD	Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations or reagents: <ol style="list-style-type: none"> <li data-bbox="375 1507 821 1539">1) hypochlorite (e.g., bleach);</li> <li data-bbox="375 1581 591 1612">2) chlorine;</li> <li data-bbox="375 1654 695 1686">3) chlorine dioxide;</li> <li data-bbox="375 1728 1065 1759">4) ozone or UV (ultraviolet light) assisted ozone;</li> <li data-bbox="375 1801 610 1833">5) peroxides;</li> </ol>
1065		
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- 1076  
 1077 6) persulfates;  
 1078  
 1079 7) perchlorates;  
 1080  
 1081 8) permanganates; or  
 1082  
 1083 9) other oxidizing reagents of equivalent efficiency, performed in units  
 1084 operated so that a surrogate compound or indicator parameter has been  
 1085 substantially reduced in concentration in the residuals (e.g., total organic  
 1086 carbon (TOC) can often be used as an indicator parameter for the  
 1087 oxidation of many organic constituents that cannot be directly analyzed in  
 1088 wastewater residues). Chemical oxidation specifically includes what is  
 1089 commonly referred to as alkaline chlorination.  
 1090  
 1091 CHRED Chemical reduction utilizing the following reducing reagents (or waste reagents)  
 1092 or combinations of reagents:  
 1093  
 1094 1) sulfur dioxide;  
 1095  
 1096 2) sodium, potassium, or alkali salts of sulfites, bisulfites, metabisulfites, and  
 1097 polyethylene glycols (e.g., NaPEG and KPEG);  
 1098  
 1099 3) sodium hydrosulfide;  
 1100  
 1101 4) ferrous salts; or  
 1102  
 1103 5) other reducing reagents of equivalent efficiency, performed in units  
 1104 operated such that a surrogate compound or indicator parameter has been  
 1105 substantially reduced in concentration in the residuals (e.g., total organic  
 1106 halogens (TOX) can often be used as an indicator parameter for the  
 1107 reduction of many halogenated organic constituents that cannot be directly  
 1108 analyzed in wastewater residues). Chemical reduction is commonly used  
 1109 for the reduction of hexavalent chromium to the trivalent state.  
 1110  
 1111 CMBST High temperature organic destruction technologies, such as combustion in  
 1112 incinerators, boilers, or industrial furnaces operated in accordance with the  
 1113 applicable requirements of Subpart O of 35 Ill. Adm. Code 724, Subpart O of 35  
 1114 Ill. Adm. Code 725, or Subpart H of 35 Ill. Adm. Code 726, and in other units  
 1115 operated in accordance with applicable technical operating requirements; and  
 1116 certain non-combustive technologies, such as the Catalytic Extraction Process.  
 1117

1118	DEACT	Deactivation to remove the hazardous characteristics of a waste due to its
1119		ignitability, corrosivity, or reactivity.
1120		
1121	FSUBS	Fuel substitution in units operated in accordance with applicable technical
1122		operating requirements.
1123		
1124	HLVIT	Vitrification of high-level mixed radioactive wastes in units in compliance with
1125		all applicable radioactive protection requirements under control of the federal
1126		Nuclear Regulatory Commission.
1127		
1128	IMERC	Incineration of wastes containing organics and mercury in units operated in
1129		accordance with the technical operating requirements of Subpart O of 35 Ill. Adm.
1130		Code 724 or Subpart O of 35 Ill. Adm. Code 725. All wastewater and
1131		nonwastewater residues derived from this process must then comply with the
1132		corresponding treatment standards per waste code with consideration of any
1133		applicable subcategories (e.g., high or low mercury subcategories).
1134		
1135	INCIN	Incineration in units operated in accordance with the technical operating
1136		requirements of Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm.
1137		Code 725.
1138		
1139	LLEXT	Liquid-liquid extraction (often referred to as solvent extraction) of organics from
1140		liquid wastes into an immiscible solvent for which the hazardous constituents
1141		have a greater solvent affinity, resulting in an extract high in organics that must
1142		undergo either incineration, reuse as a fuel, or other recovery or reuse and a
1143		raffinate (extracted liquid waste) proportionately low in organics that must
1144		undergo further treatment as specified in the standard.
1145		
1146	MACRO	Macroencapsulation with surface coating materials such as polymeric organics
1147		(e.g., resins and plastics) or with a jacket of inert inorganic materials to
1148		substantially reduce surface exposure to potential leaching media.
1149		Macroencapsulation specifically does not include any material that would be
1150		classified as a tank or container according to 35 Ill. Adm. Code 720.110.
1151		
1152	NEUTR	Neutralization with the following reagents (or waste reagents) or combinations of
1153		reagents:
1154		
1155		1) acids;
1156		
1157		2) bases; or
1158		
1159		3) water (including wastewaters) resulting in a pH greater than two but less
1160		than 12.5 as measured in the aqueous residuals.

1161		
1162	NLDBR	No land disposal based on recycling.
1163		
1164	POLYM	Formation of complex high-molecular weight solids through polymerization of monomers in high-TOC D001 nonwastewaters that are chemical components in the manufacture of plastics.
1165		
1166		
1167		
1168	PRECP	Chemical precipitation of metals and other inorganics as insoluble precipitates of oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, fluorides, or phosphates. The following reagents (or waste reagents) are typically used alone or in combination:
1169		
1170		
1171		
1172		
1173		1) lime (i.e., containing oxides or hydroxides of calcium or magnesium);
1174		
1175		2) caustic (i.e., sodium or potassium hydroxides);
1176		
1177		3) soda ash (i.e., sodium carbonate);
1178		
1179		4) sodium sulfide;
1180		
1181		5) ferric sulfate or ferric chloride;
1182		
1183		6) alum; or
1184		
1185		7) sodium sulfate. Additional flocculating, coagulation, or similar reagents or processes that enhance sludge dewatering characteristics are not precluded from use.
1186		
1187		
1188		
1189	RBERY	Thermal recovery of beryllium.
1190		
1191	RCGAS	Recovery or reuse of compressed gases including techniques such as reprocessing of the gases for reuse or resale; filtering or adsorption of impurities; remixing for direct reuse or resale; and use of the gas as a fuel source.
1192		
1193		
1194		
1195	RCORR	Recovery of acids or bases utilizing one or more of the following recovery technologies:
1196		
1197		
1198		1) distillation (i.e., thermal concentration);
1199		
1200		2) ion exchange;
1201		
1202		3) resin or solid adsorption;
1203		

- 1204 4) reverse osmosis; or  
 1205  
 1206 5) incineration for the recovery of acid  
 1207  
 1208 Note: this does not preclude the use of other physical phase separation or  
 1209 concentration techniques such as decantation, filtration (including ultrafiltration),  
 1210 and centrifugation, when used in conjunction with the above listed recovery  
 1211 technologies.  
 1212  
 1213 RLEAD Thermal recovery of lead in secondary lead smelters.  
 1214  
 1215 RMERC Retorting or roasting in a thermal processing unit capable of volatilizing mercury  
 1216 and subsequently condensing the volatilized mercury for recovery. The retorting  
 1217 or roasting unit (or facility) must be subject to one or more of the following:  
 1218  
 1219 a) A federal national emissions standard for hazardous air pollutants  
 1220 (NESHAP) for mercury (subpart E of 40 CFR 61);  
 1221  
 1222 b) A best available control technology (BACT) or a lowest achievable  
 1223 emission rate (LAER) standard for mercury imposed pursuant to a  
 1224 prevention of significant deterioration (PSD) permit (including 35 Ill.  
 1225 Adm. Code 201 through 203); or  
 1226  
 1227 c) A state permit that establishes emission limitations (within meaning of  
 1228 Section 302 of the Clean Air Act) for mercury, including a permit issued  
 1229 pursuant to 35 Ill. Adm. Code 201. All wastewater and nonwastewater  
 1230 residues derived from this process must then comply with the  
 1231 corresponding treatment standards per waste code with consideration of  
 1232 any applicable subcategories (e.g., high or low mercury subcategories).  
 1233  
 1234 RMETL Recovery of metals or inorganics utilizing one or more of the following direct  
 1235 physical or removal technologies:  
 1236  
 1237 1) ion exchange;  
 1238  
 1239 2) resin or solid (i.e., zeolites) adsorption;  
 1240  
 1241 3) reverse osmosis;  
 1242  
 1243 4) chelation or solvent extraction;  
 1244  
 1245 5) freeze crystallization;  
 1246

- 1247 6) ultrafiltration; or  
 1248  
 1249 7) simple precipitation (i.e., crystallization)  
 1250  
 1251 Note: this does not preclude the use of other physical phase separation or  
 1252 concentration techniques such as decantation, filtration (including ultrafiltration),  
 1253 and centrifugation, when used in conjunction with the above listed recovery  
 1254 technologies.

1255  
 1256 RORGS Recovery of organics utilizing one or more of the following technologies:

- 1257  
 1258 1) Distillation;  
 1259  
 1260 2) thin film evaporation;  
 1261  
 1262 3) steam stripping;  
 1263  
 1264 4) carbon adsorption;  
 1265  
 1266 5) critical fluid extraction;  
 1267  
 1268 6) liquid-liquid extraction;  
 1269  
 1270 7) precipitation or crystallization (including freeze crystallization); or  
 1271  
 1272 8) chemical phase separation techniques (i.e., addition of acids, bases,  
 1273 demulsifiers, or similar chemicals).

1274  
 1275 Note: This does not preclude the use of other physical phase separation  
 1276 techniques such as decantation, filtration (including ultrafiltration), and  
 1277 centrifugation, when used in conjunction with the above listed recovery  
 1278 technologies.

1279  
 1280 RTHRM Thermal recovery of metals or inorganics from nonwastewaters in units defined as  
 1281 cement kilns, blast furnaces, smelting, melting and refining furnaces, combustion  
 1282 devices used to recover sulfur values from spent sulfuric acid and "other devices"  
 1283 determined by the Agency pursuant to 35 Ill. Adm. Code 720.110, the definition  
 1284 of "industrial furnace."

1285  
 1286 RZINC Resmelting in high temperature metal recovery units for the purpose of recovery  
 1287 of zinc.  
 1288

1289	STABL	Stabilization with the following reagents (or waste reagents) or combinations of
1290		reagents:
1291		
1292		1) Portland cement; or
1293		
1294		2) lime or pozzolans (e.g., fly ash and cement kiln dust) – this does not
1295		preclude the addition of reagents (e.g., iron salts, silicates, and clays)
1296		designed to enhance the set or cure time or compressive strength, or to
1297		overall reduce the leachability of the metal or inorganic.
1298		
1299	SSTRP	Steam stripping of organics from liquid wastes utilizing direct application of
1300		steam to the wastes operated such that liquid and vapor flow rates, as well as
1301		temperature and pressure ranges, have been optimized, monitored, and
1302		maintained. These operating parameters are dependent upon the design
1303		parameters of the unit, such as, the number of separation stages and the internal
1304		column design. Thus resulting in a condensed extract high in organics that must
1305		undergo either incineration, reuse as a fuel, or other recovery or reuse and an
1306		extracted wastewater that must undergo further treatment as specified in the
1307		standard.
1308		
1309	WETOX	Wet air oxidation performed in units operated such that a surrogate compound or
1310		indicator parameter has been substantially reduced in concentration in the
1311		residuals (e.g., total organic carbon (TOC) can often be used as an indicator
1312		parameter for the oxidation of many organic constituents that cannot be directly
1313		analyzed in wastewater residues).
1314		
1315	WTRRX	Controlled reaction with water for highly reactive inorganic or organic chemicals
1316		with precautionary controls for protection of workers from potential violent
1317		reactions as well as precautionary controls for potential emissions of toxic or
1318		ignitable levels of gases released during the reaction.
1319		
1320	Note 1:	When a combination of these technologies (i.e., a treatment train) is specified as a
1321		single treatment standard, the order of application is specified in Table T to this
1322		Part by indicating the five letter technology code that must be applied first, then
1323		the designation "fb." (an abbreviation for "followed by"), then the five letter
1324		technology code for the technology that must be applied next, and so on.
1325		
1326	Note 2:	When more than one technology (or treatment train) are specified as alternative
1327		treatment standards, the five letter technology codes (or the treatment trains) are
1328		separated by a semicolon (;) with the last technology preceded by the word "OR."
1329		This indicates that any one of these BDAT technologies or treatment trains can be
1330		used for compliance with the standard.
1331		

1332  
1333  
1334  
1335

BOARD NOTE: Derived from Table IH in 40 CFR 268.42 (2015)~~(2007)~~.

(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

1336 **Section 728.TABLE T Treatment Standards for Hazardous Wastes**

1337

1338 Note: The treatment standards that heretofore appeared in tables in Sections 728.141, 728.142,  
1339 and 728.143 have been consolidated into this table.

1340

1341 Waste Code

1342

1343 Waste Description and Treatment or Regulatory Subcategory<sup>1</sup>

1344

Regulated Hazardous Constituent		Wastewaters	Nonwastewaters
		Concentration <sup>3</sup> in	Concentration <sup>5</sup> in
Common Name	CAS <sup>2</sup> Number	mg/l; or	mg/kg unless noted
		Technology Code <sup>4</sup>	as "mg/l TCLP";
			or Technology
			Code <sup>4</sup>

1345

1346 D001<sup>9</sup>

1347

1348 Ignitable Characteristic Wastes, except for the 35 Ill. Adm. Code 721.121(a)(1) High TOC

1349 Subcategory.

1350

NA	NA	DEACT and meet	DEACT and meet
		Section 728.148	Section 728.148
		standards <sup>8</sup> ; or	standards <sup>8</sup> ; or
		RORGS; or	RORGS; or
		CMBST	CMBST

1351

1352 D001<sup>9</sup>

1353

1354 High TOC Ignitable Characteristic Liquids Subcategory based on 35 Ill. Adm. Code

1355 721.121(a)(1) – Greater than or equal to 10 percent total organic carbon.

1356

1357 (Note: This subcategory consists of nonwastewaters only.)

1358

NA	NA	NA	RORGS; CMBST;
			or POLYM

1359

1360 D002<sup>9</sup>

1361

1362 Corrosive Characteristic Wastes.

1363

	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1364				
1365	D002, D004, D005, D006, D007, D008, D009, D010, D011			
1366				
1367	Radioactive high level wastes generated during the reprocessing of fuel rods.			
1368				
1369	(Note: This subcategory consists of nonwastewaters only.)			
1370				
	Corrosivity (pH)	NA	NA	HLVIT
	Arsenic	7440-38-2	NA	HLVIT
	Barium	7440-39-3	NA	HLVIT
	Cadmium	7440-43-9	NA	HLVIT
	Chromium (Total)	7440-47-3	NA	HLVIT
	Lead	7439-92-1	NA	HLVIT
	Mercury	7439-97-6	NA	HLVIT
	Selenium	7782-49-2	NA	HLVIT
	Silver	7440-22-4	NA	HLVIT
1371				
1372	D003 <sup>9</sup>			
1373				
1374	Reactive Sulfides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).			
1375				
	NA	NA	DEACT	DEACT
1376				
1377	D003 <sup>9</sup>			
1378				
1379	Explosive subcategory based on 35 Ill. Adm. Code 721.123(a)(6), (a)(7), and (a)(8).			
1380				
	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1381				
1382	D003 <sup>9</sup>			
1383				
1384	Unexploded ordnance and other explosive devices that have been the subject of an emergency			
1385	response.			
1386				
	NA	NA	DEACT	DEACT
1387				
1388	D003 <sup>9</sup>			
1389				

1390	Other Reactives Subcategory based on 35 Ill. Adm. Code 721.123(a)(1).			
1391	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1392	D003 <sup>9</sup>			
1393	D003 <sup>9</sup>			
1394	D003 <sup>9</sup>			
1395	Water Reactive Subcategory based on 35 Ill. Adm. Code 721.123(a)(2), (a)(3), and (a)(4).			
1396	(Note: This subcategory consists of nonwastewaters only.)			
1397	(Note: This subcategory consists of nonwastewaters only.)			
1398	NA	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>
1399	D003 <sup>9</sup>			
1400	D003 <sup>9</sup>			
1401	D003 <sup>9</sup>			
1402	Reactive Cyanides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).			
1403	Reactive Cyanides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).			
	Cyanides (Total) <sup>7</sup>	57-12-5	—	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
1404	D004 <sup>9</sup>			
1405	D004 <sup>9</sup>			
1406	D004 <sup>9</sup>			
1407	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on			
1408	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1409	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1410	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1411	Arsenic	7440-38-2	1.4 and meet Section 728.148 standards <sup>8</sup>	5.0 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1412	D005 <sup>9</sup>			
1413	D005 <sup>9</sup>			
1414	D005 <sup>9</sup>			
1415	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for barium based on			
1416	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1417	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1418	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1419	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			

	Barium	7440-39-3	1.2 and meet Section 728.148 standards <sup>8</sup>	21 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
1420				
1421	D006 <sup>9</sup>			
1422				
1423	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based			
1424	on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1425	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1426	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1427				
	Cadmium	7440-43-9	0.69 and meet Section 728.148 standards <sup>8</sup>	0.11 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
1428				
1429	D006 <sup>9</sup>			
1430				
1431	Cadmium-Containing Batteries Subcategory.			
1432				
1433	(Note: This subcategory consists of nonwastewaters only.)			
1434				
	Cadmium	7440-43-9	NA	RTHRM
1435				
1436	D006 <sup>9</sup>			
1437				
1438	Radioactively contaminated cadmium-containing batteries.			
1439				
1440	(Note: This subcategory consists of nonwastewaters only.)			
1441				
	Cadmium	7440-43-9	NA	Macroencapsulation in accordance with Section 728.145
1442				
1443	D007 <sup>9</sup>			
1444				
1445	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for chromium based			
1446	on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1447	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1448	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1449				
	Chromium (Total)	7440-47-3	2.77 and meet Section 728.148 standards <sup>8</sup>	0.60 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>

1450				
1451	D008 <sup>9</sup>			
1452				
1453	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on			
1454	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1455	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1456	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1457				
	Lead	7439-92-1	0.69 and meet Section 728.148 standards <sup>8</sup>	0.75 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1458				
1459	D008 <sup>9</sup>			
1460				
1461	Lead Acid Batteries Subcategory			
1462				
1463	(Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous			
1464	wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of			
1465	this Part or exempted under other regulations (see 35 Ill. Adm. Code 726.180). This subcategory			
1466	consists of nonwastewaters only.)			
1467				
	Lead	7439-92-1	NA	RLEAD
1468				
1469	D008 <sup>9</sup>			
1470				
1471	Radioactive Lead Solids Subcategory			
1472				
1473	(Note: These lead solids include, but are not limited to, all forms of lead shielding and other			
1474	elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide			
1475	sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional			
1476	pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and			
1477	stabilized as ash. This subcategory consists of nonwastewaters only.)			
1478				
	Lead	7439-92-1	NA	MACRO
1479				
1480	D009 <sup>9</sup>			
1481				
1482	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1483	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1484	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1485	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain			
1486	greater than or equal to 260 mg/kg total mercury that also contain organics and are not			
1487	incinerator residues. (High Mercury-Organic Subcategory)			

1488	Mercury	7439-97-6	NA	IMERC; or RMERC
1489				
1490	D009 <sup>9</sup>			
1491				
1492	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1493	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1494	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1495	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain			
1496	greater than or equal to 260 mg/kg total mercury that are inorganic, including incinerator			
1497	residues and residues from RMERC. (High Mercury-Inorganic Subcategory)			
1498				
	Mercury	7439-97-6	NA	RMERC
1499				
1500	D009 <sup>9</sup>			
1501				
1502	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1503	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1504	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1505	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less			
1506	than 260 mg/kg total mercury. (Low Mercury Subcategory)			
1507				
	Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
1508				
1509	D009 <sup>9</sup>			
1510				
1511	All other nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for			
1512	mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test			
1513	Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1514	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less			
1515	than 260 mg/kg total mercury and that are not residues from RMERC. (Low Mercury			
1516	Subcategory)			
1517				
	Mercury	7439-97-6	NA	0.025 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
1518				
1519	D009 <sup>9</sup>			
1520				
1521	All D009 wastewaters.			

1522	Mercury	7439-97-6	0.15 and meet Section 728.148 standards <sup>8</sup>	NA
1523	D009 <sup>9</sup>			
1524				
1525				
1526	Elemental mercury contaminated with radioactive materials.			
1527	(Note: This subcategory consists of nonwastewaters only.)			
1528				
1529	Mercury	7439-97-6	NA	AMLGM
1530	D009 <sup>9</sup>			
1531				
1532				
1533	Hydraulic oil contaminated with Mercury Radioactive Materials Subcategory.			
1534	(Note: This subcategory consists of nonwastewaters only.)			
1535				
1536	Mercury	7439-97-6	NA	IMERC
1537	D009 <sup>9</sup>			
1538				
1539				
1540	Radioactively contaminated mercury-containing batteries.			
1541	(Note: This subcategory consists of nonwastewaters only.)			
1542				
1543	Mercury	7439-97-6	NA	Macroencapsulation in accordance with Section 728.145
1544	D010 <sup>9</sup>			
1545				
1546				
1547	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for selenium based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1548				
1549				
1550				
1551	Selenium	7782-49-2	0.82 and meet Section 728.148 standards <sup>8</sup>	5.7 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
1552	D011 <sup>9</sup>			
1553				

1554				
1555	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for silver based on			
1556	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1557	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1558	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1559	Silver	7440-22-4	0.43	0.14 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1560				
1561	D011 <sup>9</sup>			
1562				
1563	Radioactively contaminated silver-containing batteries.			
1564				
1565	(Note: This subcategory consists of nonwastewaters only.)			
1566	Silver	7440-22-4	NA	Macroencapsulation in accordance with Section 728.145
1567				
1568	D012 <sup>9</sup>			
1569				
1570	Wastes that are TC for endrin based on Method 1311 (Toxicity Characteristic Leaching			
1571	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1572	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1573	720.111(a).			
1574	Endrin	72-20-8	BIODG; or CMBST	0.13 and meet Section 728.148 standards <sup>8</sup>
	Endrin aldehyde	7421-93-4	BIODG; or CMBST	0.13 and meet Section 728.148 standards <sup>8</sup>
1575				
1576	D013 <sup>9</sup>			
1577				
1578	Wastes that are TC for lindane based on Method 1311 (Toxicity Characteristic Leaching			
1579	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1580	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1581	720.111(a).			
1582				

$\alpha$ -BHC	319-84-6	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>
$\beta$ -BHC	319-85-7	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>
$\delta$ -BHC	319-86-8	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>
$\gamma$ -BHC (Lindane)	58-89-9	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>

1583  
1584  
1585  
1586  
1587  
1588  
1589  
1590

D014<sup>9</sup>

Wastes that are TC for methoxychlor based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Methoxychlor	72-43-5	WETOX or CMBST	0.18 and meet Section 728.148 standards <sup>8</sup>
--------------	---------	-------------------	--

1591  
1592  
1593  
1594  
1595  
1596  
1597  
1598

D015<sup>9</sup>

Wastes that are TC for toxaphene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Toxaphene	8001-35-2	BIODG or CMBST	2.6 and meet Section 728.148 standards <sup>8</sup>
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1599  
1600  
1601  
1602  
1603  
1604  
1605  
1606

D016<sup>9</sup>

Wastes that are TC for 2,4-D (2,4-dichlorophenoxyacetic acid) based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

	2,4-D (2,4-dichlorophenoxyacetic acid)	94-75-7	CHOXD; BIODG; or CMBST	10 and meet Section 728.148 standards <sup>8</sup>
1607				
1608	D017 <sup>9</sup>			
1609				
1610	Wastes that are TC for 2,4,5-TP (Silvex) based on Method 1311 (Toxicity Characteristic			
1611	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1612	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1613	Adm. Code 720.111(a).			
1614				
	2,4,5-TP (Silvex)	93-72-1	CHOXD or CMBST	7.9 and meet Section 728.148 standards <sup>8</sup>
1615				
1616	D018 <sup>9</sup>			
1617				
1618	Wastes that are TC for benzene based on Method 1311 (Toxicity Characteristic Leaching			
1619	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1620	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1621	720.111(a).			
1622				
	Benzene	71-43-2	0.14 and meet Section 728.148 standards <sup>8</sup>	10 and meet Section 728.148 standards <sup>8</sup>
1623				
1624	D019 <sup>9</sup>			
1625				
1626	Wastes that are TC for carbon tetrachloride based on Method 1311 (Toxicity Characteristic			
1627	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1628	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1629	Adm. Code 720.111(a).			
1630				
	Carbon tetrachloride	56-23-5	0.057 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1631				
1632	D020 <sup>9</sup>			
1633				
1634	Wastes that are TC for chlordane based on Method 1311 (Toxicity Characteristic Leaching			
1635	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1636	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1637	720.111(a).			

1638	Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033 and meet Section 728.148 standards <sup>8</sup>	0.26 and meet Section 728.148 standards <sup>8</sup>
1639	D021 <sup>9</sup>			
1640				
1641				
1642	Wastes that are TC for chlorobenzene based on Method 1311 (Toxicity Characteristic Leaching			
1643	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1644	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1645	720.111(a).			
1646	Chlorobenzene	108-90-7	0.057 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1647	D022 <sup>9</sup>			
1648				
1649				
1650	Wastes that are TC for chloroform based on Method 1311 (Toxicity Characteristic Leaching			
1651	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1652	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1653	720.111(a).			
1654	Chloroform	67-66-3	0.046 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1655	D023 <sup>9</sup>			
1656				
1657				
1658	Wastes that are TC for o-cresol based on Method 1311 (Toxicity Characteristic Leaching			
1659	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1660	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1661	720.111(a).			
1662	o-Cresol	95-48-7	0.11 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
1663	D024 <sup>9</sup>			
1664				
1665				
1666	Wastes that are TC for m-cresol based on Method 1311 (Toxicity Characteristic Leaching			
1667	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			

1668 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1669 720.111(a).

1670  
 m-Cresol 108-39-4 0.77 and meet 5.6 and meet  
 (difficult to distinguish from p- Section 728.148 Section 728.148  
 cresol) standards<sup>8</sup> standards<sup>8</sup>

1671  
 1672 D025<sup>9</sup>

1673  
 1674 Wastes that are TC for p-cresol based on Method 1311 (Toxicity Characteristic Leaching  
 1675 Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 1676 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1677 720.111(a).

1678  
 p-Cresol 106-44-5 0.77 and meet 5.6 and meet  
 (difficult to distinguish from m- Section 728.148 Section 728.148  
 cresol) standards<sup>8</sup> standards<sup>8</sup>

1679  
 1680 D026<sup>9</sup>

1681  
 1682 Wastes that are TC for cresols (total) based on Method 1311 (Toxicity Characteristic Leaching  
 1683 Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 1684 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1685 720.111(a).

1686  
 Cresol-mixed isomers (Cresylic 1319-77-3 0.88 and meet 11.2 and meet  
 acid) Section 728.148 Section 728.148  
 (sum of o-, m-, and p-cresol standards<sup>8</sup> standards<sup>8</sup>  
 concentrations)

1687  
 1688 D027<sup>9</sup>

1689  
 1690 Wastes that are TC for p-dichlorobenzene based on Method 1311 (Toxicity Characteristic  
 1691 Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical  
 1692 Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.  
 1693 Adm. Code 720.111(a).

1694  
 p-Dichlorobenzene (1,4- 106-46-7 0.090 and meet 6.0 and meet  
 Dichlorobenzene) Section 728.148 Section 728.148  
 standards<sup>8</sup> standards<sup>8</sup>

1695  
 1696 D028<sup>9</sup>

1697

1698	Wastes that are TC for 1,2-dichloroethane based on Method 1311 (Toxicity Characteristic			
1699	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1700	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1701	Adm. Code 720.111(a).			
1702	1,2-Dichloroethane	107-06-2	0.21 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1703	D029 <sup>9</sup>			
1704	D029 <sup>9</sup>			
1705	D029 <sup>9</sup>			
1706	Wastes that are TC for 1,1-dichloroethylene based on Method 1311 (Toxicity Characteristic			
1707	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1708	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1709	Adm. Code 720.111(a).			
1710	1,1-Dichloroethylene	75-35-4	0.025 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1711	D030 <sup>9</sup>			
1712	D030 <sup>9</sup>			
1713	D030 <sup>9</sup>			
1714	Wastes that are TC for 2,4-dinitrotoluene based on Method 1311 (Toxicity Characteristic			
1715	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1716	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1717	Adm. Code 720.111(a).			
1718	2,4-Dinitrotoluene	121-14-2	0.32 and meet Section 728.148 standards <sup>8</sup>	140 and meet Section 728.148 standards <sup>8</sup>
1719	D031 <sup>9</sup>			
1720	D031 <sup>9</sup>			
1721	D031 <sup>9</sup>			
1722	Wastes that are TC for heptachlor based on Method 1311 (Toxicity Characteristic Leaching			
1723	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1724	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1725	720.111(a).			
1726	Heptachlor	76-44-8	0.0012 and meet Section 728.148 standards <sup>8</sup>	0.066 and meet Section 728.148 standards <sup>8</sup>

	Heptachlor epoxide	1024-57-3	0.016 and meet Section 728.148 standards <sup>8</sup>	0.066 and meet Section 728.148 standards <sup>8</sup>
1727				
1728	D032 <sup>9</sup>			
1729				
1730	Wastes that are TC for hexachlorobenzene based on Method 1311 (Toxicity Characteristic			
1731	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1732	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1733	Adm. Code 720.111(a).			
1734				
	Hexachlorobenzene	118-74-1	0.055 and meet Section 728.148 standards <sup>8</sup>	10 and meet Section 728.148 standards <sup>8</sup>
1735				
1736	D033 <sup>9</sup>			
1737				
1738	Wastes that are TC for hexachlorobutadiene based on Method 1311 (Toxicity Characteristic			
1739	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1740	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1741	Adm. Code 720.111(a).			
1742				
	Hexachlorobutadiene	87-68-3	0.055 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
1743				
1744	D034 <sup>9</sup>			
1745				
1746	Wastes that are TC for hexachloroethane based on Method 1311 (Toxicity Characteristic			
1747	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1748	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1749	Adm. Code 720.111(a).			
1750				
	Hexachloroethane	67-72-1	0.055 and meet Section 728.148 standards <sup>8</sup>	30 and meet Section 728.148 standards <sup>8</sup>
1751				
1752	D035 <sup>9</sup>			
1753				
1754	Wastes that are TC for methyl ethyl ketone based on Method 1311 (Toxicity Characteristic			
1755	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1756	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1757	Adm. Code 720.111(a).			

1758	Methyl ethyl ketone	78-93-3	0.28 and meet Section 728.148 standards <sup>8</sup>	36 and meet Section 728.148 standards <sup>8</sup>
1759				
1760	D036 <sup>9</sup>			
1761				
1762	Wastes that are TC for nitrobenzene based on Method 1311 (Toxicity Characteristic Leaching			
1763	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1764	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1765	720.111(a).			
1766	Nitrobenzene	98-95-3	0.068 and meet Section 728.148 standards <sup>8</sup>	14 and meet Section 728.148 standards <sup>8</sup>
1767				
1768	D037 <sup>9</sup>			
1769				
1770	Wastes that are TC for pentachlorophenol based on Method 1311 (Toxicity Characteristic			
1771	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1772	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1773	Adm. Code 720.111(a).			
1774	Pentachlorophenol	87-86-5	0.089 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
1775				
1776	D038 <sup>9</sup>			
1777				
1778	Wastes that are TC for pyridine based on Method 1311 (Toxicity Characteristic Leaching			
1779	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1780	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1781	720.111(a).			
1782	Pyridine	110-86-1	0.014 and meet Section 728.148 standards <sup>8</sup>	16 and meet Section 728.148 standards <sup>8</sup>
1783				
1784	D039 <sup>9</sup>			
1785				
1786	Wastes that are TC for tetrachloroethylene based on Method 1311 (Toxicity Characteristic			
1787	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			

1788	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1789	Adm. Code 720.111(a).			
1790				
	Tetrachloroethylene	127-18-4	0.056 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1791				
1792	D040 <sup>9</sup>			
1793				
1794	Wastes that are TC for trichloroethylene based on Method 1311 (Toxicity Characteristic			
1795	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1796	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1797	Adm. Code 720.111(a).			
1798				
	Trichloroethylene	79-01-6	0.054 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
1799				
1800	D041 <sup>9</sup>			
1801				
1802	Wastes that are TC for 2,4,5-trichlorophenol based on Method 1311 (Toxicity Characteristic			
1803	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1804	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1805	Adm. Code 720.111(a).			
1806				
	2,4,5-Trichlorophenol	95-95-4	0.18 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
1807				
1808	D042 <sup>9</sup>			
1809				
1810	Wastes that are TC for 2,4,6-trichlorophenol based on Method 1311 (Toxicity Characteristic			
1811	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1812	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1813	Adm. Code 720.111(a).			
1814				
	2,4,6-Trichlorophenol	88-06-2	0.035 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
1815				
1816	D043 <sup>9</sup>			
1817				

1818 Wastes that are TC for vinyl chloride based on Method 1311 (Toxicity Characteristic Leaching  
 1819 Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 1820 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1821 720.111(a).  
 1822

Vinyl chloride	75-01-4	0.27 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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1823  
 1824 F001, F002, F003, F004 & F005  
 1825

1826 F001, F002, F003, F004, or F005 solvent wastes that contain any combination of one or more of  
 1827 the following spent solvents: acetone, benzene, n-butyl alcohol, carbon disulfide, carbon  
 1828 tetrachloride, chlorinated fluorocarbons, chlorobenzene, o-cresol, m-cresol, p-cresol,  
 1829 cyclohexanone, o-dichlorobenzene, 2-ethoxyethanol, ethyl acetate, ethyl benzene, ethyl ether,  
 1830 isobutyl alcohol, methanol, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone,  
 1831 nitrobenzene, 2-nitropropane, pyridine, tetrachloroethylene, toluene, 1,1,1-trichloroethane, 1,1,2-  
 1832 trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethylene,  
 1833 trichloromonofluoromethane, or xylenes (except as specifically noted in other subcategories).  
 1834 See further details of these listings in 35 Ill. Adm. Code 721.131.  
 1835

Acetone	67-64-1	0.28	160
Benzene	71-43-2	0.14	10
n-Butyl alcohol	71-36-3	5.6	2.6
Carbon disulfide	75-15-0	3.8	NA
Carbon tetrachloride	56-23-5	0.057	6.0
Chlorobenzene	108-90-7	0.057	6.0
o-Cresol	95-48-7	0.11	5.6
m-Cresol	108-39-4	0.77	5.6
(difficult to distinguish from p-cresol)			
p-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
Cresol-mixed isomers (Cresylic acid)	1319-77-3	0.88	11.2
(sum of o-, m-, and p-cresol concentrations)			
Cyclohexanone	108-94-1	0.36	NA
o-Dichlorobenzene	95-50-1	0.088	6.0
Ethyl acetate	141-78-6	0.34	33
Ethyl benzene	100-41-4	0.057	10
Ethyl ether	60-29-7	0.12	160

Isobutyl alcohol	78-83-1	5.6	170
Methanol	67-56-1	5.6	NA
Methylene chloride	75-9-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33
Nitrobenzene	98-95-3	0.068	14
Pyridine	110-86-1	0.014	16
Tetrachloroethylene	127-18-4	0.056	6.0
Toluene	108-88-3	0.080	10
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
Trichloroethylene	79-01-6	0.054	6.0
Trichloromonofluoromethane	75-69-4	0.020	30
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30

1836

1837 F001, F002, F003, F004 & F005

1838

1839 F003 and F005 solvent wastes that contain any combination of one or more of the following  
 1840 three solvents as the only listed F001 through F005 solvents: carbon disulfide, cyclohexanone,  
 1841 or methanol. (Formerly Section 728.141(c)).

1842

Carbon disulfide	75-15-0	3.8	4.8 mg/ℓ TCLP
Cyclohexanone	108-94-1	0.36	0.75 mg/ℓ TCLP
Methanol	67-56-1	5.6	0.75 mg/ℓ TCLP

1843

1844 F001, F002, F003, F004 & F005

1845

1846 F005 solvent waste containing 2-Nitropropane as the only listed F001 through F005 solvent.

1847

2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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1848

1849 F001, F002, F003, F004 & F005

1850

1851 F005 solvent waste containing 2-Ethoxyethanol as the only listed F001 through F005 solvent.

1852



1873  
 1874 F009  
 1875  
 1876 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are  
 1877 used in the process.  
 1878

Cadmium	7440-43-9	NA	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

1879  
 1880 F010  
 1881  
 1882 Quenching bath residues from oil baths from metal heat-treating operations where cyanides are  
 1883 used in the process.  
 1884

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA

1885  
 1886 F011  
 1887  
 1888 Spent cyanide solutions from salt bath pot cleaning from metal heat-treating operations.  
 1889

Cadmium	7440-43-9	NA	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

1890  
 1891 F012  
 1892  
 1893 Quenching wastewater treatment sludges from metal heat-treating operations where cyanides are  
 1894 used in the process.  
 1895

Cadmium	7440-43-9	NA	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

1896	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
1897	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
1898	Silver	7440-22-4	NA	0.14 mg/ℓ TCLP
1899	F019			
1900	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.			
1901	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
1902	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
1903	F020, F021, F022, F023, F026			
1904	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: (1) tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives, excluding wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol (i.e., F020); (2) pentachlorophenol, or of intermediates used to produce its derivatives (i.e., F021); (3) tetra-, penta-, or hexachlorobenzenes under alkaline conditions (i.e., F022) and 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: (1) tri- or tetrachlorophenols, excluding wastes from equipment used only for the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol (F023) or (2) tetra-, penta-, or hexachlorobenzenes under alkaline conditions (i.e., F026).			
1905	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
1906	HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
1907	PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
1908	PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
1909	Pentachlorophenol	87-86-5	0.089	7.4
1910	TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
1911	TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
1912	2,4,5-Trichlorophenol	95-95-4	0.18	7.4

2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

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F024

Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out 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 35 Ill. Adm. Code 721.131 or 721.132.)

All F024 wastes	NA	CMBST <sup>11</sup>	CMBST <sup>11</sup>
2-Chloro-1,3-butadiene	126-99-8	0.057	0.28
3-Chloropropylene	107-05-1	0.036	30
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,2-Dichloropropane	78-87-5	0.85	18
cis-1,3-Dichloropropylene	10061-01-5	0.036	18
trans-1,3-Dichloropropylene	10061-02-6	0.036	18
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Hexachloroethane	67-72-1	0.055	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP

1929  
1930  
1931  
1932  
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1935  
1936

F025

Condensed light ends 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 up to and including five, with varying amounts and positions of chlorine substitution. F025 – Light Ends Subcategory.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
Methylene chloride	75-9-2	0.089	30
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Vinyl chloride	75-01-4	0.27	6.0

1937  
1938  
1939

F025

1940 Spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated  
 1941 aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic  
 1942 hydrocarbons are those having carbon chain lengths ranging from one to and including five, with  
 1943 varying amounts and positions of chlorine substitution. F025 – Spent Filters/Aids and Desiccants  
 1944 Subcategory.

1945	Carbon tetrachloride	56-23-5	0.057	6.0
	Chloroform	67-66-3	0.046	6.0
	Hexachlorobenzene	118-74-1	0.055	10
	Hexachlorobutadiene	87-68-3	0.055	5.6
	Hexachloroethane	67-72-1	0.055	30
	Methylene chloride	75-9-2	0.089	30
	1,1,2-Trichloroethane	79-00-5	0.054	6.0
	Trichloroethylene	79-01-6	0.054	6.0
	Vinyl chloride	75-01-4	0.27	6.0

1946  
 1947 F027

1948  
 1949 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused  
 1950 formulations containing compounds derived from these chlorophenols. (This listing does not  
 1951 include formulations containing hexachlorophene synthesized from prepurified 2,4,5-  
 1952 trichlorophenol as the sole component.)

1953	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
	HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
	PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
	PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
	Pentachlorophenol	87-86-5	0.089	7.4
	TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
	TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
	2,4,5-Trichlorophenol	95-95-4	0.18	7.4
	2,4,6-Trichlorophenol	88-06-2	0.035	7.4
	2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

1954  
 1955 F028  
 1956

1957 Residues resulting from the incineration or thermal treatment of soil contaminated with USEPA  
 1958 hazardous waste numbers F020, F021, F023, F026, and F027.  
 1959

HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
Pentachlorophenol	87-86-5	0.089	7.4
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

1960  
 1961 F032  
 1962  
 1963 Wastewaters (except those that have not come into contact with process contaminants), process  
 1964 residuals, preservative drippage, and spent formulations from wood preserving processes  
 1965 generated at plants that currently use or have previously used chlorophenolic formulations  
 1966 (except potentially cross-contaminated wastes that have had the F032 waste code deleted in  
 1967 accordance with 35 Ill. Adm. Code 721.135 or potentially cross-contaminated wastes that are  
 1968 otherwise currently regulated as hazardous wastes (i.e., F034 or F035), where the generator does  
 1969 not resume or initiate use of chlorophenolic formulations). This listing does not include K001  
 1970 bottom sediment sludge from the treatment of wastewater from wood preserving processes that  
 1971 use creosote or penta-chlorophenol.  
 1972

Acenaphthene	83-32-9	0.059	3.4
Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k) fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b) fluoranthene)	207-08-9	0.11	6.8
Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4

Dibenz(a,h)anthracene	53-70-3	0.055	8.2
2-4-Dimethyl phenol	105-67-9	0.036	14
Fluorene	86-73-7	0.059	3.4
Hexachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Hexachlorodibenzofurans	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Pentachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Pentachlorodibenzofurans	NA	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Pentachlorophenol	87-86-5	0.089	7.4
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Tetrachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Tetrachlorodibenzofurans	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP

1973  
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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 or pentachlorophenol.

Acenaphthene	83-32-9	0.059	3.4
Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8

Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Fluorene	86-73-7	0.059	3.4
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

1982

1983 F035

1984

1985 Wastewaters (except those that have not come into contact with process contaminants), process  
 1986 residuals, preservative drippage, and spent formulations from wood preserving processes that are  
 1987 generated at plants that use inorganic preservatives containing arsenic or chromium. This listing  
 1988 does not include K001 bottom sediment sludge from the treatment of wastewater from wood  
 1989 preserving processes that use creosote or pentachlorophenol.

1990

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

1991

1992 F037

1993

1994 Petroleum refinery primary oil/water/solids separation sludge – any sludge generated from the  
 1995 gravitational separation of oil/water/solids during the storage or treatment of process wastewaters  
 1996 and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited  
 1997 to, those generated in: oil/water/solids separators; tanks, and impoundments; ditches, and other  
 1998 conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in  
 1999 stormwater units that do not receive dry weather flow, sludges generated from non-contact once-  
 2000 through cooling waters segregated for treatment from other process or oily cooling waters,  
 2001 sludges generated in aggressive biological treatment units as defined in 35 Ill. Adm. Code  
 2002 721.131(b)(2) (including sludges generated in one or more additional units after wastewaters  
 2003 have been treated in aggressive biological treatment units) and K051 wastes are not included in  
 2004 this listing.

2005

Acenaphthene	83-32-9	0.059	NA
Anthracene	120-12-7	0.059	3.4
Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	218-01-9	0.059	3.4

Di-n-butyl phthalate	84-74-2	0.057	28
Ethylbenzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/l TCLP

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F038

Petroleum refinery secondary (emulsified) oil/water/solids separation sludge or float generated from the physical 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 floatation (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 35 Ill. Adm. Code 721.131(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological units) and F037, K048, and K051 are not included in this listing.

Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	218-01-9	0.059	3.4
Di-n-butyl phthalate	84-74-2	0.057	28
Ethylbenzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10

Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/ℓ TCLP

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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 USEPA hazardous wastes and no other hazardous wastes retains its USEPA hazardous waste numbers: F020, F021, F022, F026, F027, or F028.).

Acenaphthylene	208-96-8	0.059	3.4
Acenaphthene	83-32-9	0.059	3.4
Acetone	67-64-1	0.28	160
Acetonitrile	75-05-8	5.6	NA
Acetophenone	96-86-2	0.010	9.7
2-Acetylaminofluorene	53-96-3	0.059	140
Acrolein	107-02-8	0.29	NA
Acrylonitrile	107-13-1	0.24	84
Aldrin	309-00-2	0.021	0.066
4-Aminobiphenyl	92-67-1	0.13	NA
Aniline	62-53-3	0.81	14
o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
Anthracene	120-12-7	0.059	3.4
Aramite	140-57-8	0.36	NA
α-BHC	319-84-6	0.00014	0.066
β-BHC	319-85-7	0.00014	0.066
δ-BHC	319-86-8	0.023	0.066
γ-BHC	58-89-9	0.0017	0.066
Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8

Benzo(a)pyrene	50-32-8	0.061	3.4
Bromodichloromethane	75-27-4	0.35	15
Methyl bromide (Bromomethane)	74-83-9	0.11	15
4-Bromophenyl phenyl ether	101-55-3	0.055	15
n-Butyl alcohol	71-36-3	5.6	2.6
Butyl benzyl phthalate	85-68-7	0.017	28
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
Carbon disulfide	75-15-0	3.8	NA
Carbon tetrachloride	56-23-5	0.057	6.0
Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
p-Chloroaniline	106-47-8	0.46	16
Chlorobenzene	108-90-7	0.057	6.0
Chlorobenzilate	510-15-6	0.10	NA
2-Chloro-1,3-butadiene	126-99-8	0.057	NA
Chlorodibromomethane	124-48-1	0.057	15
Chloroethane	75-00-3	0.27	6.0
bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
Chloroform	67-66-3	0.046	6.0
bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
p-Chloro-m-cresol	59-50-7	0.018	14
Chloromethane (Methyl chloride)	74-87-3	0.19	30
2-Chloronaphthalene	91-58-7	0.055	5.6
2-Chlorophenol	95-57-8	0.044	5.7
3-Chloropropylene	107-05-1	0.036	30
Chrysene	218-01-9	0.059	3.4
p-Cresidine	120-71-8	0.010	0.66
o-Cresol	95-48-7	0.11	5.6
m-Cresol (difficult to distinguish from p- cresol)	108-39-4	0.77	5.6
p-Cresol (difficult to distinguish from m- cresol)	106-44-5	0.77	5.6
Cyclohexanone	108-94-1	0.36	NA
1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
Ethylene dibromide (1,2- Dibromoethane)	106-93-4	0.028	15
Dibromomethane	74-95-3	0.11	15

2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
o,p'-DDD	53-19-0	0.023	0.087
p,p'-DDD	72-54-8	0.023	0.087
o,p'-DDE	3424-82-6	0.031	0.087
p,p'-DDE	72-55-9	0.031	0.087
o,p'-DDT	789-02-6	0.0039	0.087
p,p'-DDT	50-29-3	0.0039	0.087
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Dibenz(a,e)pyrene	192-65-4	0.061	NA
m-Dichlorobenzene	541-73-1	0.036	6.0
o-Dichlorobenzene	95-50-1	0.088	6.0
p-Dichlorobenzene	106-46-7	0.090	6.0
Dichlorodifluoromethane	75-71-8	0.23	7.2
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
trans-1,2-Dichloroethylene	156-60-5	0.054	30
2,4-Dichlorophenol	120-83-2	0.044	14
2,6-Dichlorophenol	87-65-0	0.044	14
1,2-Dichloropropane	78-87-5	0.85	18
cis-1,3-Dichloropropylene	10061-01-5	0.036	18
trans-1,3-Dichloropropylene	10061-02-6	0.036	18
Dieldrin	60-57-1	0.017	0.13
2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66
Diethyl phthalate	84-66-2	0.20	28
2-4-Dimethyl phenol	105-67-9	0.036	14
Dimethyl phthalate	131-11-3	0.047	28
Di-n-butyl phthalate	84-74-2	0.057	28
1,4-Dinitrobenzene	100-25-4	0.32	2.3
4,6-Dinitro-o-cresol	534-52-1	0.28	160
2,4-Dinitrophenol	51-28-5	0.12	160
2,4-Dinitrotoluene	121-14-2	0.32	140
2,6-Dinitrotoluene	606-20-2	0.55	28
Di-n-octyl phthalate	117-84-0	0.017	28
Di-n-propylnitrosamine	621-64-7	0.40	14
1,4-Dioxane	123-91-1	12.0	170
Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	NA

Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	NA
1,2-Diphenylhydrazine	122-66-7	0.087	NA
Disulfoton	298-04-4	0.017	6.2
Endosulfan I	939-98-8	0.023	0.066
Endosulfan II	33213-6-5	0.029	0.13
Endosulfan sulfate	1031-07-8	0.029	0.13
Endrin	72-20-8	0.0028	0.13
Endrin aldehyde	7421-93-4	0.025	0.13
Ethyl acetate	141-78-6	0.34	33
Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
Ethyl benzene	100-41-4	0.057	10
Ethyl ether	60-29-7	0.12	160
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Ethyl methacrylate	97-63-2	0.14	160
Ethylene oxide	75-21-8	0.12	NA
Famphur	52-85-7	0.017	15
Fluoranthene	206-44-0	0.068	3.4
Fluorene	86-73-7	0.059	3.4
Heptachlor	76-44-8	0.0012	0.066
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035	0.0025
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035	0.0025
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035	0.0025
Heptachlor epoxide	1024-57-3	0.016	0.066
Hexachlorobenzene	118-74-1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachlorocyclopentadiene	77-47-4	0.057	2.4
HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
Hexachloroethane	67-72-1	0.055	30
Hexachloropropylene	1888-71-7	0.035	30
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Iodomethane	74-88-4	0.19	65
Isobutyl alcohol	78-83-1	5.6	170

Isodrin	465-73-6	0.021	0.066
Isosafrole	120-58-1	0.081	2.6
Kepone	143-50-8	0.0011	0.13
Methacrylonitrile	126-98-7	0.24	84
Methanol	67-56-1	5.6	NA
Methapyrilene	91-80-5	0.081	1.5
Methoxychlor	72-43-5	0.25	0.18
3-Methylcholanthrene	56-49-5	0.0055	15
4,4-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
Methylene chloride	75-09-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33
Methyl methacrylate	80-62-6	0.14	160
Methyl methansulfonate	66-27-3	0.018	NA
Methyl parathion	298-00-0	0.014	4.6
Naphthalene	91-20-3	0.059	5.6
2-Naphthylamine	91-59-8	0.52	NA
p-Nitroaniline	100-01-6	0.028	28
Nitrobenzene	98-95-3	0.068	14
5-Nitro-o-toluidine	99-55-8	0.32	28
p-Nitrophenol	100-02-7	0.12	29
N-Nitrosodiethylamine	55-18-5	0.40	28
N-Nitrosodimethylamine	62-75-9	0.40	NA
N-Nitroso-di-n-butylamine	924-16-3	0.40	17
N-Nitrosomethylethylamine	10595-95-6	0.40	2.3
N-Nitrosomorpholine	59-89-2	0.40	2.3
N-Nitrosopiperidine	100-75-4	0.013	35
N-Nitrosopyrrolidine	930-55-2	0.013	35
1,2,3,4,6,7,8,9-	3268-87-9	0.000063	0.0025
Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)			
<u>1,2,3,4,6,7,8,9-</u>	<u>39001-02-0</u>	<u>0.000063</u>	<u>0.005</u>
<u>Octachlorodibenzofuran (OCDF)</u>			
Parathion	56-38-2	0.014	4.6
Total PCBs (sum of all PCB isomers, or all Aroclors)	1336-36-3	0.10	10
Pentachlorobenzene	608-93-5	0.055	10
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001

PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
Pentachloronitrobenzene	82-68-8	0.055	4.8
Pentachlorophenol	87-86-5	0.089	7.4
Phenacetin	62-44-2	0.081	16
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
1,3-Phenylenediamine	108-45-2	0.010	0.66
Phorate	298-02-2	0.021	4.6
Phthalic anhydride	85-44-9	0.055	NA
Pronamide	23950-58-5	0.093	1.5
Pyrene	129-00-0	0.067	8.2
Pyridine	110-86-1	0.014	16
Safrole	94-59-7	0.081	22
Silvex (2,4,5-TP)	93-72-1	0.72	7.9
2,4,5-T	93-76-5	0.72	7.9
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
Toluene	108-88-3	0.080	10
Toxaphene	8001-35-2	0.0095	2.6
Bromoform (Tribromomethane)	75-25-2	0.63	15
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Trichloromonofluoromethane	75-69-4	0.020	30
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
1,2,3-Trichloropropane	96-18-4	0.85	30
1,1,2-Trichloro-1,2,2- trifluoroethane	76-13-1	0.057	30
tris(2,3-Dibromopropyl) phosphate	126-72-7	0.11	NA
Vinyl chloride	75-01-4	0.27	6.0

	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
	Barium	7440-39-3	1.2	21 mg/ℓ TCLP
	Beryllium	7440-41-7	0.82	NA
	Cadmium	7440-43-9	0.69	0.11 mg/ℓ TCLP
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA
	Fluoride	16964-48-8	35	NA
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
	Mercury	7439-97-6	0.15	0.025 mg/ℓ TCLP
	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
	Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP
	Sulfide	8496-25-8	14	NA
	Thallium	7440-28-0	1.4	NA
	Vanadium	7440-62-2	4.3	NA
2029				
2030	K001			
2031				
2032	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that			
2033	use creosote or pentachlorophenol.			
2034				
	Naphthalene	91-20-3	0.059	5.6
	Pentachlorophenol	87-86-5	0.089	7.4
	Phenanthrene	85-01-8	0.059	5.6
	Pyrene	129-00-0	0.067	8.2
	Toluene	108-88-3	0.080	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2035				
2036	K002			
2037				
2038	Wastewater treatment sludge from the production of chrome yellow and orange pigments.			
2039				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2040				

2041	K003			
2042				
2043	Wastewater treatment sludge from the production of molybdate orange pigments.			
2044				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2045				
2046	K004			
2047				
2048	Wastewater treatment sludge from the production of zinc yellow pigments.			
2049				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2050				
2051	K005			
2052				
2053	Wastewater treatment sludge from the production of chrome green pigments.			
2054				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
2055				
2056	K006			
2057				
2058	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous).			
2059				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2060				
2061	K006			
2062				
2063	Wastewater treatment sludge from the production of chrome oxide green pigments (hydrated).			
2064				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	NA
2065				
2066	K007			
2067				
2068	Wastewater treatment sludge from the production of iron blue pigments.			
2069				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

2070				
2071	K008			
2072				
2073	Oven residue from the production of chrome oxide green pigments.			
2074				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2075				
2076	K009			
2077				
2078	Distillation bottoms from the production of acetaldehyde from ethylene.			
2079				
	Chloroform	67-66-3	0.046	6.0
2080				
2081	K010			
2082				
2083	Distillation side cuts from the production of acetaldehyde from ethylene.			
2084				
	Chloroform	67-66-3	0.046	6.0
2085				
2086	K011			
2087				
2088	Bottom stream from the wastewater stripper in the production of acrylonitrile.			
2089				
	Acetonitrile	75-05-8	5.6	38
	Acrylonitrile	107-13-1	0.24	84
	Acrylamide	79-06-1	19	23
	Benzene	71-43-2	0.14	10
	Cyanide (Total)	57-12-5	1.2	590
2090				
2091	K013			
2092				
2093	Bottom stream from the acetonitrile column in the production of acrylonitrile.			
2094				
	Acetonitrile	75-05-8	5.6	38
	Acrylonitrile	107-13-1	0.24	84
	Acrylamide	79-06-1	19	23
	Benzene	71-43-2	0.14	10
	Cyanide (Total)	57-12-5	1.2	590
2095				
2096	K014			
2097				
2098	Bottoms from the acetonitrile purification column in the production of acrylonitrile.			

2099				
	Acetonitrile	75-05-8	5.6	38
	Acrylonitrile	107-13-1	0.24	84
	Acrylamide	79-06-1	19	23
	Benzene	71-43-2	0.14	10
	Cyanide (Total)	57-12-5	1.2	590
2100				
2101	K015			
2102				
2103	Still bottoms from the distillation of benzyl chloride.			
2104				
	Anthracene	120-12-7	0.059	3.4
	Benzal chloride	98-87-3	0.055	6.0
	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
	Phenanthrene	85-01-8	0.059	5.6
	Toluene	108-88-3	0.080	10
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
2105				
2106	K016			
2107				
2108	Heavy ends or distillation residues from the production of carbon tetrachloride.			
2109				
	Hexachlorobenzene	118-74-1	0.055	10
	Hexachlorobutadiene	87-68-3	0.055	5.6
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
	Hexachloroethane	67-72-1	0.055	30
	Tetrachloroethylene	127-18-4	0.056	6.0
2110				
2111	K017			
2112				
2113	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.			
2114				
	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
	1,2-Dichloropropane	78-87-5	0.85	18
	1,2,3-Trichloropropane	96-18-4	0.85	30
2115				
2116	K018			

2117				
2118	Heavy ends from the fractionation column in ethyl chloride production.			
2119				
	Chloroethane	75-00-3	0.27	6.0
	Chloromethane	74-87-3	0.19	NA
	1,1-Dichloroethane	75-34-3	0.059	6.0
	1,2-Dichloroethane	107-06-2	0.21	6.0
	Hexachlorobenzene	118-74-1	0.055	10
	Hexachlorobutadiene	87-68-3	0.055	5.6
	Hexachloroethane	67-72-1	0.055	30
	Pentachloroethane	76-01-7	NA	6.0
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
2120				
2121	K019			
2122				
2123	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.			
2124				
	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
	Chlorobenzene	108-90-7	0.057	6.0
	Chloroform	67-66-3	0.046	6.0
	p-Dichlorobenzene	106-46-7	0.090	NA
	1,2-Dichloroethane	107-06-2	0.21	6.0
	Fluorene	86-73-7	0.059	NA
	Hexachloroethane	67-72-1	0.055	30
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	NA
	Tetrachloroethylene	127-18-4	0.056	6.0
	1,2,4-Trichlorobenzene	120-82-1	0.055	19
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
2125				
2126	K020			
2127				
2128	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.			
2129				
	1,2-Dichloroethane	107-06-2	0.21	6.0
	1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
	Tetrachloroethylene	127-18-4	0.056	6.0
2130				
2131	K021			
2132				
2133	Aqueous spent antimony catalyst waste from fluoromethanes production.			
2134				

	Carbon tetrachloride	56-23-5	0.057	6.0
	Chloroform	67-66-3	0.046	6.0
	Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
2135				
2136	K022			
2137				
2138	Distillation bottom tars from the production of phenol or acetone from cumene.			
2139				
	Toluene	108-88-3	0.080	10
	Acetophenone	96-86-2	0.010	9.7
	Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
	Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
	Phenol	108-95-2	0.039	6.2
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
2140				
2141	K023			
2142				
2143	Distillation light ends from the production of phthalic anhydride from naphthalene.			
2144				
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
2145				
2146	K024			
2147				
2148	Distillation bottoms from the production of phthalic anhydride from naphthalene.			
2149				
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
2150				
2151	K025			

2152				
2153	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.			
2154	NA	NA	LLEXT fb SSTRP fb CARBN; or CMBST	CMBST
2155				
2156	K026			
2157				
2158	Stripping still tails from the production of methyl ethyl pyridines.			
2159	NA	NA	CMBST	CMBST
2160				
2161	K027			
2162				
2163	Centrifuge and distillation residues from toluene diisocyanate production.			
2164	NA	NA	CARBN; or CMBST	CMBST
2165				
2166	K028			
2167				
2168	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.			
2169	1,1-Dichloroethane	75-34-3	0.059	6.0
	trans-1,2-Dichloroethylene	156-60-5	0.054	30
	Hexachlorobutadiene	87-68-3	0.055	5.6
	Hexachloroethane	67-72-1	0.055	30
	Pentachloroethane	76-01-7	NA	6.0
	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
	1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
	Tetrachloroethylene	127-18-4	0.056	6.0
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
	1,1,2-Trichloroethane	79-00-5	0.054	6.0
	Cadmium	7440-43-9	0.69	NA
	Chromium(Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
2170				
2171	K029			
2172				
2173	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.			
2174				

2175	Chloroform	67-66-3	0.046	6.0
2176	1,2-Dichloroethane	107-06-2	0.21	6.0
2177	1,1-Dichloroethylene	75-35-4	0.025	6.0
2178	1,1,1-Trichloroethane	71-55-6	0.054	6.0
2179	Vinyl chloride	75-01-4	0.27	6.0
2180	K030			
2181	Column bodies or heavy ends from the combined production of trichloroethylene and perchloroethylene.			
2182	o-Dichlorobenzene	95-50-1	0.088	NA
2183	p-Dichlorobenzene	106-46-7	0.090	NA
2184	Hexachlorobutadiene	87-68-3	0.055	5.6
2185	Hexachloroethane	67-72-1	0.055	30
2186	Hexachloropropylene	1888-71-7	NA	30
2187	Pentachlorobenzene	608-93-5	NA	10
2188	Pentachloroethane	76-01-7	NA	6.0
2189	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
2190	Tetrachloroethylene	127-18-4	0.056	6.0
2191	1,2,4-Trichlorobenzene	120-82-1	0.055	19
2192	K031			
2193	By-product salts generated in the production of MSMA and cacodylic acid.			
2194	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
2195	K032			
2196	Wastewater treatment sludge from the production of chlordane.			
2197	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
2198	Chlordane (α and γ isomers)	57-74-9	0.0033	0.26
2199	Heptachlor	76-44-8	0.0012	0.066
2200	Heptachlor epoxide	1024-57-3	0.016	0.066
2201	K033			
2202	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.			
2203	Hexachlorocyclopentadiene	77-47-4	0.057	2.4

2197				
2198	K034			
2199				
2200	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.			
2201	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
2202				
2203	K035			
2204				
2205	Wastewater treatment sludges generated in the production of creosote.			
2206	Acenaphthene	83-32-9	NA	3.4
	Anthracene	120-12-7	NA	3.4
	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Chrysene	218-01-9	0.059	3.4
	o-Cresol	95-48-7	0.11	5.6
	m-Cresol	108-39-4	0.77	5.6
	(difficult to distinguish from p-cresol)			
	p-Cresol	106-44-5	0.77	5.6
	(difficult to distinguish from m-cresol)			
	Dibenz(a,h)anthracene	53-70-3	NA	8.2
	Fluoranthene	206-44-0	0.068	3.4
	Fluorene	86-73-7	NA	3.4
	Indeno(1,2,3-cd)pyrene	193-39-5	NA	3.4
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Pyrene	129-00-0	0.067	8.2
2207				
2208	K036			
2209				
2210	Still bottoms from toluene reclamation distillation in the production of disulfoton.			
2211	Disulfoton	298-04-4	0.017	6.2
2212				
2213	K037			
2214				
2215	Wastewater treatment sludges from the production of disulfoton.			
2216	Disulfoton	298-04-4	0.017	6.2

2217	Toluene	108-88-3	0.080	10
2218	K038			
2219				
2220	Wastewater from the washing and stripping of phorate production.			
2221				
	Phorate	298-02-2	0.021	4.6
2222				
2223	K039			
2224				
2225	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.			
2226				
	NA	NA	CARBN; or CMBST	CMBST
2227				
2228	K040			
2229				
2230	Wastewater treatment sludge from the production of phorate.			
2231				
	Phorate	298-02-2	0.021	4.6
2232				
2233	K041			
2234				
2235	Wastewater treatment sludge from the production of toxaphene.			
2236				
	Toxaphene	8001-35-2	0.0095	2.6
2237				
2238	K042			
2239				
2240	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production			
2241	of 2,4,5-T.			
2242				
	o-Dichlorobenzene	95-50-1	0.088	6.0
	p-Dichlorobenzene	106-46-7	0.090	6.0
	Pentachlorobenzene	608-93-5	0.055	10
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
	1,2,4-Trichlorobenzene	120-82-1	0.055	19
2243				
2244	K043			
2245				
2246	2,6-Dichlorophenol waste from the production of 2,4-D.			
2247				
	2,4-Dichlorophenol	120-83-2	0.044	14

	2,6-Dichlorophenol	187-65-0	0.044	14
	2,4,5-Trichlorophenol	95-95-4	0.18	7.4
	2,4,6-Trichlorophenol	88-06-2	0.035	7.4
	2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
	Pentachlorophenol	87-86-5	0.089	7.4
	Tetrachloroethylene	127-18-4	0.056	6.0
	HxCDDs (All	NA	0.000063	0.001
	Hexachlorodibenzo-p-dioxins)			
	HxCDFs (All	55684-94-1	0.000063	0.001
	Hexachlorodibenzofurans)			
	PeCDDs (All	36088-22-9	0.000063	0.001
	Pentachlorodibenzo-p-dioxins)			
	PeCDFs (All	30402-15-4	0.000035	0.001
	Pentachlorodibenzofurans)			
	TCDDs (All	41903-57-5	0.000063	0.001
	Tetrachlorodibenzo-p-dioxins)			
	TCDFs (All	55722-27-5	0.000063	0.001
	Tetrachlorodibenzofurans)			
2248				
2249	K044			
2250				
2251	Wastewater treatment sludges from the manufacturing and processing of explosives.			
2252	NA	NA	DEACT	DEACT
2253				
2254	K045			
2255				
2256	Spent carbon from the treatment of wastewater containing explosives.			
2257	NA	NA	DEACT	DEACT
2258				
2259	K046			
2260				
2261	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based			
2262	initiating compounds.			
2263	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2264				
2265	K047			
2266				
2267	Pink or red water from TNT operations.			
2268	NA	NA	DEACT	DEACT

2269				
2270	K048			
2271				
2272	Dissolved air flotation (DAF) float from the petroleum refining industry.			
2273				
	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
	Chrysene	<del>218-01-9218-</del> 01-9	0.059	3.4
	Di-n-butyl phthalate	84-74-2	0.057	28
	Ethylbenzene	100-41-4	0.057	10
	Fluorene	86-73-7	0.059	NA
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Pyrene	129-00-0	0.067	8.2
	Toluene	108-88-33	0.080	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Lead	7439-92-1	0.69	NA
	Nickel	7440-02-0	NA	11 mg/l TCLP
2274				
2275	K049			
2276				
2277	Slop oil emulsion solids from the petroleum refining industry.			
2278				
	Anthracene	120-12-7	0.059	3.4
	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
	Carbon disulfide	75-15-0	3.8	NA
	Chrysene	218-01-9	0.059	3.4
	2,4-Dimethylphenol	105-67-9	0.036	NA
	Ethylbenzene	100-41-4	0.057	10
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Pyrene	129-00-0	0.067	8.2
	Toluene	108-88-3	0.080	10

2279	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
2280	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
2281	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
2282	Lead	7439-92-1	0.69	NA
2283	Nickel	7440-02-0	NA	11 mg/ℓ TCLP
2284	K050			
2285	Heat exchanger bundle cleaning sludge from the petroleum refining industry.			
2286	Benzo(a)pyrene	50-32-8	0.061	3.4
2287	Phenol	108-95-2	0.039	6.2
2288	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	NA
	Nickel	7440-02-0	NA	11 mg/ℓ TCLP
2284	K051			
2285	API separator sludge from the petroleum refining industry.			
2286	Acenaphthene	83-32-9	0.059	NA
2287	Anthracene	120-12-7	0.059	3.4
2288	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
	Chrysene	<del>218-01-92218-</del> 01-9	0.059	3.4
	Di-n-butyl phthalate	105-67-9	0.057	28
	Ethylbenzene	100-41-4	0.057	10
	Fluorene	86-73-7	0.059	NA
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Pyrene	129-00-0	0.067	8.2
	Toluene	108-88-3	0.08	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Lead	7439-92-1	0.69	NA
	Nickel	7440-02-0	NA	11 mg/ℓ TCLP
2289				
2290	K052			
2291				
2292	Tank bottoms (leaded) from the petroleum refining industry.			
2293				
	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4
	o-Cresol	95-48-7	0.11	5.6
	m-Cresol	108-39-4	0.77	5.6
	(difficult to distinguish from p-cresol)			
	p-Cresol	106-44-5	0.77	5.6
	(difficult to distinguish from m-cresol)			
	2,4-Dimethylphenol	105-67-9	0.036	NA
	Ethylbenzene	100-41-4	0.057	10
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Toluene	108-88-3	0.08	10
	Xylenes-mixed isomers	1330-20-7	0.32	30
	(sum of o-, m-, and p-xylene concentrations)			
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Lead	7439-92-1	0.69	NA
	Nickel	7440-02-0	NA	11 mg/ℓ TCLP
2294				
2295	K060			
2296				
2297	Ammonia still lime sludge from coking operations.			
2298				
	Benzene	71-43-2	0.14	10
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Naphthalene	91-20-3	0.059	5.6
	Phenol	108-95-2	0.039	6.2
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
2299				
2300	K061			
2301				

2302	Emission control dust or sludge from the primary production of steel in electric furnaces.			
2303				
	Antimony	7440-36-0	NA	1.15 mg/l TCLP
	Arsenic	7440-38-2	NA	5.0 mg/l TCLP
	Barium	7440-39-3	NA	21 mg/l TCLP
	Beryllium	7440-41-7	NA	1.22 mg/l TCLP
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	Nickel	7440-02-0	3.98	11 mg/l TCLP
	Selenium	7782-49-2	NA	5.7 mg/l TCLP
	Silver	7440-22-4	NA	0.14 mg/l TCLP
	Thallium	7440-28-0	NA	0.20 mg/l TCLP
	Zinc	7440-66-6	NA	4.3 mg/l TCLP
2304				
2305	K062			
2306				
2307	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel			
2308	industry (SIC Codes 331 and 332).			
2309				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Nickel	7440-02-0	3.98	NA
2310				
2311	K069			
2312				
2313	Emission control dust or sludge from secondary lead smelting-Calcium sulfate (Low Lead)			
2314	Subcategory.			
2315				
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2316				
2317	K069			
2318				
2319	Emission control dust or sludge from secondary lead smelting-Non-Calcium sulfate (High Lead)			
2320	Subcategory.			
2321				
	NA	NA	NA	RLEAD
2322				
2323	K071			
2324				

2325	K071 (Brine purification muds from the mercury cell process in chlorine production, where			
2326	separately prepurified brine is not used) nonwastewaters that are residues from RMERC.			
2327	Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
2328	K071			
2329	K071			
2330	K071 (Brine purification muds from the mercury cell process in chlorine production, where			
2331	separately prepurified brine is not used) nonwastewaters that are not residues from RMERC.			
2332	K071			
2333	Mercury	7439-97-6	NA	0.025 mg/ℓ TCLP
2334	K071			
2335	K071			
2336	K071			
2337	All K071 wastewaters.			
2338	Mercury	7439-97-6	0.15	NA
2339	K073			
2340	K073			
2341	K073			
2342	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using			
2343	graphite anodes in chlorine production.			
2344	Carbon tetrachloride	56-23-5	0.057	6.0
	Chloroform	67-66-3	0.046	6.0
	Hexachloroethane	67-72-1	0.055	30
	Tetrachloroethylene	127-18-4	0.056	6.0
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
2345	K083			
2346	K083			
2347	K083			
2348	Distillation bottoms from aniline production.			
2349	Aniline	62-53-3	0.81	14
	Benzene	71-43-2	0.14	10
	Cyclohexanone	108-94-1	0.36	NA
	Diphenylamine	122-39-4	0.92	13
	(difficult to distinguish from diphenylnitrosamine)			
	Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
	Nitrobenzene	98-95-3	0.068	14

	Phenol	108-95-2	0.039	6.2
	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
2350				
2351	K084			
2352				
2353	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals			
2354	from arsenic or organo-arsenic compounds.			
2355				
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
2356				
2357	K085			
2358				
2359	Distillation or fractionation column bottoms from the production of chlorobenzenes.			
2360				
	Benzene	71-43-2	0.14	10
	Chlorobenzene	108-90-7	0.057	6.0
	m-Dichlorobenzene	541-73-1	0.036	6.0
	o-Dichlorobenzene	95-50-1	0.088	6.0
	p-Dichlorobenzene	106-46-7	0.090	6.0
	Hexachlorobenzene	118-74-1	0.055	10
	Total PCBs	1336-36-3	0.10	10
	(sum of all PCB isomers, or all Aroclors)			
	Pentachlorobenzene	608-93-5	0.055	10
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
	1,2,4-Trichlorobenzene	120-82-1	0.055	19
2361				
2362	K086			
2363				
2364	Solvent wastes and sludges, caustic washes and sludges, or water washes and sludges from			
2365	cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and			
2366	stabilizers containing chromium and lead.			
2367				
	Acetone	67-64-1	0.28	160
	Acetophenone	96-86-2	0.010	9.7
	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
	n-Butyl alcohol	71-36-3	5.6	2.6
	Butylbenzyl phthalate	85-68-7	0.017	28
	Cyclohexanone	108-94-1	0.36	NA
	o-Dichlorobenzene	95-50-1	0.088	6.0
	Diethyl phthalate	84-66-2	0.20	28
	Dimethyl phthalate	131-11-3	0.047	28
	Di-n-butyl phthalate	84-74-2	0.057	28

	Di-n-octyl phthalate	117-84-0	0.017	28
	Ethyl acetate	141-78-6	0.34	33
	Ethylbenzene	100-41-4	0.057	10
	Methanol	67-56-1	5.6	NA
	Methyl ethyl ketone	78-93-3	0.28	36
	Methyl isobutyl ketone	108-10-1	0.14	33
	Methylene chloride	75-09-2	0.089	30
	Naphthalene	91-20-3	0.059	5.6
	Nitrobenzene	98-95-3	0.068	14
	Toluene	108-88-3	0.080	10
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
	Trichloroethylene	79-01-6	0.054	6.0
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2368				
2369	K087			
2370				
2371	Decanter tank tar sludge from coking operations.			
2372				
	Acenaphthylene	208-96-8	0.059	3.4
	Benzene	71-43-2	0.14	10
	Chrysene	218-01-9	0.059	3.4
	Fluoranthene	206-44-0	0.068	3.4
	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	85-01-8	0.059	5.6
	Toluene	108-88-3	0.080	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2373				
2374	K088			
2375				
2376	Spent potliners from primary aluminum reduction.			
2377				
	Acenaphthene	83-32-9	0.059	3.4
	Anthracene	120-12-7	0.059	3.4
	Benz(a)anthracene	56-55-3	0.059	3.4

Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene	205-99-2	0.11	6.8
Benzo(k)fluoranthene	207-08-9	0.11	6.8
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Fluoranthene	206-44-0	0.068	3.4
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Antimony	7440-36-0	1.9	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4	26.1 mg/l
Barium	7440-39-3	1.2	21 mg/l TCLP
Beryllium	7440-41-7	0.82	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Mercury	7439-97-6	0.15	0.025 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Selenium	7782-49-2	0.82	5.7 mg/l TCLP
Silver	7440-22-4	0.43	0.14 mg/l TCLP
Cyanide (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanide (Amenable) <sup>7</sup>	57-12-5	0.86	30
Fluoride	16984-48-8	35	NA

2378

2379 K093

2380

2381 Distillation light ends from the production of phthalic anhydride from ortho-xylene.

2382

Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28

2383

2384 K094

2385

2386 Distillation bottoms from the production of phthalic anhydride from ortho-xylene.

2387

2388	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
2389	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
2390				
2391	Distillation bottoms from the production of 1,1,1-trichloroethane.			
2392	Hexachloroethane	67-72-1	0.055	30
	Pentachloroethane	76-01-7	0.055	6.0
	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
	1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
	Tetrachloroethylene	127-18-4	0.056	6.0
	1,1,2-Trichloroethane	79-00-5	0.054	6.0
	Trichloroethylene	79-01-6	0.054	6.0
2393				
2394	K096			
2395				
2396	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.			
2397	m-Dichlorobenzene	541-73-1	0.036	6.0
	Pentachloroethane	76-01-7	0.055	6.0
	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
	1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
	Tetrachloroethylene	127-18-4	0.056	6.0
	1,2,4-Trichlorobenzene	120-82-1	0.055	19
	1,1,2-Trichloroethane	79-00-5	0.054	6.0
	Trichloroethylene	79-01-6	0.054	6.0
2398				
2399	K097			
2400				
2401	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.			
2402	Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
	Heptachlor	76-44-8	0.0012	0.066
	Heptachlor epoxide	1024-57-3	0.016	0.066
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
2403				
2404	K098			
2405				

2406	Untreated process wastewater from the production of toxaphene.			
2407				
	Toxaphene	8001-35-2	0.0095	2.6
2408				
2409	K099			
2410				
2411	Untreated wastewater from the production of 2,4-D.			
2412				
	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10
	HxCDDs (All	NA	0.000063	0.001
	Hexachlorodibenzo-p-dioxins)			
	HxCDFs (All	55684-94-1	0.000063	0.001
	Hexachlorodibenzofurans)			
	PeCDDs (All	36088-22-9	0.000063	0.001
	Pentachlorodibenzo-p-dioxins)			
	PeCDFs (All	30402-15-4	0.000035	0.001
	Pentachlorodibenzofurans)			
	TCDDs (All	41903-57-5	0.000063	0.001
	Tetrachlorodibenzo-p-dioxins)			
	TCDFs (All	55722-27-5	0.000063	0.001
	Tetrachlorodibenzofurans)			
2413				
2414	K100			
2415				
2416	Waste leaching solution from acid leaching of emission control dust or sludge from secondary			
2417	lead smelting.			
2418				
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2419				
2420	K101			
2421				
2422	Distillation tar residues from the distillation of aniline-based compounds in the production of			
2423	veterinary pharmaceuticals from arsenic or organo-arsenic compounds.			
2424				
	o-Nitroaniline	88-74-4	0.27	14
	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
	Cadmium	7440-43-9	0.69	NA
	Lead	7439-92-1	0.69	NA
	Mercury	7439-97-6	0.15	NA
2425				
2426	K102			

2427				
2428	Residue from the use of activated carbon for decolorization in the production of veterinary			
2429	pharmaceuticals from arsenic or organo-arsenic compounds.			
2430				
	o-Nitrophenol	88-75-5	0.028	13
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
	Cadmium	7440-43-9	0.69	NA
	Lead	7439-92-1	0.69	NA
	Mercury	7439-97-6	0.15	NA
2431				
2432	K103			
2433				
2434	Process residues from aniline extraction from the production of aniline.			
2435				
	Aniline	62-53-3	0.81	14
	Benzene	71-43-2	0.14	10
	2,4-Dinitrophenol	51-28-5	0.12	160
	Nitrobenzene	98-95-3	0.068	14
	Phenol	108-95-2	0.039	6.2
2436				
2437	K104			
2438				
2439	Combined wastewater streams generated from nitrobenzene or aniline production.			
2440				
	Aniline	62-53-3	0.81	14
	Benzene	71-43-2	0.14	10
	2,4-Dinitrophenol	51-28-5	0.12	160
	Nitrobenzene	98-95-3	0.068	14
	Phenol	108-95-2	0.039	6.2
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
2441				
2442	K105			
2443				
2444	Separated aqueous stream from the reactor product washing step in the production of			
2445	chlorobenzenes.			
2446				
	Benzene	71-43-2	0.14	10
	Chlorobenzene	108-90-7	0.057	6.0
	2-Chlorophenol	95-57-8	0.044	5.7
	o-Dichlorobenzene	95-50-1	0.088	6.0
	p-Dichlorobenzene	106-46-7	0.090	6.0
	Phenol	108-95-2	0.039	6.2
	2,4,5-Trichlorophenol	95-95-4	0.18	7.4

2447	2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2448	K106			
2449				
2450	K106 (wastewater treatment sludge from the mercury cell process in chlorine production)			
2451	nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.			
2452				
	Mercury	7439-97-6	NA	RMERC
2453				
2454	K106			
2455				
2456	K106 (wastewater treatment sludge from the mercury cell process in chlorine production)			
2457	nonwastewaters that contain less than 260 mg/kg total mercury that are residues from RMERC.			
2458				
	Mercury	7439-97-6	NA	0.20 mg/l TCLP
2459				
2460	K106			
2461				
2462	Other K106 nonwastewaters that contain less than 260 mg/kg total mercury and are not residues			
2463	from RMERC.			
2464				
	Mercury	7439-97-6	NA	0.025 mg/l TCLP
2465				
2466	K106			
2467				
2468	All K106 wastewaters.			
2469				
	Mercury	7439-97-6	0.15	NA
2470				
2471	K107			
2472				
2473	Column bottoms from product separation from the production of 1,1-dimethylhydrazine			
2474	(UDMH) from carboxylic acid hydrazides.			
2475				
	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2476				
2477	K108			
2478				

2479	Condensed column overheads from product separation and condensed reactor vent gases from			
2480	the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			
2481	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2482	K109			
2483	K109			
2484	K109			
2485	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine			
2486	(UDMH) from carboxylic acid hydrazides.			
2487	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2488	K110			
2489	K110			
2490	K110			
2491	Condensed column overheads from intermediate separation from the production of 1,1-			
2492	dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			
2493	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2494	K111			
2495	K111			
2496	K111			
2497	Product washwaters from the production of dinitrotoluene via nitration of toluene.			
2498	2,4-Dinitrotoluene	121-14-2	0.32	140
	2,6-Dinitrotoluene	606-20-2	0.55	28
2499	K112			
2500	K112			
2501	K112			
2502	Reaction by-product water from the drying column in the production of toluenediamine via			
2503	hydrogenation of dinitrotoluene.			

2504	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2505				
2506	K113			
2507				
2508	Condensed liquid light ends from the purification of toluenediamine in the production of			
2509	toluenediamine via hydrogenation of dinitrotoluene.			
2510	NA	NA	CARBN; or CMBST	CMBST
2511				
2512	K114			
2513				
2514	Vicinals from the purification of toluenediamine in the production of toluenediamine via			
2515	hydrogenation of dinitrotoluene.			
2516	NA	NA	CARBN; or CMBST	CMBST
2517				
2518	K115			
2519				
2520	Heavy ends from the purification of toluenediamine in the production of toluenediamine via			
2521	hydrogenation of dinitrotoluene.			
2522	Nickel NA	7440-02-0 NA	3.98 CARBN; or CMBST	11 mg/l TCLP CMBST
2523				
2524	K116			
2525				
2526	Organic condensate from the solvent recovery column in the production of toluene diisocyanate			
2527	via phosgenation of toluenediamine.			
2528	NA	NA	CARBN; or CMBST	CMBST
2529				
2530	K117			
2531				

2532	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via			
2533	bromination of ethene.			
2534	Methyl bromide (Bromomethane)	74-83-9	0.11	15
	Chloroform	67-66-3	0.046	6.0
	Ethylene dibromide (1,2- Dibromoethane)	106-93-4	0.028	15
2535	K118			
2536	K118			
2537	K118			
2538	Spent absorbent solids from purification of ethylene dibromide in the production of ethylene			
2539	dibromide via bromination of ethene.			
2540	Methyl bromide (Bromomethane)	74-83-9	0.11	15
	Chloroform	67-66-3	0.046	6.0
	Ethylene dibromide (1,2- Dibromoethane)	106-93-4	0.028	15
2541	K123			
2542	K123			
2543	K123			
2544	Process wastewater (including supernates, filtrates, and washwaters) from the production of			
2545	ethylenebisdithiocarbamic acid and its salts.			
2546	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2547	K124			
2548	K124			
2549	K124			
2550	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.			
2551	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2552	K125			
2553	K125			
2554	K125			
2555	Filtration, evaporation, and centrifugation solids from the production of			
2556	ethylenebisdithiocarbamic acid and its salts.			

2557	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2558				
2559	K126			
2560				
2561	Baghouse dust and floor sweepings in milling and packaging operations from the production or			
2562	formulation of ethylenebisdithiocarbamic acid and its salts.			
2563	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2564				
2565	K131			
2566				
2567	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of			
2568	methyl bromide.			
2569	Methyl bromide (Bromomethane)	74-83-9	0.11	15
2570				
2571	K132			
2572				
2573	Spent absorbent and wastewater separator solids from the production of methyl bromide.			
2574	Methyl bromide (Bromomethane)	74-83-9	0.11	15
2575				
2576	K136			
2577				
2578	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide			
2579	via bromination of ethene.			
2580	Methyl bromide (Bromomethane)	74-83-9	0.11	15
	Chloroform	67-66-3	0.046	6.0
	Ethylene dibromide (1,2- Dibromoethane)	106-93-4	0.028	15
2581				
2582	K141			

2583  
 2584 Process residues from the recovery of coal tar, including, but not limited to, collecting sump  
 2585 residues from the production of coke or the recovery of coke by-products produced from coal.  
 2586 This listing does not include K087 (decanter tank tar sludge from coking operations).  
 2587

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-2-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

2588  
 2589 K142  
 2590  
 2591 Tar storage tank residues from the production of coke from coal or from the recovery of coke by-  
 2592 products produced from coal.  
 2593

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

2594  
 2595 K143  
 2596  
 2597 Process residues from the recovery of light oil, including, but not limited to, those generated in  
 2598 stills, decanters, and wash oil recovery units from the recovery of coke by-products produced  
 2599 from coal.  
 2600

Benzene	71-43-2	0.14	10
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	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
	Chrysene	218-01-9	0.059	3.4
2601				
2602	K144			
2603				
2604	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or			
2605	contamination sump sludges from the recovery of coke by-products produced from coal.			
2606				
	Benzene	71-43-2	0.14	10
	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
	Chrysene	218-01-9	0.059	3.4
	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
2607				
2608	K145			
2609				
2610	Residues from naphthalene collection and recovery operations from the recovery of coke by-			
2611	products produced from coal.			
2612				
	Benzene	71-43-2	0.14	10
	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Chrysene	218-01-9	0.059	3.4
	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
	Naphthalene	91-20-3	0.059	5.6
2613				
2614	K147			
2615				
2616	Tar storage tank residues from coal tar refining.			
2617				

	Benzene	71-43-2	0.14	10
	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
	Chrysene	218-01-9	0.059	3.4
	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
2618				
2619	K148			
2620				
2621	Residues from coal tar distillation, including, but not limited to, still bottoms.			
2622				
	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzo(a)pyrene	50-32-8	0.061	3.4
	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
	Chrysene	218-01-9	0.059	3.4
	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
2623				
2624	K149			
2625				
2626	Distillation bottoms from the production of $\alpha$ - (or methyl-) chlorinated toluenes, ring-chlorinated			
2627	toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This			
2628	waste does not include still bottoms from the distillations of benzyl chloride.)			
2629				
	Chlorobenzene	108-90-7	0.057	6.0
	Chloroform	67-66-3	0.046	6.0
	Chloromethane	74-87-3	0.19	30
	p-Dichlorobenzene	106-46-7	0.090	6.0
	Hexachlorobenzene	118-74-1	0.055	10
	Pentachlorobenzene	608-93-5	0.055	10
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
	Toluene	108-88-3	0.080	10

2630  
 2631 K150  
 2632  
 2633 Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and  
 2634 hydrochloric acid recovery processes associated with the production of  $\alpha$ - (or methyl-)  
 2635 chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures  
 2636 of these functional groups.  
 2637

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Chloromethane	74-87-3	0.19	30
p-Dichlorobenzene	106-46-7	0.090	6.0
Hexachlorobenzene	118-74-1	0.055	10
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,1,2,2- Tetrachloroethane	79-34-5	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
1,2,4-Trichlorobenzene	120-82-1	0.055	19

2638  
 2639 K151  
 2640  
 2641 Wastewater treatment sludges, excluding neutralization and biological sludges, generated during  
 2642 the treatment of wastewaters from the production of  $\alpha$ - (or methyl-) chlorinated toluenes, ring-  
 2643 chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional  
 2644 groups.  
 2645

Benzene	71-43-2	0.14	10
Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Hexachlorobenzene	118-74-1	0.055	10
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
Tetrachloroethylene	127-18-4	0.056	6.0
Toluene	108-88-3	0.080	10

2646  
 2647 K156  
 2648  
 2649 Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and  
 2650 decantates) from the production of carbamates and carbamoyl oximes.

Acetonitrile	75-05-8	5.6	1.8
Acetophenone	98-86-2	0.010	9.7
Aniline	62-53-3	0.81	14

Benomyl <sup>10</sup>	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Benzene	71-43-2	0.14	10
Carbaryl <sup>10</sup>	<del>63-25-263-25-24</del>	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Carbenzadim <sup>10</sup>	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Carbofuran <sup>10</sup>	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Carbosulfan <sup>10</sup>	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Chlorobenzene	108-90-7	0.057	6.0
Chloroform	67-66-3	0.046	6.0
o-Dichlorobenzene	95-50-1	0.088	6.0
Methomyl <sup>10</sup>	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Methylene chloride	75-09-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Naphthalene	91-20-3	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyridine	110-86-1	0.014	16
Toluene	108-88-3	0.080	10
Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST

2651

2652 K157

2653

2654 Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters)  
2655 from the production of carbamates and carbamoyl oximes.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Chloromethane	74-87-3	0.19	30
Methomyl <sup>10</sup>	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Methylene chloride	75-09-2	0.089	30

	Methyl ethyl ketone	78-93-3	0.28	36
	Pyridine	110-86-1	0.014	16
	Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
2656				
2657	K158			
2658				
2659	Baghouse dusts and filter/separation solids from the production of carbamates and carbamoyl			
2660	oximes.			
	<u>Benomyl<sup>10</sup></u>	<u>17804-35-2</u>	<u>0.056; or CMBST, CHOXD, BIODG or CARBN</u>	<u>1.4; or CMBSTP</u>
	Benzene	71-43-2	0.14	10
	Carbenzadim <sup>10</sup>	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
	Carbofuran <sup>10</sup>	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
	Carbosulfan <sup>10</sup>	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
	Chloroform	67-66-3	0.046	6.0
	Methylene chloride	75-09-2	0.089	30
	Phenol	108-95-2	0.039	6.2
2661				
2662	K159			
2663				
2664	Organics from the treatment of thiocarbamate wastes. <sup>10</sup>			
2665				
	Benzene	71-43-2	0.14	10
	Butylate <sup>10</sup>	2008-41-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
	EPTC (Eptam) <sup>10</sup>	759-94-4	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
	Molinate <sup>10</sup>	2212-67-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

2666	Pebulate <sup>10</sup>	1114-71-2	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
2667	Vernolate <sup>10</sup>	1929-77-7	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
2668	K161			
2669	Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust,			
2670	and floor sweepings from the production of dithiocarbamate acids and their salts.			
2671	Antimony	7440-36-0	1.9	1.15 <sup>11</sup>
	Arsenic	7440-38-2	1.4	5.0 <sup>11</sup>
	Carbon disulfide	75-15-0	3.8	4.8 <sup>11</sup>
	Dithiocarbamates (total) <sup>10</sup>	137-30-4	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
	Lead	7439-92-1	0.69	0.75 <sup>11</sup>
	Nickel	7440-02-0	3.98	11 <sup>11</sup>
	Selenium	7782-49-2	0.82	5.7 <sup>11</sup>
2672	K169			
2673	Crude oil tank sediment from petroleum refining operations.			
2674				
2675				
2676	Benz(a)anthracene	56-55-3	0.059	3.4
	Benzene	71-43-2	0.14	10
	Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
	Chrysene	218-01-9	0.059	3.4
	Ethyl benzene	100-41-4	0.057	10
	Fluorene	86-73-7	0.059	3.4
	Naphthalene	91-20-3	0.059	5.6
	Phenanthrene	81-05-8	0.059	5.6
	Pyrene	129-00-0	0.067	8.2
	Toluene (Methyl Benzene)	108-88-3	0.080	10
	Xylenes (Total)	1330-20-7	0.32	30
2677	K170			
2678	Clarified slurry oil sediment from petroleum refining operations.			
2679				
2680				
2681	Benz(a)anthracene	56-55-3	0.059	3.4

Benzene	71-43-2	0.14	10
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Ethyl benzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	3.4
Indeno(1,2,3,-cd)pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	81-05-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30

2682

2683 K171

2684

2685 Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to  
 2686 desulfurize feeds to other catalytic reactors. (This listing does not include inert support media.)  
 2687

Benz(a)anthracene	56-55-3	0.059	3.4
Benzene	71-43-2	0.14	10
Chrysene	218-01-9	0.059	3.4
Ethyl benzene	100-41-4	0.057	10
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	81-05-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30
Arsenic	7740-38-2	1.4	5 mg/l TCLP
Nickel	7440-02-0	3.98	11.0 mg/l TCLP
Vanadium	7440-62-2	4.3	1.6 mg/l TCLP
Reactive sulfides	NA	DEACT	DEACT

2688

2689 K172

2690

2691 Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to  
 2692 desulfurize feeds to other catalytic reactors. (This listing does not include inert support media.)  
 2693

Benzene	71-43-2	0.14	10
Ethyl benzene	100-41-4	0.057	10
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30
Antimony	7740-36-0	1.9	1.15 mg/l TCLP
Arsenic	7740-38-2	1.4	5 mg/l TCLP

	Nickel	7440-02-0	3.98	11.0 mg/ℓ TCLP
	Vanadium	7440-62-2	4.3	1.6 mg/ℓ TCLP
	Reactive Sulfides	NA	DEACT	DEACT
2694				
2695	K174			
2696				
2697	Wastewater treatment sludge from the production of ethylene dichloride or vinyl chloride			
2698	monomer.			
2699				
	1,2,3,4,6,7,8- Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
	1,2,3,4,6,7,8- Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
	1,2,3,4,7,8,9- Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
	All hexachlorodibenzo-p-dioxins (HxCDDs)	34465-46-8	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	All hexachlorodibenzofurans (HxCDFs)	55684-94-1	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	1,2,3,4,6,7,8,9- Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
	1,2,3,4,6,7,8,9- Octachlorodibenzofuran (1,2,3,4,6,7,8,9-OCDF)	39001-02-0	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
	All pentachlorodibenzo-p- dioxins (PeCDDs)	36088-22-9	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	All pentachlorodibenzofurans (PeCDFs)	30402-15-4	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	All tetrachlorodibenzo-p-dioxins (TCDDs)	41903-57-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	All tetrachlorodibenzofurans (TCDFs)	55722-27-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
	Arsenic	7440-36-0	1.4	5.0 mg/ℓ TCLP
2700				
2701	K175			
2702				
2703	Wastewater treatment sludge from the production of vinyl chloride monomer using mercuric			
2704	chloride catalyst in an acetylene-based process.			
2705				

	Mercury <sup>12</sup>	7439-97-6	NA	0.025 mg/ℓ TCLP
	pH <sup>12</sup>		NA	pH ≤ 6.0
2706				
2707	K175			
2708				
2709	All K175 wastewaters.			
2710				
	Mercury	7439-97-6	0.15	NA
2711				
2712	K176			
2713				
2714	Baghouse filters from the production of antimony oxide, including filters from the production of			
2715	intermediates e.g., antimony metal or crude antimony oxide).			
2716				
	Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
	Cadmium	7440-43-9	0.69	0.11 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
	Mercury	7439-97-6	0.15	0.025 mg/ℓ TCLP
2717				
2718	K177			
2719				
2720	Slag from the production of antimony oxide that is speculatively accumulated or disposed,			
2721	including slag from the production of intermediates (e.g., antimony metal or crude antimony			
2722	oxide).			
2723				
	Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
2724				
2725	K178			
2726				
2727	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids			
2728	formed during the production of titanium dioxide using the chloride-ilmenite process.			
2729				
	1,2,3,4,6,7,8- Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
	1,2,3,4,6,7,8- Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>

1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Thallium	7440-28-0	1.4	0.20 mg/ℓ TCLP

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Nonwastewaters from the production of dyes or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in Section 721.132(c) which are equal to or greater than the corresponding Section 721.132(c) levels, as determined on a calendar-year basis.

Aniline	62-53-3	0.81	14
o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
4-Chloroaniline	106-47-8	0.46	16
p-Cresidine	120-71-8	0.010	0.66
2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66
1,2-Phenylenediamine	95-54-5	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN

2739	1,3-Phenylenediamine	108-45-2	0.010	0.66
2740	P001			
2741				
2742	Warfarin, & salts, when present at concentrations greater than 0.3 percent.			
2743	Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2744				
2745	P002			
2746				
2747	1-Acetyl-2-thiourea. 1-Acetyl-2-thiourea	591-08-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2748				
2749	P003			
2750				
2751	Acrolein.			
2752	Acrolein	107-02-8	0.29	CMBST
2753				
2754	P004			
2755				
2756	Aldrin.			
2757	Aldrin	309-00-2	0.021	0.066
2758				
2759	P005			
2760				
2761	Allyl alcohol.			
2762	Allyl alcohol	107-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2763				
2764	P006			
2765				
2766	Aluminum phosphide.			

2767	Aluminum phosphide	20859-73-8	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
2768	P007			
2769				
2770				
2771		5-Aminomethyl-3-isoxazolol.		
2772	5-Aminomethyl-3-isoxazolol	2763-96-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2773	P008			
2774				
2775				
2776		4-Aminopyridine.		
2777	4-Aminopyridine	504-24-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2778	P009			
2779				
2780				
2781		Ammonium picrate.		
2782	Ammonium picrate	131-74-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
2783	P010			
2784				
2785				
2786		Arsenic acid.		
2787	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2788	P011			
2789				
2790				
2791		Arsenic pentoxide.		
2792	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2793	P012			
2794				

2795				
2796	Arsenic trioxide.			
2797				
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
2798				
2799	P013			
2800				
2801	Barium cyanide.			
2802				
	Barium	7440-39-3	NA	21 mg/ℓ TCLP
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2803				
2804	P014			
2805				
2806	Thiophenol (Benzene thiol).			
2807				
	Thiophenol (Benzene thiol)	108-98-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2808				
2809	P015			
2810				
2811	Beryllium dust.			
2812				
	Beryllium	7440-41-7	RMETL;or RTHRM	RMETL; or RTHRM
2813				
2814	P016			
2815				
2816	Dichloromethyl ether (Bis(chloromethyl)ether).			
2817				
	Dichloromethyl ether	542-88-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2818				
2819	P017			
2820				
2821	Bromoacetone.			
2822				

	Bromoacetone	598-31-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2823				
2824	P018			
2825				
2826	Brucine.			
2827	Brucine	357-57-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2828				
2829	P020			
2830				
2831	2-sec-Butyl-4,6-dinitrophenol (Dinoseb).			
2832	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
2833				
2834	P021			
2835				
2836	Calcium cyanide.			
2837	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2838				
2839	P022			
2840				
2841	Carbon disulfide.			
2842	Carbon disulfide	75-15-0	3.8	CMBST
	Carbon disulfide; alternate <sup>6</sup> standard for nonwastewaters only	75-15-0	NA	4.8 mg/ℓ TCLP
2843				
2844	P023			
2845				
2846	Chloroacetaldehyde.			
2847				

	Chloroacetaldehyde	107-20-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2848				
2849	P024			
2850				
2851	p-Chloroaniline.			
2852				
	p-Chloroaniline	106-47-8	0.46	16
2853				
2854	P026			
2855				
2856	1-(o-Chlorophenyl)thiourea.			
2857				
	1-(o-Chlorophenyl)thiourea	5344-82-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2858				
2859	P027			
2860				
2861	3-Chloropropionitrile.			
2862				
	3-Chloropropionitrile	542-76-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2863				
2864	P028			
2865				
2866	Benzyl chloride.			
2867				
	Benzyl chloride	100-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2868				
2869	P029			
2870				
2871	Copper cyanide.			
2872				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

2873	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2874	P030			
2875				
2876	Cyanides (soluble salts and complexes).			
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2877				
2878	P031			
2879				
2880	Cyanogen.			
2881				
	Cyanogen	460-19-5	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
2882				
2883	P033			
2884				
2885	Cyanogen chloride.			
2886				
	Cyanogen chloride	506-77-4	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
2887				
2888	P034			
2889				
2890	2-Cyclohexyl-4,6-dinitrophenol.			
2891				
	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2892				
2893	P036			
2894				
2895	Dichlorophenylarsine.			
2896				
	Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
2897				
2898	P037			
2899				
2900	Dieldrin.			
2901				

2902	Dieldrin	60-57-1	0.017	0.13
2903	P038			
2904				
2905	Diethylarsine.			
2906				
	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2907				
2908	P039			
2909				
2910	Disulfoton.			
2911				
	Disulfoton	298-04-4	0.017	6.2
2912				
2913	P040			
2914				
2915	O,O-Diethyl-O-pyrazinyl-phosphorothioate.			
2916				
	O,O-Diethyl-O-pyrazinylphosphorothioate	297-97-2	CARBN; or CMBST	CMBST
2917				
2918	P041			
2919				
2920	Diethyl-p-nitrophenyl phosphate.			
2921				
	Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or CMBST	CMBST
2922				
2923	P042			
2924				
2925	Epinephrine.			
2926				
	Epinephrine	51-43-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2927				
2928	P043			
2929				
2930	Diisopropylfluorophosphate (DFP).			
2931				
	Diisopropylfluorophosphate (DFP)	55-91-4	CARBN; or CMBST	CMBST

2932				
2933	P044			
2934				
2935	Dimethoate.			
2936	Dimethoate	60-51-5	CARBN; or CMBST	CMBST
2937				
2938	P045			
2939				
2940	Thiofanox.			
2941	Thiofanox	39196-18-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2942				
2943	P046			
2944				
2945	$\alpha,\alpha$ -Dimethylphenethylamine.			
2946	$\alpha,\alpha$ -Dimethylphenethylamine	122-09-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2947				
2948	P047			
2949				
2950	4,6-Dinitro-o-cresol.			
2951	4,6-Dinitro-o-cresol	543-52-1	0.28	160
2952				
2953	P047			
2954				
2955	4,6-Dinitro-o-cresol salts.			
2956	NA	NA	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2957				
2958	P048			
2959				

2960	2,4-Dinitrophenol.			
2961	2,4-Dinitrophenol	51-28-5	0.12	160
2962				
2963	P049			
2964				
2965	Dithiobiuret.			
2966	Dithiobiuret	541-53-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2967				
2968	P050			
2969				
2970	Endosulfan.			
2971	Endosulfan I	939-98-8	0.023	0.066
	Endosulfan II	33213-6-5	0.029	0.13
	Endosulfan sulfate	1031-07-8	0.029	0.13
2972				
2973	P051			
2974				
2975	Endrin.			
2976	Endrin	72-20-8	0.0028	0.13
	Endrin aldehyde	7421-93-4	0.025	0.13
2977				
2978	P054			
2979				
2980	Aziridine.			
2981	Aziridine	151-56-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2982				
2983	P056			
2984				
2985	Fluorine.			
2986	Fluoride (measured in wastewaters only)	<del>16984-48-8</del> <del>16964-48-8</del>	35	ADGAS fb NEUTR

2987				
2988	P057			
2989				
2990	Fluoroacetamide.			
2991	Fluoroacetamide	640-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2992				
2993	P058			
2994				
2995	Fluoroacetic acid, sodium salt.			
2996	Fluoroacetic acid, sodium salt	62-74-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2997				
2998	P059			
2999				
3000	Heptachlor.			
3001	Heptachlor	76-44-8	0.0012	0.066
	Heptachlor epoxide	1024-57-3	0.016	0.066
3002				
3003	P060			
3004				
3005	Isodrin.			
3006	Isodrin	465-73-6	0.021	0.066
3007				
3008	P062			
3009				
3010	Hexaethyl tetraphosphate.			
3011	Hexaethyl tetraphosphate	757-58-4	CARBN; or CMBST	CMBST
3012				
3013	P063			
3014				
3015	Hydrogen cyanide.			
3016				

	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3017				
3018	P064			
3019				
3020	Isocyanic acid, ethyl ester.			
3021	Isocyanic acid, ethyl ester	624-83-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3022				
3023	P065			
3024				
3025	P065 (mercury fulminate) nonwastewaters, regardless of their total mercury content, that are not			
3026	incinerator residues or are not residues from RMERC.			
3027	Mercury	7439-97-6	NA	IMERC
3028				
3029	P065			
3030				
3031	P065 (mercury fulminate) nonwastewaters that are either incinerator residues or are residues			
3032	from RMERC; and contain greater than or equal to 260 mg/kg total mercury.			
3033	Mercury	7339-97-6	NA	RMERC
3034				
3035	P065			
3036				
3037	P065 (mercury fulminate) nonwastewaters that are residues from RMERC and contain less than			
3038	260 mg/kg total mercury.			
3039	Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
3040				
3041	P065			
3042				
3043	P065 (mercury fulminate) nonwastewaters that are incinerator residues and contain less than 260			
3044	mg/kg total mercury.			
3045	Mercury	7439-97-6	NA	0.025 mg/ℓ TCLP
3046				
3047	P065			
3048				
3049	All P065 (mercury fulminate) wastewaters.			

3050	Mercury	7439-97-6	0.15	NA
3051	P066			
3052				
3053	Methomyl.			
3054				
3055	Methomyl	16752-77-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3056				
3057	P067			
3058				
3059	2-Methyl-aziridine.			
3060	2-Methyl-aziridine	75-55-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3061				
3062	P068			
3063				
3064	Methyl hydrazine.			
3065	Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED, or CMBST
3066				
3067	P069			
3068				
3069	2-Methylactonitrile.			
3070	2-Methylactonitrile	75-86-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3071				
3072	P070			
3073				
3074	Aldicarb.			
3075				

	Aldicarb	116-06-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3076				
3077	P071			
3078				
3079	Methyl parathion.			
3080				
	Methyl parathion	298-00-0	0.014	4.6
3081				
3082	P072			
3083				
3084	1-Naphthyl-2-thiourea.			
3085				
	1-Naphthyl-2-thiourea	86-88-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3086				
3087	P073			
3088				
3089	Nickel carbonyl.			
3090				
	Nickel	7440-02-0	3.98	11 mg/l TCLP
3091				
3092	P074			
3093				
3094	Nickel cyanide.			
3095				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
	Nickel	7440-02-0	3.98	11 mg/l TCLP
3096				
3097	P075			
3098				
3099	Nicotine and salts.			
3100				
	Nicotine and salts	54-11-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3101				

3102	P076			
3103				
3104	Nitric oxide.			
3105	Nitric oxide	10102-43-9	ADGAS	ADGAS
3106				
3107	P077			
3108				
3109	p-Nitroaniline.			
3110	p-Nitroaniline	100-01-6	0.028	28
3111				
3112	P078			
3113				
3114	Nitrogen dioxide.			
3115	Nitrogen dioxide	10102-44-0	ADGAS	ADGAS
3116				
3117	P081			
3118				
3119	Nitroglycerin.			
3120	Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG or CMBST	CHOXD; CHRED; or CMBST
3121				
3122	P082			
3123				
3124	N-Nitrosodimethylamine.			
3125	N-Nitrosodimethylamine	62-75-9	0.40	2.3
3126				
3127	P084			
3128				
3129	N-Nitrosomethylvinylamine.			
3130	N-Nitrosomethylvinylamine	4549-40-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3131				
3132	P085			
3133				

3134	Octamethylpyrophosphoramide.			
3135	Octamethylpyrophosphoramide	152-16-9	CARBN; or CMBST	CMBST
3136				
3137	P087			
3138				
3139	Osmium tetroxide.			
3140	Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM
3141				
3142	P088			
3143				
3144	Endothall.			
3145	Endothall	145-73-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3146				
3147	P089			
3148				
3149	Parathion.			
3150	Parathion	56-38-2	0.014	4.6
3151				
3152	P092			
3153				
3154	P092 (phenyl mercuric acetate) nonwastewaters, regardless of their total mercury content, that			
3155	are not incinerator residues or are not residues from RMERC.			
3156	Mercury	7439-97-6	NA	IMERC; or RMERC
3157				
3158	P092			
3159				
3160	P092 (phenyl mercuric acetate) nonwastewaters that are either incinerator residues or are			
3161	residues from RMERC; and still contain greater than or equal to 260 mg/kg total mercury.			
3162	Mercury	7439-97-6	NA	RMERC
3163				
3164	P092			

3165				
3166	P092 (phenyl mercuric acetate) nonwastewaters that are residues from RMERC and contain less			
3167	than 260 mg/kg total mercury.			
3168	Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
3169				
3170	P092			
3171				
3172	P092 (phenyl mercuric acetate) nonwastewaters that are incinerator residues and contain less			
3173	than 260 mg/kg total mercury.			
3174	Mercury	7439-97-6	NA	0.025 mg/ℓ TCLP
3175				
3176	P092			
3177				
3178	All P092 (phenyl mercuric acetate) wastewaters.			
3179	Mercury	7439-97-6	0.15	NA
3180				
3181	P093			
3182				
3183	Phenylthiourea.			
3184	Phenylthiourea	103-85-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3185				
3186	P094			
3187				
3188	Phorate.			
3189	Phorate	298-02-2	0.021	4.6
3190				
3191	P095			
3192				
3193	Phosgene.			
3194	Phosgene	75-44-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3195				

3196	P096			
3197				
3198	Phosphine.			
3199	Phosphine	7803-51-2	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
3200				
3201	P097			
3202				
3203	Famphur.			
3204	Famphur	52-85-7	0.017	15
3205				
3206	P098			
3207				
3208	Potassium cyanide.			
3209	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3210				
3211	P099			
3212				
3213	Potassium silver cyanide.			
3214	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
	Silver	7440-22-4	0.43	0.14 mg/l TCLP
3215				
3216	P101			
3217				
3218	Ethyl cyanide (Propanenitrile).			
3219	Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
3220				
3221	P102			
3222				
3223	Propargyl alcohol.			
3224	Propargyl alcohol	107-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3225				

3226	P103			
3227				
3228	Selenourea.			
3229				
	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
3230				
3231	P104			
3232				
3233	Silver cyanide.			
3234				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
	Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP
3235				
3236	P105			
3237				
3238	Sodium azide.			
3239				
	Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3240				
3241	P106			
3242				
3243	Sodium cyanide.			
3244				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3245				
3246	P108			
3247				
3248	Strychnine and salts.			
3249				
	Strychnine and salts	57-24-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3250				
3251	P109			
3252				
3253	Tetraethyldithiopyrophosphate.			
3254				

	Tetraethyldithiopyrophosphate	3689-24-5	CARBN; or CMBST	CMBST
3255				
3256	P110			
3257				
3258	Tetraethyl lead.			
3259				
	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
3260				
3261	P111			
3262				
3263	Tetraethylpyrophosphate.			
3264				
	Tetraethylpyrophosphate	107-49-3	CARBN; or CMBST	CMBST
3265				
3266	P112			
3267				
3268	Tetranitromethane.			
3269				
	Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3270				
3271	P113			
3272				
3273	Thallic oxide.			
3274				
	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
3275				
3276	P114			
3277				
3278	Thallium selenite.			
3279				
	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
3280				
3281	P115			
3282				
3283	Thallium (I) sulfate.			
3284				
	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL

3285					
3286	P116				
3287					
3288	Thiosemicarbazide.				
3289	Thiosemicarbazide	79-19-6	(WETOX or CHOXD) fb CARBN; or CMBST		CMBST
3290					
3291	P118				
3292					
3293	Trichloromethanethiol.				
3294	Trichloromethanethiol	75-70-7	(WETOX or CHOXD) fb CARBN; or CMBST		CMBST
3295					
3296	P119				
3297					
3298	Ammonium vanadate.				
3299	Vanadium (measured in wastewaters only)	7440-62-2	4.3		STABL
3300					
3301	P120				
3302					
3303	Vanadium pentoxide.				
3304	Vanadium (measured in wastewaters only)	7440-62-2	4.3		STABL
3305					
3306	P121				
3307					
3308	Zinc cyanide.				
3309	Cyanides (Total) <sup>7</sup>	57-12-5	1.2		590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86		30
3310					
3311	P122				
3312					
3313	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10 percent.				

3314	Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
3315				
3316	P123			
3317				
3318	Toxaphene.			
3319	Toxaphene	8001-35-2	0.0095	2.6
3320				
3321	P127			
3322				
3323	Carbofuran. <sup>10</sup>			
3324	Carbofuran	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
3325				
3326	P128			
3327				
3328	Mexacarbate. <sup>10</sup>			
3329	Mexacarbate	315-18-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3330				
3331	P185			
3332				
3333	Tirpate. <sup>10</sup>			
3334	Tirpate	26419-73-8	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
3335				
3336	P188			
3337				
3338	Physostigmine salicylate. <sup>10</sup>			
3339	Physostigmine salicylate	57-64-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3340				
3341	P189			

3342				
3343	Carbosulfan. <sup>10</sup>			
3344	Carbosulfan	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3345				
3346	P190			
3347				
3348	Metolcarb. <sup>10</sup>			
3349	Metolcarb	1129-41-5	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3350				
3351	P191			
3352				
3353	Dimetilan. <sup>10</sup>			
3354	Dimetilan	644-64-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3355				
3356	P192			
3357				
3358	Isolan. <sup>10</sup>			
3359	Isolan	119-38-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3360				
3361	P194			
3362				
3363	Oxamyl. <sup>10</sup>			
3364	Oxamyl	23135-22-0	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
3365				
3366	P196			
3367				
3368	Manganese dimethyldithiocarbamates (total). <sup>10</sup>			
3369				

	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
3370				
3371	P197			
3372				
3373	Formparanate. <sup>10</sup>			
3374	Formparanate	17702-57-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3375				
3376	P198			
3377				
3378	Formetanate hydrochloride. <sup>10</sup>			
3379	Formetanate hydrochloride	23422-53-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3380				
3381	P199			
3382				
3383	Methiocarb. <sup>10</sup>			
3384	Methiocarb	2032-65-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3385				
3386	P201			
3387				
3388	Promecarb. <sup>10</sup>			
3389	Promecarb	2631-37-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3390				
3391	P202			
3392				
3393	m-Cumenyl methylcarbamate. <sup>10</sup>			
3394	m-Cumenyl methylcarbamate	64-00-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

3395				
3396	P203			
3397				
3398	Aldicarb sulfone. <sup>10</sup>			
3399	Aldicarb sulfone	1646-88-4	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
3400				
3401	P204			
3402				
3403	Physostigmine. <sup>10</sup>			
3404	Physostigmine	57-47-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
3405				
3406	P205			
3407				
3408	Ziram. <sup>10</sup>			
3409	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
3410				
3411	U001			
3412				
3413	Acetaldehyde.			
3414	Acetaldehyde	75-07-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3415				
3416	U002			
3417				
3418	Acetone.			
3419	Acetone	67-64-1	0.28	160
3420				
3421	U003			
3422				
3423	Acetonitrile.			

3424	Acetonitrile	75-05-8	5.6	CMBST
	Acetonitrile; alternate <sup>6</sup> standard for nonwastewaters only	75-05-8	NA	38
3425				
3426	U004			
3427				
3428	Acetophenone.			
3429	Acetophenone	98-86-2	0.010	9.7
3430				
3431	U005			
3432				
3433	2-Acetylaminofluorene.			
3434	2-Acetylaminofluorene	53-96-3	0.059	140
3435				
3436	U006			
3437				
3438	Acetyl chloride.			
3439	Acetyl chloride	75-36-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3440				
3441	U007			
3442				
3443	Acrylamide.			
3444	Acrylamide	79-06-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3445				
3446	U008			
3447				
3448	Acrylic acid.			
3449	Acrylic acid	79-10-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

3450				
3451	U009			
3452				
3453	Acrylonitrile.			
3454	Acrylonitrile	107-13-1	0.24	84
3455				
3456	U010			
3457				
3458	Mitomycin C.			
3459	Mitomycin C	50-07-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3460				
3461	U011			
3462				
3463	Amitrole.			
3464	Amitrole	61-82-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3465				
3466	U012			
3467				
3468	Aniline.			
3469	Aniline	62-53-3	0.81	14
3470				
3471	U014			
3472				
3473	Auramine.			
3474	Auramine	492-80-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3475				
3476	U015			
3477				
3478	Azaserine.			

3479	Azaserine	115-02-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3480				
3481	U016			
3482				
3483	Benz(c)acridine.			
3484	Benz(c)acridine	225-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3485				
3486	U017			
3487				
3488	Benzal chloride.			
3489	Benzal chloride	98-87-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3490				
3491	U018			
3492				
3493	Benz(a)anthracene.			
3494	Benz(a)anthracene	56-55-3	0.059	3.4
3495				
3496	U019			
3497				
3498	Benzene.			
3499	Benzene	71-43-2	0.14	10
3500				
3501	U020			
3502				
3503	Benzenesulfonyl chloride.			
3504				

	Benzenesulfonyl chloride	98-09-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3505				
3506	U021			
3507				
3508	Benzidine.			
3509	Benzidine	92-87-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3510				
3511	U022			
3512				
3513	Benzo(a)pyrene.			
3514	Benzo(a)pyrene	50-32-8	0.061	3.4
3515				
3516	U023			
3517				
3518	Benzotrichloride.			
3519	Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3520				
3521	U024			
3522				
3523	bis(2-Chloroethoxy)methane.			
3524	bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
3525				
3526	U025			
3527				
3528	bis(2-Chloroethyl)ether.			
3529	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
3530				
3531	U026			
3532				
3533	Chlornaphazine.			

3534	Chlornaphazine	494-03-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3535				
3536	U027			
3537				
3538	bis(2-Chloroisopropyl)ether.			
3539	bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
3540				
3541	U028			
3542				
3543	bis(2-Ethylhexyl)phthalate.			
3544	bis(2-Ethylhexyl)phthalate	117-81-7	0.28	28
3545				
3546	U029			
3547				
3548	Methyl bromide (Bromomethane).			
3549	Methyl bromide (Bromomethane)	74-83-9	0.11	15
3550				
3551	U030			
3552				
3553	4-Bromophenyl phenyl ether.			
3554	4-Bromophenyl phenyl ether	101-55-3	0.055	15
3555				
3556	U031			
3557				
3558	n-Butyl alcohol.			
3559	n-Butyl alcohol	71-36-3	5.6	2.6
3560				
3561	U032			
3562				
3563	Calcium chromate.			
3564	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
3565				

3566	U033				
3567					
3568	Carbon oxyfluoride.				
3569	Carbon oxyfluoride	353-50-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3570					
3571	U034				
3572					
3573	Trichloroacetaldehyde (Chloral).				
3574	Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3575					
3576	U035				
3577					
3578	Chlorambucil.				
3579	Chlorambucil	305-03-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3580					
3581	U036				
3582					
3583	Chlordane.				
3584	Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26	
3585					
3586	U037				
3587					
3588	Chlorobenzene.				
3589	Chlorobenzene	108-90-7	0.057	6.0	
3590					
3591	U038				
3592					
3593	Chlorobenzilate.				
3594					

3595	Chlorobenzilate	510-15-6	0.10	CMBST
3596	U039			
3597				
3598	p-Chloro-m-cresol.			
3599				
	p-Chloro-m-cresol	59-50-7	0.018	14
3600				
3601	U041			
3602				
3603	Epichlorohydrin (1-Chloro-2,3-epoxypropane).			
3604				
	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3605				
3606	U042			
3607				
3608	2-Chloroethyl vinyl ether.			
3609				
	2-Chloroethyl vinyl ether	110-75-8	0.062	CMBST
3610				
3611	U043			
3612				
3613	Vinyl chloride.			
3614				
	Vinyl chloride	75-01-4	0.27	6.0
3615				
3616	U044			
3617				
3618	Chloroform.			
3619				
	Chloroform	67-66-3	0.046	6.0
3620				
3621	U045			
3622				
3623	Chloromethane (Methyl chloride).			
3624				
	Chloromethane (Methyl chloride)	74-87-3	0.19	30
3625				
3626	U046			

3627				
3628	Chloromethyl methyl ether.			
3629	Chloromethyl methyl ether	107-30-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3630				
3631	U047			
3632				
3633	2-Chloronaphthalene.			
3634	2-Chloronaphthalene	91-58-7	0.055	5.6
3635				
3636	U048			
3637				
3638	2-Chlorophenol.			
3639	2-Chlorophenol	95-57-8	0.044	5.7
3640				
3641	U049			
3642				
3643	4-Chloro-o-toluidine hydrochloride.			
3644	4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3645				
3646	U050			
3647				
3648	Chrysene.			
3649	Chrysene	218-01-9	0.059	3.4
3650				
3651	U051			
3652				
3653	Creosote.			
3654	Naphthalene	91-20-3	0.059	5.6
	Pentachlorophenol	87-86-5	0.089	7.4
	Phenanthrene	85-01-8	0.059	5.6
	Pyrene	129-00-0	0.067	8.2

	Toluene	108-88-3	0.080	10
	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
3655				
3656	U052			
3657				
3658	Cresols (Cresylic acid).			
3659				
	o-Cresol	95-48-7	0.11	5.6
	m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
	p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
	Cresol-mixed isomers (Cresylic acid) (sum of o-, m-, and p-cresol concentrations)	1319-77-3	0.88	11.2
3660				
3661	U053			
3662				
3663	Crotonaldehyde.			
3664				
	Crotonaldehyde	4170-30-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3665				
3666	U055			
3667				
3668	Cumene.			
3669				
	Cumene	98-82-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3670				
3671	U056			
3672				
3673	Cyclohexane.			
3674				

	Cyclohexane	110-82-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3675				
3676	U057			
3677				
3678	Cyclohexanone.			
3679				
	Cyclohexanone	108-94-1	0.36	CMBST
	Cyclohexanone; alternate <sup>6</sup> standard for nonwastewaters only	108-94-1	NA	0.75 mg/ℓ TCLP
3680				
3681	U058			
3682				
3683	Cyclophosphamide.			
3684				
	Cyclophosphamide	50-18-0	CARBN; or CMBST	CMBST
3685				
3686	U059			
3687				
3688	Daunomycin.			
3689				
	Daunomycin	20830-81-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3690				
3691	U060			
3692				
3693	DDD.			
3694				
	o,p'-DDD	53-19-0	0.023	0.087
	p,p'-DDD	72-54-8	0.023	0.087
3695				
3696	U061			
3697				
3698	DDT.			
3699				
	o,p'-DDT	789-02-6	0.0039	0.087
	p,p'-DDT	50-29-3	0.0039	0.087

	o,p'-DDD	53-19-0	0.023	0.087
	p,p'-DDD	72-54-8	0.023	0.087
	o,p'-DDE	3424-82-6	0.031	0.087
	p,p'-DDE	72-55-9	0.031	0.087
3700				
3701	U062			
3702				
3703	Diallate.			
3704	Diallate	2303-16-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3705				
3706	U063			
3707				
3708	Dibenz(a,h)anthracene.			
3709	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
3710				
3711	U064			
3712				
3713	Dibenz(a,i)pyrene.			
3714	Dibenz(a,i)pyrene	189-55-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3715				
3716	U066			
3717				
3718	1,2-Dibromo-3-chloropropane.			
3719	1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
3720				
3721	U067			
3722				
3723	Ethylene dibromide (1,2-Dibromoethane).			
3724	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
3725				
3726	U068			

3727				
3728	Dibromomethane.			
3729	Dibromomethane	74-95-3	0.11	15
3730				
3731	U069			
3732				
3733	Di-n-butyl phthalate.			
3734	Di-n-butyl phthalate	84-74-2	0.057	28
3735				
3736	U070			
3737				
3738	o-Dichlorobenzene.			
3739	o-Dichlorobenzene	95-50-1	0.088	6.0
3740				
3741	U071			
3742				
3743	m-Dichlorobenzene.			
3744	m-Dichlorobenzene	541-73-1	0.036	6.0
3745				
3746	U072			
3747				
3748	p-Dichlorobenzene.			
3749	p-Dichlorobenzene	106-46-7	0.090	6.0
3750				
3751	U073			
3752				
3753	3,3'-Dichlorobenzidine.			
3754	3,3'-Dichlorobenzidine	91-94-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3755				
3756	U074			
3757				
3758	1,4-Dichloro-2-butene.			
3759				

	cis-1,4-Dichloro-2-butene	1476-11-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
	trans-1,4-Dichloro-2-butene	764-41-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3760				
3761	U075			
3762				
3763	Dichlorodifluoromethane.			
3764				
	Dichlorodifluoromethane	75-71-8	0.23	7.2
3765				
3766	U076			
3767				
3768	1,1-Dichloroethane.			
3769				
	1,1-Dichloroethane	75-34-3	0.059	6.0
3770				
3771	U077			
3772				
3773	1,2-Dichloroethane.			
3774				
	1,2-Dichloroethane	107-06-2	0.21	6.0
3775				
3776	U078			
3777				
3778	1,1-Dichloroethylene.			
3779				
	1,1-Dichloroethylene	75-35-4	0.025	6.0
3780				
3781	U079			
3782				
3783	1,2-Dichloroethylene.			
3784				
	trans-1,2-Dichloroethylene	156-60-5	0.054	30
3785				
3786	U080			
3787				
3788	Methylene chloride.			
3789				

3790	Methylene chloride	75-09-2	0.089	30
3791	U081			
3792				
3793	2,4-Dichlorophenol.			
3794				
	2,4-Dichlorophenol	120-83-2	0.044	14
3795				
3796	U082			
3797				
3798	2,6-Dichlorophenol.			
3799				
	2,6-Dichlorophenol	87-65-0	0.044	14
3800				
3801	U083			
3802				
3803	1,2-Dichloropropane.			
3804				
	1,2-Dichloropropane	78-87-5	0.85	18
3805				
3806	U084			
3807				
3808	1,3-Dichloropropylene.			
3809				
	cis-1,3-Dichloropropylene	10061-01-5	0.036	18
	trans-1,3-Dichloropropylene	10061-02-6	0.036	18
3810				
3811	U085			
3812				
3813	1,2,3,4-Diepoxybutane.			
3814				
	<u>1,2,3,4-Diepoxybutane</u> <del>1,2,3,4-Diepoxybutane</del>	1464-53-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3815				
3816	U086			
3817				
3818	N,N'-Diethylhydrazine.			
3819				
	N,N'-Diethylhydrazine	1615-80-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST

3820				
3821	U087			
3822				
3823	O,O-Diethyl-S-methyldithiophosphate.			
3824	O,O-Diethyl-S-methyldithiophosphate	3288-58-2	CARBN; or CMBST	CMBST
3825				
3826	U088			
3827				
3828	Diethyl phthalate.			
3829	Diethyl phthalate	84-66-2	0.20	28
3830				
3831	U089			
3832				
3833	Diethyl stilbestrol.			
3834	Diethyl stilbestrol	56-53-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3835				
3836	U090			
3837				
3838	Dihydrosafrole.			
3839	Dihydrosafrole	94-58-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3840				
3841	U091			
3842				
3843	3,3'-Dimethoxybenzidine.			
3844	3,3'-Dimethoxybenzidine	119-90-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3845				
3846	U092			
3847				

3848	Dimethylamine.				
3849	Dimethylamine	124-40-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3850					
3851	U093				
3852					
3853	p-Dimethylaminoazobenzene.				
3854	p-Dimethylaminoazobenzene	60-11-7	0.13	CMBST	
3855					
3856	U094				
3857					
3858	7,12-Dimethylbenz(a)anthracene.				
3859	7,12-Dimethylbenz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3860					
3861	U095				
3862					
3863	3,3'-Dimethylbenzidine.				
3864	3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3865					
3866	U096				
3867					
3868	$\alpha, \alpha$ -Dimethyl benzyl hydroperoxide.				
3869	$\alpha, \alpha$ -Dimethyl benzyl hydroperoxide	80-15-9	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST	
3870					
3871	U097				
3872					
3873	Dimethylcarbamoyl chloride.				
3874					

	Dimethylcarbamoyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3875				
3876	U098			
3877				
3878	1,1-Dimethylhydrazine.			
3879	1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3880				
3881	U099			
3882				
3883	1,2-Dimethylhydrazine.			
3884	1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3885				
3886	U101			
3887				
3888	2,4-Dimethylphenol.			
3889	2,4-Dimethylphenol	105-67-9	0.036	14
3890				
3891	U102			
3892				
3893	Dimethyl phthalate.			
3894	Dimethyl phthalate	131-11-3	0.047	28
3895				
3896	U103			
3897				
3898	Dimethyl sulfate.			
3899	Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3900				
3901	U105			
3902				

3903	2,4-Dinitrotoluene.				
3904	2,4-Dinitrotoluene	121-14-2	0.32		140
3905					
3906	U106				
3907					
3908	2,6-Dinitrotoluene.				
3909	2,6-Dinitrotoluene	606-20-2	0.55		28
3910					
3911	U107				
3912					
3913	Di-n-octyl phthalate.				
3914	Di-n-octyl phthalate	117-84-0	0.017		28
3915					
3916	U108				
3917					
3918	1,4-Dioxane.				
3919	1,4-Dioxane	123-91-1	(WETOX or CHOXD) fb CARBN; or CMBST		CMBST
	1,4-Dioxane; alternate <sup>6</sup> standard for nonwastewaters only	123-91-1	12.0		170
3920					
3921	U109				
3922					
3923	1,2-Diphenylhydrazine.				
3924	1,2-Diphenylhydrazine	122-66-7	CHOXD; CHRED; CARBN; BIODG; or CMBST		CHOXD; CHRED; or CMBST
	1,2-Diphenylhydrazine; alternate <sup>6</sup> standard for wastewaters only	122-66-7	0.087		NA
3925					
3926	U110				
3927					
3928	Dipropylamine.				
3929					

	Dipropylamine	142-84-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3930				
3931	U111			
3932				
3933	Di-n-propylnitrosamine.			
3934	Di-n-propylnitrosamine	621-64-7	0.40	14
3935				
3936	U112			
3937				
3938	Ethyl acetate.			
3939	Ethyl acetate	141-78-6	0.34	33
3940				
3941	U113			
3942				
3943	Ethyl acrylate.			
3944	Ethyl acrylate	140-88-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3945				
3946	U114			
3947				
3948	Ethylenebisdithiocarbamic acid salts and esters.			
3949	Ethylenebisdithiocarbamic acid	111-54-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3950				
3951	U115			
3952				
3953	Ethylene oxide.			
3954	Ethylene oxide	75-21-8	(WETOX or CHOXD) fb CARBN; or CMBST	CHOXD; or CMBST

3955	Ethylene oxide; alternate <sup>6</sup> standard for wastewaters only	75-21-8	0.12	NA
3956	U116			
3957				
3958	Ethylene thiourea.			
3959	Ethylene thiourea	96-45-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3960				
3961	U117			
3962				
3963	Ethyl ether.			
3964	Ethyl ether	60-29-7	0.12	160
3965				
3966	U118			
3967				
3968	Ethyl methacrylate.			
3969	Ethyl methacrylate	97-63-2	0.14	160
3970				
3971	U119			
3972				
3973	Ethyl methane sulfonate.			
3974	Ethyl methane sulfonate	62-50-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3975				
3976	U120			
3977				
3978	Fluoranthene.			
3979	Fluoranthene	206-44-0	0.068	3.4
3980				
3981	U121			
3982				
3983	Trichloromonofluoromethane.			
3984				

3985	Trichloromonofluoromethane	75-69-4	0.020	30
3986	U122			
3987				
3988	Formaldehyde.			
3989	Formaldehyde	50-00-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3990				
3991	U123			
3992				
3993	Formic acid.			
3994	Formic acid	64-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3995				
3996	U124			
3997				
3998	Furan.			
3999	Furan	110-00-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4000				
4001	U125			
4002				
4003	Furfural.			
4004	Furfural	98-01-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4005				
4006	U126			
4007				
4008	Glycidylaldehyde.			
4009				

			(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
	Glycidylaldehyde	765-34-4		
4010				
4011	U127			
4012				
4013	Hexachlorobenzene.			
4014				
	Hexachlorobenzene	118-74-1	0.055	10
4015				
4016	U128			
4017				
4018	Hexachlorobutadiene.			
4019				
	Hexachlorobutadiene	87-68-3	0.055	5.6
4020				
4021	U129			
4022				
4023	Lindane.			
4024				
	$\alpha$ -BHC	319-84-6	0.00014	0.066
	$\beta$ -BHC	319-85-7	0.00014	0.066
	$\delta$ -BHC	319-86-8	0.023	0.066
	$\gamma$ -BHC (Lindane)	58-89-9	0.0017	0.066
4025				
4026	U130			
4027				
4028	Hexachlorocyclopentadiene.			
4029				
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
4030				
4031	U131			
4032				
4033	Hexachloroethane.			
4034				
	Hexachloroethane	67-72-1	0.055	30
4035				
4036	U132			
4037				
4038	Hexachlorophene.			
4039				

	Hexachlorophene	70-30-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4040				
4041	U133			
4042				
4043	Hydrazine.			
4044	Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
4045				
4046	U134			
4047				
4048	Hydrogen fluoride.			
4049	Fluoride (measured in wastewaters only)	7664-39-3	35	ADGAS fb NEUTR; or NEUTR
4050				
4051	U135			
4052				
4053	Hydrogen sulfide.			
4054	Hydrogen sulfide	7783-06-4	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4055				
4056	U136			
4057				
4058	Cacodylic acid.			
4059	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
4060				
4061	U137			
4062				
4063	Indeno(1,2,3-cd)pyrene.			
4064				
4065	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
4066				
4067	U138			

4068				
4069	Iodomethane.			
4070	Iodomethane	74-88-4	0.19	65
4071				
4072	U140			
4073				
4074	Isobutyl alcohol.			
4075	Isobutyl alcohol	78-83-1	5.6	170
4076				
4077	U141			
4078				
4079	Isosafrole.			
4080	Isosafrole	120-58-1	0.081	2.6
4081				
4082	U142			
4083				
4084	Kepone.			
4085	Kepone	143-50-8	0.0011	0.13
4086				
4087	U143			
4088				
4089	Lasiocarpine.			
4090	Lasiocarpine	303-34-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4091				
4092	U144			
4093				
4094	Lead acetate.			
4095	Lead	7439-92-1	0.69	0.75 mg/l TCLP
4096				
4097	U145			
4098				
4099	Lead phosphate.			
4100	Lead	7439-92-1	0.69	0.75 mg/l TCLP

4101				
4102	U146			
4103				
4104	Lead subacetate.			
4105	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
4106				
4107	U147			
4108				
4109	Maleic anhydride.			
4110	Maleic anhydride	108-31-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4111				
4112	U148			
4113				
4114	Maleic hydrazide.			
4115	Maleic hydrazide	123-33-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4116				
4117	U149			
4118				
4119	Malononitrile.			
4120	Malononitrile	109-77-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4121				
4122	U150			
4123				
4124	Melphalan.			
4125	Melphalan	148-82-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4126				

4127	U151			
4128				
4129	U151 (mercury) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.			
4130	Mercury	7439-97-6	NA	RMERC
4131				
4132	U151			
4133				
4134	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are			
4135	residues from RMERC only.			
4136	Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
4137				
4138	U151			
4139				
4140	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are not			
4141	residues from RMERC only.			
4142	Mercury	7439-97-6	NA	0.025 mg/ℓ TCLP
4143				
4144	U151			
4145				
4146	All U151 (mercury) wastewater.			
4147	Mercury	7439-97-6	0.15	NA
4148				
4149	U151			
4150				
4151	Elemental Mercury Contaminated with Radioactive Materials.			
4152	Mercury	7439-97-6	NA	AMLGM
4153				
4154	U152			
4155				
4156	Methacrylonitrile.			
4157	Methacrylonitrile	126-98-7	0.24	84
4158				
4159	U153			
4160				
4161	Methanethiol.			
4162				

	Methanethiol	74-93-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4163				
4164	U154			
4165				
4166	Methanol.			
4167				
	Methanol	67-56-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
	Methanol; alternate <sup>6</sup> set of standards for both wastewaters and nonwastewaters	67-56-1	5.6	0.75 mg/l TCLP
4168				
4169	U155			
4170				
4171	Methapyrilene.			
4172				
	Methapyrilene	91-80-5	0.081	1.5
4173				
4174	U156			
4175				
4176	Methyl chlorocarbonate.			
4177				
	Methyl chlorocarbonate	79-22-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4178				
4179	U157			
4180				
4181	3-Methylcholanthrene.			
4182				
	3-Methylcholanthrene	56-49-5	0.0055	15
4183				
4184	U158			
4185				
4186	4,4'-Methylene bis(2-chloroaniline).			
4187				

4188	4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
4189	U159			
4190				
4191	Methyl ethyl ketone.			
4192	Methyl ethyl ketone	78-93-3	0.28	36
4193				
4194	U160			
4195				
4196	Methyl ethyl ketone peroxide.			
4197	Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
4198				
4199	U161			
4200				
4201	Methyl isobutyl ketone.			
4202	Methyl isobutyl ketone	108-10-1	0.14	33
4203				
4204	U162			
4205				
4206	Methyl methacrylate.			
4207	Methyl methacrylate	80-62-6	0.14	160
4208				
4209	U163			
4210				
4211	N-Methyl-N'-nitro-N-nitrosoguanidine.			
4212	N-Methyl-N'-nitro-N-nitrosoguanidine	70-25-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4213				
4214	U164			
4215				
4216	Methylthiouracil.			
4217				

	Methylthiouracil	56-04-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4218				
4219	U165			
4220				
4221	Naphthalene.			
4222				
	Naphthalene	91-20-3	0.059	5.6
4223				
4224	U166			
4225				
4226	1,4-Naphthoquinone.			
4227				
	1,4-Naphthoquinone	130-15-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4228				
4229	U167			
4230				
4231	1-Naphthylamine.			
4232				
	1-Naphthylamine	134-32-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4233				
4234	U168			
4235				
4236	2-Naphthylamine.			
4237				
	2-Naphthylamine	91-59-8	0.52	CMBST
4238				
4239	U169			
4240				
4241	Nitrobenzene.			
4242				
	Nitrobenzene	98-95-3	0.068	14
4243				
4244	U170			
4245				

4246	p-Nitrophenol.			
4247	p-Nitrophenol	100-02-7	0.12	29
4248				
4249	U171			
4250				
4251	2-Nitropropane.			
4252	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4253				
4254	U172			
4255				
4256	N-Nitrosodi-n-butylamine.			
4257	N-Nitrosodi-n-butylamine	924-16-3	0.40	17
4258				
4259	U173			
4260				
4261	N-Nitrosodiethanolamine.			
4262	N-Nitrosodiethanolamine	1116-54-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4263				
4264	U174			
4265				
4266	N-Nitrosodiethylamine.			
4267	N-Nitrosodiethylamine	55-18-5	0.40	28
4268				
4269	U176			
4270				
4271	N-Nitroso-N-ethylurea.			
4272	N-Nitroso-N-ethylurea	759-73-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4273				

4274	U177			
4275				
4276	N-Nitroso-N-methylurea.			
4277	N-Nitroso-N-methylurea	684-93-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4278				
4279	U178			
4280				
4281	N-Nitroso-N-methylurethane.			
4282	N-Nitroso-N-methylurethane	615-53-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4283				
4284	U179			
4285				
4286	N-Nitrosopiperidine.			
4287	N-Nitrosopiperidine	100-75-4	0.013	35
4288				
4289	U180			
4290				
4291	N-Nitrosopyrrolidine.			
4292	N-Nitrosopyrrolidine	930-55-2	0.013	35
4293				
4294	U181			
4295				
4296	5-Nitro-o-toluidine.			
4297	5-Nitro-o-toluidine	99-55-8	0.32	28
4298				
4299	U182			
4300				
4301	Paraldehyde.			
4302				

	Paraldehyde	123-63-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4303				
4304	U183			
4305				
4306	Pentachlorobenzene.			
4307				
	Pentachlorobenzene	608-93-5	0.055	10
4308				
4309	U184			
4310				
4311	Pentachloroethane.			
4312				
	Pentachloroethane	76-01-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
	Pentachloroethane; alternate <sup>6</sup> standards for both wastewaters and nonwastewaters	76-01-7	0.055	6.0
4313				
4314	U185			
4315				
4316	Pentachloronitrobenzene.			
4317				
	Pentachloronitrobenzene	82-68-8	0.055	4.8
4318				
4319	U186			
4320				
4321	1,3-Pentadiene.			
4322				
	1,3-Pentadiene	504-60-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4323				
4324	U187			
4325				
4326	Phenacetin.			
4327				
	Phenacetin	62-44-2	0.081	16

4328				
4329	U188			
4330				
4331	Phenol.			
4332				
	Phenol	108-95-2	0.039	6.2
4333				
4334	U189			
4335				
4336	Phosphorus sulfide.			
4337				
	Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4338				
4339	U190			
4340				
4341	Phthalic anhydride.			
4342				
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
4343				
4344	U191			
4345				
4346	2-Picoline.			
4347				
	2-Picoline	109-06-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4348				
4349	U192			
4350				
4351	Pronamide.			
4352				
	Pronamide	23950-58-5	0.093	1.5
4353				
4354	U193			
4355				
4356	1,3-Propane sultone.			

4357	1,3-Propane sultone	1120-71-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4358				
4359	U194			
4360				
4361	n-Propylamine.			
4362	n-Propylamine	107-10-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4363				
4364	U196			
4365				
4366	Pyridine.			
4367	Pyridine	110-86-1	0.014	16
4368				
4369	U197			
4370				
4371	p-Benzoquinone.			
4372	p-Benzoquinone	106-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4373				
4374	U200			
4375				
4376	Reserpine.			
4377	Reserpine	50-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4378				
4379	U201			
4380				
4381	Resorcinol.			
4382				

	Resorcinol	108-46-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4383				
4384	U203			
4385				
4386	Safrole.			
4387				
	Safrole	94-59-7	0.081	22
4388				
4389	U204			
4390				
4391	Selenium dioxide.			
4392				
	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
4393				
4394	U205			
4395				
4396	Selenium sulfide.			
4397				
	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
4398				
4399	U206			
4400				
4401	Streptozotocin.			
4402				
	Streptozotocin	18883-66-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4403				
4404	U207			
4405				
4406	1,2,4,5-Tetrachlorobenzene.			
4407				
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
4408				
4409	U208			
4410	1,1,1,2-			
4411	Tetrachloroethane.			
4412				
	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0

4413				
4414	U209			
4415				
4416	1,1,2,2-Tetrachloroethane.			
4417	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0
4418				
4419	U210			
4420				
4421	Tetrachloroethylene.			
4422	Tetrachloroethylene	127-18-4	0.056	6.0
4423				
4424	U211			
4425				
4426	Carbon tetrachloride.			
4427	Carbon tetrachloride	56-23-5	0.057	6.0
4428				
4429	U213			
4430				
4431	Tetrahydrofuran.			
4432	Tetrahydrofuran	109-99-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4433				
4434	U214			
4435				
4436	Thallium (I) acetate.			
4437	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4438				
4439	U215			
4440				
4441	Thallium (I) carbonate.			
4442	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4443				
4444	U216			

4445				
4446	Thallium (I) chloride.			
4447	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4448				
4449	U217			
4450				
4451	Thallium (I) nitrate.			
4452	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4453				
4454	U218			
4455				
4456	Thioacetamide.			
4457	Thioacetamide	62-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4458				
4459	U219			
4460				
4461	Thiourea.			
4462	Thiourea	62-56-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4463				
4464	U220			
4465				
4466	Toluene.			
4467	Toluene	108-88-3	0.080	10
4468				
4469	U221			
4470				
4471	Toluenediamine.			
4472	Toluenediamine	25376-45-8	CARBN; or CMBST	CMBST

4473				
4474	U222			
4475				
4476	o-Toluidine hydrochloride.			
4477	o-Toluidine hydrochloride	636-21-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4478				
4479	U223			
4480				
4481	Toluene diisocyanate.			
4482	Toluene diisocyanate	26471-62-5	CARBN; or CMBST	CMBST
4483				
4484	U225			
4485				
4486	Bromoform (Tribromomethane).			
4487	Bromoform (Tribromomethane)	75-25-2	0.63	15
4488				
4489	U226			
4490	1,1,1-Trichloroethane.			
4491	1,1,1-Trichloroethane	71-55-6	0.054	6.0
4492				
4493	U227			
4494				
4495	1,1,2-Trichloroethane.			
4496	1,1,2-Trichloroethane	79-00-5	0.054	6.0
4497				
4498	U228			
4499				
4500	Trichloroethylene.			
4501	Trichloroethylene	79-01-6	0.054	6.0
4502				
4503	U234			
4504	1,3,5-Trinitrobenzene.			
4505				

	1,3,5-Trinitrobenzene	99-35-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4506				
4507	U235			
4508				
4509	tris-(2,3-Dibromopropyl)-phosphate.			
4510	tris-(2,3-Dibromopropyl)- phosphate	126-72-7	0.11	0.10
4511				
4512	U236			
4513				
4514	Trypan Blue.			
4515	Trypan Blue	72-57-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4516				
4517	U237			
4518				
4519	Uracil mustard.			
4520	Uracil mustard	66-75-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4521				
4522	U238			
4523				
4524	Urethane (Ethyl carbamate).			
4525	Urethane (Ethyl carbamate)	51-79-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4526				
4527	U239			
4528				
4529	Xylenes.			
4530				

	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
4531				
4532	U240			
4533				
4534	2,4-D (2,4-Dichlorophenoxyacetic acid).			
4535				
	2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
	2,4-D (2,4-Dichlorophenoxyacetic acid) salts and esters	NA	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4536				
4537	U243			
4538				
4539	Hexachloropropylene.			
4540				
	Hexachloropropylene	1888-71-7	0.035	30
4541				
4542	U244			
4543				
4544	Thiram.			
4545				
	Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4546				
4547	U246			
4548				
4549	Cyanogen bromide.			
4550				
	Cyanogen bromide	506-68-3	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
4551				
4552	U247			
4553				
4554	Methoxychlor.			
4555				
	Methoxychlor	72-43-5	0.25	0.18

4556				
4557	U248			
4558				
4559	Warfarin, & salts, when present at concentrations of 0.3 percent or less.			
4560	Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4561				
4562	U249			
4563				
4564	Zinc phosphide, Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations of 10 percent or less.			
4565	Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4566				
4567	U271			
4568				
4569	Benomyl. <sup>10</sup>			
4570	Benomyl	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4571				
4572	U278			
4573				
4574	Bendiocarb. <sup>10</sup>			
4575	Bendiocarb	22781-23-3	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4576				
4577	U279			
4578				
4579	Carbaryl. <sup>10</sup>			
4580	Carbaryl	63-25-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
4581				
4582	U280			
4583				

4584	Barban. <sup>10</sup>			
4585	Barban	101-27-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4586				
4587	U328			
4588				
4589	o-Toluidine.			
4590	o-Toluidine	95-53-4	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4591				
4592	U353			
4593				
4594	p-Toluidine.			
4595	p-Toluidine	106-49-0	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4596				
4597	U359			
4598				
4599	2-Ethoxyethanol.			
4600	2-Ethoxyethanol	110-80-5	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4601				
4602	U364			
4603				
4604	Bendiocarb phenol. <sup>10</sup>			
4605				

	Bendiocarb phenol	22961-82-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4606				
4607	U367			
4608				
4609	Carbofuran phenol. <sup>10</sup>			
4610	Carbofuran phenol	1563-38-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4611				
4612	U372			
4613	Carbendazim. <sup>10</sup>			
4614	Carbendazim	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4615				
4616	U373			
4617				
4618	Propham. <sup>10</sup>			
4619	Propham	122-42-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4620				
4621	U387			
4622				
4623	Prosulfocarb. <sup>10</sup>			
4624	Prosulfocarb	52888-80-9	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4625				
4626	U389			
4627				
4628	Triallate. <sup>10</sup>			
4629	Triallate	2303-17-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4630				

4631	U394			
4632				
4633	A2213. <sup>10</sup>			
4634	A2213	30558-43-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4635				
4636	U395			
4637				
4638	Diethylene glycol, dicarbamate. <sup>10</sup>			
4639	Diethylene glycol, dicarbamate	5952-26-1	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4640				
4641	U404			
4642				
4643	Triethylamine. <sup>10</sup>			
4644	Triethylamine	<u>121-44-8</u> <del>101-44-8</del>	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
4645				
4646	U409			
4647				
4648	Thiophanate-methyl. <sup>10</sup>			
4649	Thiophanate-methyl	23564-05-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4650				
4651	U410			
4652				
4653	Thiodicarb. <sup>10</sup>			
4654	Thiodicarb	59669-26-0	0.019; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
4655				
4656	U411			
4657				
4658	Propoxur. <sup>10</sup>			



- 4699
- 4700 8 These wastes, when rendered non-hazardous and then subsequently managed in CWA or  
 4701 CWA-equivalent systems, are not subject to treatment standards. (See Section  
 4702 728.101(c)(3) and (c)(4).)  
 4703
- 4704 9 These wastes, when rendered non-hazardous and then subsequently injected in a Class I  
 4705 SDWA well, are not subject to treatment standards. (See 35 Ill. Adm. Code 738.101(d).)  
 4706
- 4707 10 The treatment standard for this waste may be satisfied by either meeting the constituent  
 4708 concentrations in the table in this Section or by treating the waste by the specified  
 4709 technologies: combustion, as defined by the technology code CMBST at Table C for  
 4710 nonwastewaters; and biodegradation, as defined by the technology code BIODG; carbon  
 4711 adsorption, as defined by the technology code CARBN; chemical oxidation, as defined by  
 4712 the technology code CHOXD; or combustion, as defined as technology code CMBST, at  
 4713 Table C, for wastewaters.  
 4714
- 4715 11 For these wastes, the definition of CMBST is limited to any of the following that have  
 4716 obtained a determination of equivalent treatment under Section 728.142(b): (1)  
 4717 combustion units operating under 35 Ill. Adm. Code 726, (2) combustion units permitted  
 4718 under Subpart O of 35 Ill. Adm. Code 724, or (3) combustion units operating under  
 4719 Subpart O of 35 Ill. Adm. Code 725.  
 4720
- 4721 12 Disposal of USEPA hazardous waste number K175 waste that has complied with all  
 4722 applicable Section 728.140 treatment standards must also be macroencapsulated in  
 4723 accordance with Table F of this Part, unless the waste is placed in either of the following  
 4724 types of facilities:  
 4725
- 4726 a) A RCRA Subtitle C monofill containing only K175 wastes that meet all  
 4727 applicable 40 CFR 268.40 treatment standards; or
  - 4728 b) A dedicated RCRA Subtitle C landfill cell in which all other wastes being co-  
 4729 disposed are at pH≤6.0.  
 4730

4731 BOARD NOTE: Derived from table to 40 CFR 268.40 ~~(2015)~~(2011).

4732 NA means not applicable.

4733  
 4734  
 4735 (Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
 4736

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~~NOTICE OF PROPOSED AMENDMENTS~~

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 728  
LAND DISPOSAL RESTRICTIONS

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728.102	Definitions
728.103	Dilution Prohibited as a Substitute for Treatment
728.104	Treatment Surface Impoundment Exemption
728.105	Procedures for Case-by-Case Extensions to an Effective Date
728.106	Petitions to Allow Land Disposal of a Waste Prohibited Pursuant to Subpart C
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728.113	Newly Listed Wastes
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SUBPART C: PROHIBITION ON LAND DISPOSAL

Section	
728.120	Waste-Specific Prohibitions: Dyes and Pigments Production Wastes
728.130	Waste-Specific Prohibitions: Wood Preserving Wastes
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- 728.132 Waste-Specific Prohibitions: Soils Exhibiting the Toxicity Characteristic for Metals and Containing PCBs
- 728.133 Waste-Specific Prohibitions: Chlorinated Aliphatic Wastes
- 728.134 Waste-Specific Prohibitions: Toxicity Characteristic Metal Wastes
- 728.135 Waste-Specific Prohibitions: Petroleum Refining Wastes
- 728.136 Waste-Specific Prohibitions: Inorganic Chemical Wastes
- 728.137 Waste-Specific Prohibitions: Ignitable and Corrosive Characteristic Wastes Whose Treatment Standards Were Vacated
- 728.138 Waste-Specific Prohibitions: Newly-Identified Organic Toxicity Characteristic Wastes and Newly-Listed Coke By-Product and Chlorotoluene Production Wastes
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SUBPART D: TREATMENT STANDARDS

- Section
- 728.140 Applicability of Treatment Standards
- 728.141 Treatment Standards Expressed as Concentrations in Waste Extract
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- 728.144 USEPA Variance from a Treatment Standard
- 728.145 Treatment Standards for Hazardous Debris
- 728.146 Alternative Treatment Standards Based on HTMR
- 728.148 Universal Treatment Standards
- 728.149 Alternative LDR Treatment Standards for Contaminated Soil

SUBPART E: PROHIBITIONS ON STORAGE

- Section
- 728.150 Prohibitions on Storage of Restricted Wastes
  
- 728.APPENDIX A Toxicity Characteristic Leaching Procedure (TCLP) (Repealed)
- 728.APPENDIX B Treatment Standards (As concentrations in the Treatment Residual Extract) (Repealed)
- 728.APPENDIX C List of Halogenated Organic Compounds Regulated under Section 728.132
- 728.APPENDIX D Wastes Excluded from Lab Packs
- 728.APPENDIX E Organic Lab Packs (Repealed)
- 728.APPENDIX F Technologies to Achieve Deactivation of Characteristics
- 728.APPENDIX G Federal Effective Dates

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728.APPENDIX H	National Capacity LDR Variances for UIC Wastes
728.APPENDIX I	EP Toxicity Test Method and Structural Integrity Test
728.APPENDIX J	Recordkeeping, Notification, and Certification Requirements (Repealed)
728.APPENDIX K	Metal-Bearing Wastes Prohibited from Dilution in a Combustion Unit According to Section 728.103(c)
728.TABLE A	Constituent Concentrations in Waste Extract (CCWE)
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728.TABLE C	Technology Codes and Description of Technology-Based Standards
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728.TABLE T	Treatment Standards for Hazardous Wastes
728.TABLE U	Universal Treatment Standards (UTS)

AUTHORITY: Implementing Sections 7.2 and 22.4 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 22.4, and 27].

SOURCE: Adopted in R87-5 at 11 Ill. Reg. 19354, effective November 12, 1987; amended in R87-39 at 12 Ill. Reg. 13046, effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 18403, effective November 13, 1989; amended in R89-9 at 14 Ill. Reg. 6232, effective April 16, 1990; amended in R90-2 at 14 Ill. Reg. 14470, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16508, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9462, effective June 17, 1991; amended in R90-11 at 15 Ill. Reg. 11937, effective August 12, 1991; amendment withdrawn at 15 Ill. Reg. 14716, October 11, 1991; amended in R91-13 at 16 Ill. Reg. 9619, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5727, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. 20692, effective November 22, 1993; amended in R93-16 at 18 Ill. Reg. 6799, effective April 26, 1994; amended in R94-7 at 18 Ill. Reg. 12203, effective July 29, 1994; amended in R94-17 at 18 Ill. Reg. 17563, effective November 23, 1994; amended in R95-6 at 19 Ill. Reg. 9660, effective June 27, 1995; amended in R95-20 at 20 Ill. Reg. 11100, effective August 1, 1996; amended in R96-10/R97-3/R97-5 at 22 Ill. Reg. 783, effective December 16, 1997; amended in R98-12 at 22 Ill. Reg. 7685, effective April 15, 1998; amended in R97-21/R98-3/R98-5 at 22 Ill. Reg. 17706, effective September 28, 1998; amended in R98-21/R99-2/R99-7 at 23 Ill. Reg. 1964, effective January 19, 1999; amended in R99-15 at 23 Ill. Reg. 9204, effective July 26, 1999; amended in R00-13 at 24 Ill. Reg. 9623, effective June 20, 2000; amended in R01-3 at 25 Ill. Reg. 1296, effective January 11, 2001; amended in

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R01-21/R01-23 at 25 Ill. Reg. 9181, effective July 9, 2001; amended in R02-1/R02-12/R02-17 at 26 Ill. Reg. 6687, effective April 22, 2002; amended in R03-18 at 27 Ill. Reg. 13045, effective July 17, 2003; amended in R05-8 at 29 Ill. Reg. 6049, effective April 13, 2005; amended in R06-5/R06-6/R06-7 at 30 Ill. Reg. 3800, effective February 23, 2006; amended in R06-16/R06-17/R06-18 at 31 Ill. Reg. 1254, effective December 20, 2006; amended in R07-5/R07-14 at 32 Ill. Reg. 12840, effective July 14, 2008; amended in R09-3 at 33 Ill. Reg. 1186, effective December 30, 2008; amended in R11-2/R11-16 at 35 Ill. Reg. 18131, effective October 14, 2011; amended in R12-7 at 36 Ill. Reg. 8790, effective June 4, 2012; amended in R13-15 at 37 Ill. Reg. 17951, effective October 24, 2013; amended in R16-7 at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

SUBPART A: GENERAL

**Section 728.101 Purpose, Scope, and Applicability**

- a) This Part identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited waste may continue to be land disposed.
- b) Except as specifically provided otherwise in this Part or 35 Ill. Adm. Code 721, the requirements of this Part apply to persons that generate or transport hazardous waste and to owners and operators of hazardous waste treatment, storage, and disposal facilities.
- c) Restricted wastes may continue to be land disposed as follows:
  - 1) Where a person has been granted an extension to the effective date of a prohibition pursuant to Subpart C of this Part or pursuant to Section 728.105, with respect to those wastes covered by the extension;
  - 2) Where a person has been granted an exemption from a prohibition pursuant to a petition pursuant to Section 728.106, with respect to those wastes and units covered by the petition;
  - 3) A waste that is hazardous only because it exhibits a characteristic of hazardous waste and which is otherwise prohibited pursuant to this Part is not prohibited if the following is true of the waste:

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- A) The waste is disposed into a non-hazardous or hazardous waste injection well, as defined in 35 Ill. Adm. Code 704.106(a); and
  - B) The waste does not exhibit any prohibited characteristic of hazardous waste identified in Subpart C of 35 Ill. Adm. Code 721 at the point of injection.
- 4) A waste that is hazardous only because it exhibits a characteristic of hazardous waste and which is otherwise prohibited pursuant to this Part is not prohibited if the waste meets any of the following criteria, unless the waste is subject to a specified method of treatment other than DEACT in Section 728.140 or is D003 reactive cyanide:
- A) Any of the following is true of either treatment or management of the waste:
    - i) The waste is managed in a treatment system that subsequently discharges to waters of the United States pursuant to a permit issued pursuant to 35 Ill. Adm. Code 309;
    - ii) The waste is treated for purposes of the pretreatment requirements of 35 Ill. Adm. Code 307 and 310; or
    - iii) The waste is managed in a zero discharge system engaged in Clean Water Act (CWA)-equivalent treatment, as defined in Section 728.137(a); and
  - B) The waste no longer exhibits a prohibited characteristic of hazardous waste at the point of land disposal (i.e., placement in a surface impoundment).
- d) This Part does not affect the availability of a waiver pursuant to Section 121(d)(4) of the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 USC 9621(d)(4)).
- e) The following hazardous wastes are not subject to any provision of this Part:

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- 1) Waste generated by small quantity generators of less than 100 kg of non-acute hazardous waste or less than 1 kg of acute hazardous waste per month, as defined in 35 Ill. Adm. Code 721.105;
- 2) Waste pesticide that a farmer disposes of pursuant to 35 Ill. Adm. Code 722.170;
- 3) Waste identified or listed as hazardous after November 8, 1984, for which USEPA has not promulgated a land disposal prohibition or treatment standard; or
- 4) De minimis losses of waste that exhibits a characteristic of hazardous waste to wastewaters are not considered to be prohibited waste and are defined as losses from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers or leaks from pipes, valves, or other devices used to transfer materials); minor leaks of process equipment, storage tanks, or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; rinsate from empty containers or from containers that are rendered empty by that rinsing; and laboratory waste that does not exceed one percent of the total flow of wastewater into the facility's headworks on an annual basis, or with a combined annualized average concentration not exceeding one part per million (ppm) in the headworks of the facility's wastewater treatment or pretreatment facility; or
- 5) Land disposal prohibitions for hazardous characteristic wastes do not apply to laboratory wastes displaying the characteristic of ignitability (D001), corrosivity (D002), or organic toxicity (D012 through D043) that are mixed with other plant wastewaters at facilities whose ultimate discharge is subject to regulation pursuant to the CWA (including wastewaters at facilities that have eliminated the discharge of wastewater), provided that the annualized flow of laboratory wastewater into the facility's headworks does not exceed one percent or that the laboratory wastes' combined annualized average concentration does not exceed one part per million in the facility's headworks.
- f) A universal waste handler or universal waste transporter (as defined in 35 Ill.

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Adm. Code 720.110) is exempt from Sections 728.107 and 728.150 for the hazardous wastes listed below. Such a handler or transporter is subject to regulation pursuant to 35 Ill. Adm. Code 733.

- 1) Batteries, as described in 35 Ill. Adm. Code 733.102;
  - 2) Pesticides, as described in 35 Ill. Adm. Code 733.103;
  - 3) Mercury-containing equipment, as described in 35 Ill. Adm. Code 733.104; and
  - 4) Lamps, as described in 35 Ill. Adm. Code 733.105.
- g) This Part is cumulative with the land disposal restrictions of 35 Ill. Adm. Code 729. The Environmental Protection Agency (Agency) must not issue a wastestream authorization pursuant to 35 Ill. Adm. Code 709 or Section 22.6 or 39(h) of the Environmental Protection Act [415 ILCS 5/22.6 or 39(h)] unless the waste meets the requirements of this Part as well as 35 Ill. Adm. Code 729.
- h) Electronic reporting. The filing of any document pursuant to any provision of this Part as an electronic document is subject to 35 Ill. Adm. Code 720.104.

BOARD NOTE: Subsection (h) is derived from 40 CFR 3, as added, and 40 CFR 271.10(b), 271.11(b), and 271.12(h) ~~(2015)~~ (2005), as amended at 70 Fed. Reg. 59848 (Oct. 13, 2005) ~~(2015)~~.

(Source: Amended at 40 Ill. Reg. ———, effective ———)

**Section 728.107 Testing, Tracking, and Recordkeeping Requirements for Generators, Treaters, and Disposal Facilities**

- a) Requirements for generators.
- 1) A generator of a hazardous waste must determine if the waste has to be treated before it can be land disposed. This is done by determining if the hazardous waste meets the treatment standards in Section 728.140, 728.145, or 728.149. This determination can be made concurrently with the hazardous waste determination required in 35 Ill. Adm. Code 722.111,

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in either of two ways: testing the waste or using knowledge of the waste. If the generator tests the waste, testing determines the total concentration of hazardous constituents or the concentration of hazardous constituents in an extract of the waste obtained using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a), depending on whether the treatment standard for the waste is expressed as a total concentration or concentration of hazardous constituent in the waste extract. (Alternatively, the generator must send the waste to a RCRA-permitted hazardous waste treatment facility, where the waste treatment facility must comply with the requirements of 35 Ill. Adm. Code 724.113 and subsection (b) of this Section.) In addition, some hazardous wastes must be treated by particular treatment methods before they can be land disposed and some soils are contaminated by such hazardous wastes. These treatment standards are also found in Section 728.140 and Table T of this Part, and are described in detail in Table C of this Part. These wastes and soils contaminated with such wastes do not need to be tested (however, if they are in a waste mixture, other wastes with concentration level treatment standards must be tested). If a generator determines that it is managing a waste or soil contaminated with a waste that displays a hazardous characteristic of ignitability, corrosivity, reactivity, or toxicity, the generator must comply with the special requirements of Section 728.109 in addition to any applicable requirements in this Section.

- 2) If the waste or contaminated soil does not meet the treatment standard or if the generator chooses not to make the determination of whether its waste must be treated, the generator must send a one-time written notice to each treatment or storage facility receiving the waste with the initial shipment of waste to each treatment or storage facility, and the generator must place a copy of the one-time notice in the file. The notice must include the information in column "728.107(a)(2)" of the Generator Paperwork Requirements Table in Table I of this Part. (Alternatively, if the generator chooses not to make the determination of whether the waste must be treated, the notification must include the USEPA hazardous waste numbers and manifest number of the first shipment, and it must include the following statement: "This hazardous waste may or may not be

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subject to the LDR treatment standards. The treatment facility must make the determination.<sup>22")</sup> No further notification is necessary until such time that the waste or facility changes, in which case a new notification must be sent and a copy placed in the generator<sup>21)</sup>s file.

- 3) If the waste or contaminated soil meets the treatment standard at the original point of generation, the waste generator must do the following:
  - A) With the initial shipment of waste to each treatment, storage, or disposal facility, the generator must send a one-time written notice to each treatment, storage, or disposal facility receiving the waste, and place a copy in its own file. The notice must include the information indicated in column ~~"728.107(a)(3)"~~ of the Generator Paperwork Requirements Table in Table I of this Part and the following certification statement, signed by an authorized representative:

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in Subpart D of 35 Ill. Adm. Code 728. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
  - B) For contaminated soil, with the initial shipment of wastes to each treatment, storage, or disposal facility, the generator must send a one-time written notice to each facility receiving the waste and place a copy in the file. The notice must include the information in the column headed ~~"(a)(3)"~~ in Table I of this Part.
  - C) If the waste changes, the generator must send a new notice and certification to the receiving facility and place a copy in its files. A generator of hazardous debris excluded from the definition of hazardous waste under 35 Ill. Adm. Code 721.103(f) is not subject to these requirements.

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- 4) For reporting, tracking and recordkeeping when exceptions allow certain wastes or contaminated soil that do not meet the treatment standards to be land disposed, there are certain exemptions from the requirement that hazardous wastes or contaminated soil meet treatment standards before they can be land disposed. These include, but are not limited to, case-by-case extensions under Section 728.105, disposal in a no-migration unit under Section 728.106, or a national capacity variance or case-by-case capacity variance under Subpart C of this Part. If a generator's waste is so exempt, then with the initial shipment of waste, the generator must send a one-time written notice to each land disposal facility receiving the waste. The notice must include the information indicated in column 728.107(a)(4) of the Generator Paperwork Requirements Table in Table I of this Part. If the waste changes, the generator must send a new notice to the receiving facility, and place a copy in its file.
- 5) If a generator is managing and treating prohibited waste or contaminated soil in tanks, containers, or containment buildings regulated under 35 Ill. Adm. Code 722.134 to meet applicable LDR treatment standards found at Section 728.140, the generator must develop and follow a written waste analysis plan that describes the procedures it will carry out to comply with the treatment standards. (Generators treating hazardous debris under the alternative treatment standards of Table F of this Part, however, are not subject to these waste analysis requirements.) The plan must be kept on site in the generator's records, and the following requirements must be met:
  - A) The waste analysis plan must be based on a detailed chemical and physical analysis of a representative sample of the prohibited wastes being treated, and contain all information necessary to treat the wastes in accordance with the requirements of this Part, including the selected testing frequency;
  - B) Such plan must be kept in the facility's on-site files and made available to inspectors; and
  - C) Wastes shipped off-site pursuant to this subsection (a)(5) of this Section must comply with the notification requirements of

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subsection (a)(3) of this Section.

- 6) If a generator determines that the waste or contaminated soil is restricted based solely on its knowledge of the waste, all supporting data used to make this determination must be retained on-site in the generator's files. If a generator determines that the waste is restricted based on testing this waste or an extract developed using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, all waste analysis data must be retained on-site in the generator's files.
- 7) If a generator determines that it is managing a prohibited waste that is excluded from the definition of hazardous or solid waste or which is exempt from Subtitle C regulation under 35 Ill. Adm. Code 721.102 through 721.106 subsequent to the point of generation (including deactivated characteristic hazardous wastes that are managed in wastewater treatment systems subject to the CWA, as specified at 35 Ill. Adm. Code 721.104(a)(2); that are CWA-equivalent; or that are managed in an underground injection well regulated under 35 Ill. Adm. Code 730), the generator must place a one-time notice stating such generation, subsequent exclusion from the definition of hazardous or solid waste or exemption from RCRA Subtitle C regulation, and the disposition of the waste in the generating facility's on-site file.
- 8) A generator must retain a copy of all notices, certifications, waste analysis data, and other documentation produced pursuant to this Section on-site for at least three years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal. The three-year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Agency. The requirements of this subsection (a)(8) apply to solid wastes even when the hazardous characteristic is removed prior to disposal, or when the waste is excluded from the definition of hazardous or solid waste under 35 Ill. Adm. Code 721.102 through 721.106, or exempted from RCRA Subtitle C regulation, subsequent to the point of generation.

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- 9) If a generator is managing a lab pack containing hazardous wastes and wishes to use the alternative treatment standard for lab packs found at Section 728.142(c), the generator must fulfill the following conditions:
  - A) With the initial shipment of waste to a treatment facility, the generator must submit a notice that provides the information in column ~~"Section 728.107(a)(9)"~~ in the Generator Paperwork Requirements Table of Table I of this Part and the following certification. The certification, which must be signed by an authorized representative and must be placed in the generator's files, must say the following:

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix D to 35 Ill. Adm. Code 728 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 35 Ill. Adm. Code 728.142(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.
  - B) No further notification is necessary until such time as the wastes in the lab pack change, or the receiving facility changes, in which case a new notice and certification must be sent and a copy placed in the generator's file.
  - C) If the lab pack contains characteristic hazardous wastes (D001-D043), underlying hazardous constituents (as defined in Section 728.102(i)) need not be determined.
  - D) The generator must also comply with the requirements in subsections (a)(6) and (a)(7) of this Section.
- 10) Small quantity generators with tolling agreements pursuant to 35 Ill. Adm. Code 722.120(e) must comply with the applicable notification and certification requirements of subsection (a) of this Section for the initial shipment of the waste subject to the agreement. Such generators must

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retain on-site a copy of the notification and certification, together with the tolling agreement, for at least three years after termination or expiration of the agreement. The three-year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Agency.

- b) The owner or operator of a treatment facility must test its wastes according to the frequency specified in its waste analysis plan, as required by 35 Ill. Adm. Code 724.113 (for permitted TSDs) or 725.113 (for interim status facilities). Such testing must be performed as provided in subsections (b)(1), (b)(2), and (b)(3) of this Section.
  - 1) For wastes or contaminated soil with treatment standards expressed in the waste extract (TCLP), the owner or operator of the treatment facility must test an extract of the treatment residues using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, to assure that the treatment residues extract meets the applicable treatment standards.
  - 2) For wastes or contaminated soil with treatment standards expressed as concentrations in the waste, the owner or operator of the treatment facility must test the treatment residues (not an extract of such residues) to assure that the treatment residues meet the applicable treatment standards.
  - 3) A one-time notice must be sent with the initial shipment of waste or contaminated soil to the land disposal facility. A copy of the notice must be placed in the treatment facility's file.
    - A) No further notification is necessary until such time that the waste or receiving facility changes, in which case a new notice must be sent and a copy placed in the treatment facility's file.
    - B) The one-time notice must include the following requirements :
      - i) USEPA hazardous waste number and manifest number of first shipment;

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- ii) The waste is subject to the LDRs. The constituents of concern for F001 through F005 and F039 waste and underlying hazardous constituents in characteristic wastes, unless the waste will be treated and monitored for all constituents. If all constituents will be treated and monitored, there is no need to put them all on the LDR notice;
  - iii) The notice must include the applicable wastewater/nonwastewater category (see Section 728.102(d) and (f)) and subdivisions made within a waste code based on waste-specific criteria (such as D003 reactive cyanide);
  - iv) Waste analysis data (when available);
  - v) For contaminated soil subject to LDRs as provided in Section 728.149(a), the constituents subject to treatment as described in Section 728.149(d) and the following statement, "  this contaminated soil (does/does not) contain listed hazardous waste and (does/does not) exhibit a characteristic of hazardous waste and (is subject to/complies with) the soil treatment standards as provided by Section 728.149(c)  "; and
  - vi) A certification is needed (see applicable Section for exact wording).
- 4) The owner or operator of a treatment facility must submit a certification signed by an authorized representative with the initial shipment of waste or treatment residue of a restricted waste to the land disposal facility. The certification must state as follows:

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the

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treatment standards specified in 35 Ill. Adm. Code 728.140 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

A certification is also necessary for contaminated soil and it must state as follows:

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 35 Ill. Adm. Code 728.149 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- A) A copy of the certification must be placed in the treatment facility's on-site files. If the waste or treatment residue changes, or the receiving facility changes, a new certification must be sent to the receiving facility, and a copy placed in the treatment facility's file.
- B) Debris excluded from the definition of hazardous waste under 35 Ill. Adm. Code 721.103(f) (i.e., debris treated by an extraction or destruction technology listed in Table F of this Part and debris that the Agency has determined does not contain hazardous waste) is subject to the notification and certification requirements of subsection (d) of this Section rather than the certification requirements of this subsection (b)(4).
- C) For wastes with organic constituents having treatment standards expressed as concentration levels, if compliance with the treatment standards is based in part or in whole on the analytical detection limit alternative specified in Section 728.140(d), the certification must be signed by an authorized representative and must state as follows:

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I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in Table C to 35 Ill. Adm. Code 728. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- D) For characteristic wastes that are subject to the treatment standards in Section 728.140 and Table T of this Part (other than those expressed as a required method of treatment) or Section 728.149 and which contain underlying hazardous constituents, as defined in Section 728.102(i); if these wastes are treated on-site to remove the hazardous characteristic; and that are then sent off-site for treatment of underlying hazardous constituents, the certification must state as follows:

I certify under penalty of law that the waste has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.140 and Table T of Section 728.149 of that Part to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- E) For characteristic wastes that contain underlying hazardous constituents, as defined in Section 728.102(i), that are treated on-site to remove the hazardous characteristic and to treat underlying hazardous constituents to levels in Section 728.148 and Table U of this Part universal treatment standards, the certification

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must state as follows:

I certify under penalty of law that the waste has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.140 and Table T of that Part to remove the hazardous characteristic and that underlying hazardous constituents, as defined in 35 Ill. Adm. Code 728.102(i), have been treated on-site to meet the universal treatment standards of 35 Ill. Adm. Code 728.148 and Table U of that Part. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- 5) If the waste or treatment residue will be further managed at a different treatment, storage, or disposal facility, the treatment, storage, or disposal facility that sends the waste or treatment residue off-site must comply with the notice and certification requirements applicable to generators under this Section.
- 6) Where the wastes are recyclable materials used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), regarding treatment standards and prohibition levels, the owner or operator of a treatment facility (i.e., the recycler) must, for the initial shipment of waste, prepare a one-time certification described in subsection (b)(4) of this Section and a notice that includes the information listed in subsection (b)(3) of this Section (except the manifest number). The certification and notification must be placed in the facility's on-site files. If the waste or the receiving facility changes, a new certification and notification must be prepared and placed in the on-site files. In addition, the owner or operator of the recycling facility also must keep records of the name and location of each entity receiving the hazardous waste-derived product.
- c) Except where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal pursuant to 35 Ill. Adm. Code 726.120(b), the owner or operator of any land disposal facility disposing any waste subject to restrictions under this Part must do the following:
  - 1) Maintain in its files copies of the notice and certifications specified in

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subsection (a) or (b) of this Section.

- 2) Test the waste or an extract of the waste or treatment residue developed using Method 1311 (Toxicity Characteristic Leaching Procedure in ~~"~~Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~"~~ USEPA publication number EPA-530/SW-846) to assure that the waste or treatment residue is in compliance with the applicable treatment standards set forth in Subpart D of this Part. Such testing must be performed according to the frequency specified in the facility's waste analysis plan as required by 35 Ill. Adm. Code 724.113 or 35 Ill. Adm. Code 725.113.
  - 3) Where the owner or operator is disposing of any waste that is subject to the prohibitions under Section 728.133(f) but not subject to the prohibitions set forth in Section 728.132, the owner or operator must ensure that such waste is the subject of a certification according to the requirements of Section 728.108 prior to disposal in a landfill or surface impoundment unit, and that such disposal is in accordance with the requirements of Section 728.105(h)(2). The same requirement applies to any waste that is subject to the prohibitions under Section 728.133(f) and also is subject to the statutory prohibitions in the codified prohibitions in Section 728.139 or Section 728.132.
  - 4) Where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal subject to the provisions of 35 Ill. Adm. Code 726.120(b), the owner or operator is not subject to subsections (c)(1) through (c)(3) of this Section with respect to such waste.
- d) A generator or treater that first claims that hazardous debris is excluded from the definition of hazardous waste under 35 Ill. Adm. Code 721.103(f) (i.e., debris treated by an extraction or destruction technology provided by Table F of this Part, and debris that has been delisted) is subject to the following notification and certification requirements:
- 1) A one-time notification must be submitted to the Agency including the following information:
    - A) The name and address of the RCRA Subtitle D (municipal solid waste landfill) facility receiving the treated debris;

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- B) A description of the hazardous debris as initially generated, including the applicable USEPA hazardous waste numbers; and
  - C) For debris excluded under 35 Ill. Adm. Code 721.103(~~ef~~)(1) 721.103(~~fe~~)(1), the technology from Table F of this Part used to treat the debris.
- 2) The notification must be updated if the debris is shipped to a different facility and, for debris excluded under 35 Ill. Adm. Code ~~721.102(f)(1)~~ 721.103(~~f~~)(1) 721.102(f)(1), if a different type of debris is treated or if a different technology is used to treat the debris.
- 3) For debris excluded under 35 Ill. Adm. Code ~~721.102(f)(1)~~ 721.103(~~f~~)(1) 721.102(f)(1), the owner or operator of the treatment facility must document and certify compliance with the treatment standards of Table F of this Part, as follows:
- A) Records must be kept of all inspections, evaluations, and analyses of treated debris that are made to determine compliance with the treatment standards;
  - B) Records must be kept of any data or information the treater obtains during treatment of the debris that identifies key operating parameters of the treatment unit; and
  - C) For each shipment of treated debris, a certification of compliance with the treatment standards must be signed by an authorized representative and placed in the facility's files. The certification must state as follows:

I certify under penalty of law that the debris has been treated in accordance with the requirements of 35 Ill. Adm. Code 728.145. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment.

- e) A generator or treater that first receives a determination from USEPA or the



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~~Section 728.Appendix C~~ **728.APPENDIX C List of Halogenated Organic Compounds Regulated under Section 728.132**

In determining the concentration of halogenated organic compounds (HOCs) in a hazardous waste for purposes of the Section 728.132 land disposal prohibition, USEPA has defined the HOCs that must be included in a calculation as any compounds having a carbon-halogen bond that are listed in this Appendix (see Section 728.102). This Appendix C to Part 728 consists of the following compounds:

I. Volatiles

1. Bromodichloromethane (CAS No. 75-27-4)
2. Bromomethane (CAS No. 74-83-9)
3. Carbon Tetrachloride (tetrachloromethane) (CAS No. 56-23-5)
4. Chlorobenzene (CAS No. 108-90-7)
5. 2-Chloro-1,3-butadiene (CAS No. 126-99-8)
6. Chlorodibromomethane (CAS No. 124-48-1)
7. Chloroethane (CAS No. 75-00-3)
8. 2-Chloroethyl vinyl ether ((2-chloroethoxy)ethene) (CAS No. 110-75-8)
9. Chloroform (trichloromethane) (CAS No. 67-66-3)
10. Chloromethane (CAS No. 74-87-3)
11. 3-Chloropropene (3-chloroprop-1-ene) (CAS No. 107-05-1)
12. 1,2-Dibromo-3-chloropropane (CAS No. 96-12-8)
13. ~~1,2-Dibromomethane~~ 1,2-Dibromoethane (CAS No. 106-93-4) [1,2-Dibromomethane](#)

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14. Dibromomethane (CAS No. 74-95-3)
15. Trans-1,4-Dichloro-2-butene ((2E)-1,4-dichloro-2-butene) (CAS No. 110-57-6)
16. Dichlorodifluoromethane (CAS No. 75-71-8)
17. 1,1-Dichloroethane (CAS No. 75-34-3)
18. 1,2-Dichloroethane (CAS No. 107-06-2)
19. 1,1-Dichloroethylene (1,1-dichloroethene) (CAS No. 75-35-4)
20. Trans-1,2-Dichloroethene ((1E)-1,2-dichloroethene) (CAS No. 156-60-5)
21. 1,2-Dichloropropane (CAS No. 78-87-5)
22. Trans-1,3-Dichloropropene ((1E)-1,3-dichloroprop-1-ene) (CAS No. 10061-02-6)
23. cis-1,3-Dichloropropene ((1Z)-1,3-dichloroprop-1-ene) (CAS No. 10061-01-5)
24. Iodomethane (CAS No. 74-88-4)
25. Methylene chloride (dichloromethane) (CAS No. 75-09-2)
26. 1,1,1,2-Tetrachloroethane (CAS No. 630-20-6)
27. 1,1,2,2-Tetrachloroethane (CAS No. 79-34-5)
28. Tetrachloroethene (CAS No. 127-18-4)
29. Tribromomethane (CAS No. 75-25-2)
30. 1,1,1-Trichloroethane (CAS No. 71-55-6)
31. 1,1,2-Trichloroethane (CAS No. 79-00-5)
32. Trichloroethene (CAS No. 79-01-6)

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33. Trichloromonofluoromethane (trichlorofluoromethane) (CAS No. 75-69-4)
34. ~~1,2,3-Trichloropropane~~ 1,2,3-trichloropropane (CAS No. 96-18-4) [1,2,3-Trichloropropane](#)
35. Vinyl Chloride (chloroethene) (CAS No. 75-01-4)

II. Semivolatiles

1. Bis(2-chloroethoxy)ethane (1,2-bis(2-chloroethoxy)ethane) (CAS No. 112-26-5)
2. Bis(2-chloroethyl)~~ether~~ [Bis\(2-chloroethyl\) ether](#) (1,1'-oxybis(2-chloroethane)) (CAS No. 111-44-4) [Bis\(2-chloroethyl\)ether](#)
3. Bis(2-chloroisopropyl)ether (2,2'-oxybis(2-chloropropane)) (CAS No. 39638-32-9)
4. p-Chloroaniline (4-chlorobenzeneamine) (CAS No. 106-47-8)
5. Chlorobenzilate (ethyl 2,2-bis(4-chlorophenyl)-2-hydroxyacetate) (CAS No. 510-15-6)
6. p-Chloro-m-cresol (4-chloro-3-methylphenol) (CAS No. 59-50-7)
7. 2-Chloronaphthalene (CAS No. 91-58-7)
8. 2-Chlorophenol (CAS No. 95-57-8)
9. 3-Chloropropionitrile (3-chloropronanenitrile) (CAS No. 542-76-7)
10. m-Dichlorobenzene (1,3-dichlorobenzene) (CAS No. 541-73-1)
11. o-Dichlorobenzene (1,2-dichlorobenzene) (CAS No. 95-50-1)
12. p-Dichlorobenzene (1,4-dichlorobenzene) (CAS No. 106-46-7)
13. [3,3'](#)3,3'-Dichlorobenzidine (4-(4-amino-3-chlorophenyl)-2-chloroaniline) (CAS No. 91-94-1)

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14. 2,4-Dichlorophenol (CAS No. 120-83-2)
15. 2,6-Dichlorophenol (CAS No. 87-65-0)
16. Hexachlorobenzene (CAS No. 118-74-1)
17. Hexachlorobutadiene (hexachlorobuta-1,3-diene) (CAS No. 87-68-3)
18. Hexachlorocyclopentadiene (CAS No. 77-47-4)
19. Hexachloroethane (CAS No. 67-72-1)
20. Hexachlorophene (2,2'-methylenebis(3,4,6-trichlorophenol)) (CAS No. 70-30-4)
21. Hexachloropropene (CAS No. 1888-71-7)
22. 4,4'-Methylenebis(2-chloroaniline)  
(4-[(4-amino-3-chlorophenyl)methyl]-2-chloroaniline) (CAS No. 101-14-4)
23. Pentachlorobenzene (CAS No. 608-93-5)
24. Pentachloroethane (CAS No. 76-01-7)
25. Pentachloronitrobenzene (CAS No. 82-68-8)
26. Pentachlorophenol (CAS No. 87-86-5)
27. Pronamide (3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide) (CAS No. 23950-58-5)
28. 1,2,4,5-Tetrachlorobenzene (CAS No. 95-94-3)
29. 2,3,4,6-Tetrachlorophenol (CAS No. 58-90-2)
30. 1,2,4-Trichlorobenzene (CAS No. 120-82-1)
31. 2,4,5-Trichlorophenol (CAS No. 95-95-4)

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32. 2,4,6-Trichlorophenol (CAS No. 88-06-2)
33. Tris(~~2,3-dibromopropyl~~)phosphate~~Tris~~(2,3-dibromopropyl) phosphate (CAS No. 126-72-7)

III. Organochlorine Pesticides

1. Aldrin  
((1R,4S,4aS,5S,8R,8aR)-1,2,3,4,10,10-hexachloro-1,2,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthlene) (CAS No. 309-00-2)
2. alpha-BHC ( $\alpha$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-84-6)
3. beta-BHC ( $\beta$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-85-7)
4. delta-BHC ( $\delta$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 58-89-9)
5. gamma-BHC ( $\gamma$ -1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-86-8)
6. ~~Chlorodane~~~~Chlordane~~Chlordane  
(1,2,4,5,6,7,8,8-octachloro-3a,4,5,5a-tetrahydro-4,7-methanoindane) (CAS No. 57-74-9)Chlorodane
7. DDD (1,1-bis(4-chlorophenyl)-2,2-dichloroethane) (CAS No. 72-54-8)
8. DDE (1,1-bis(4-chlorophenyl)-2,2-dichloroethene) (CAS No. 72-55-9)
9. DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane) (CAS No. 50-29-3)
10. Dieldrin  
((1aR,2R,2aS,3S,6R,7S,7aS)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphtho[2,3-b]oxirene) (CAS No. 60-57-1)
11. Endosulfan I  
((3 $\alpha$ ,5 $\alpha$ ,6 $\alpha$ ,9 $\alpha$ ,9 $\alpha$ )-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 959-98-8)

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12. Endosulfan II  
((3 $\alpha$ ,5 $\alpha$  $\beta$ ,6 $\beta$ ,9 $\beta$ ,9 $\alpha\alpha$ )-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 33213-65-9)
13. Endrin  
(1 $\alpha\alpha$ ,2 $\beta$ ,2 $\alpha\beta$ ,3 $\alpha\alpha$ ,6 $\alpha$ ,6 $\alpha\beta$ ,7 $\beta$ ,7 $\alpha\alpha$ )-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth(2,3-b)oxirene) (CAS No. 72-20-8)
14. Endrin aldehyde  
(1 $\alpha$ ,2 $\beta$ ,2 $\alpha\beta$ ,4 $\beta$ ,4 $\alpha\beta$ ,5 $\beta$ ,6 $\alpha\beta$ ,6 $\beta\beta$ ,7R\*)-2,2a,3,3,4,7-hexachlorodecahydro-1,2,4-methenocyclopenta(c,d)pentalene-5-carboxaldehyde) (CAS No. 7421-93-4)
15. Heptachlor  
(1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1*H*-indene) (CAS No. 76-44-8)
16. Heptachlor epoxide  
((1aR,1bS,2R,5S,5aR,6S,6aR)-2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2*H*-indeno(1,2b)oxirene) (CAS No. 1024-57-3)
17. Isodrin  
((1R,4S,4aS,5R,8S,8aR)-rel-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthlaene) (CAS No. 465-73-6)
18. Kepone  
(1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2*H*-cyclobuta(cd)pentalen-2-one) (CAS No. 143-50-0)
19. ~~Methoxyclor~~~~Methoxyehlor~~~~Methoxychlor~~  
(1,1'-(2,2,2-trichloroethylidene)bis(4-methoxybenzene)) (CAS No. 72-43-5)  
~~Methoxyclor~~
20. Toxaphene (CAS No. 8001-35-2)

IV. Phenoxyacetic Acid Herbicides

1. 2,4-Dichlorophenoxyacetic acid (CAS No. 94-75-7)

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2. Silvex (2-(2,4,5-trichlorophenoxy)propionic acid) (CAS No. 93-72-1)
3. 2,4,5-T (2,4,5-trichlorophenoxyacetic acid) (CAS No. 93-76-5)

V. PCBs

1. Aroclor 1016 (CAS No. 12674-11-2)
2. Aroclor 1221 (CAS No. 11104-28-2)
3. Aroclor 1232 (CAS No. 11141-16-5)
4. Aroclor 1242 (CAS No. 53469-21-9)
5. Aroclor 1248 (CAS No. 12672-29-6)
6. Aroclor 1254 (CAS No. 11097-69-1)
7. Aroclor 1260 (CAS No. 11096-82-5)
8. PCBs not otherwise specified (CAS No. 1336-36-3)

VI. Dioxins and Furans

1. Hexachlorodibenzo-p-dioxins (CAS No. 34465-46-8)
2. Hexachlorodibenzofuran (CAS No. 55684-94-1)
3. Pentachlorodibenzo-p-dioxins (CAS No. 36088-22-9)
4. Pentachlorodibenzofuran (CAS No. 30402-15-4)
5. Tetrachlorodibenzo-p-dioxins (CAS No. 41903-57-5)
6. Tetrachlorodibenzofuran (CAS No. 30402-14-3; 55722-27-5)
7. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin) (CAS No. 1746-01-6)

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BOARD NOTE: Derived from appendix III to 40 CFR 268 ([2015](#))(2010), ~~(2015)~~.

(Source: Amended at 40 Ill. Reg. ~~—~~, effective ~~\_\_\_\_\_~~)

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Section 728. ~~Appendix G 728.~~ APPENDIX G Federal Effective Dates

The following are the effective dates for the USEPA rules in 40 CFR 268. These generally became effective as Illinois rules at a later date.

~~TABLE 1  
EFFECTIVE DATES OF SURFACE DISPOSED WASTES (NON-SOIL AND  
DEBRIS) REGULATED IN THE LDRS<sup>a</sup> – COMPREHENSIVE LIST~~

TABLE 1  
EFFECTIVE DATES OF SURFACE DISPOSED WASTES (NON-SOIL AND  
DEBRIS) REGULATED IN THE LDRS<sup>a</sup> – COMPREHENSIVE LIST

Waste code	Waste category	Effective date
D001 <sup>c</sup>	All (except High TOC Ignitable Liquids)	August 9, 1993
D001	High TOC Ignitable Liquids	August 8, 1990
D002 <sup>c</sup>	All	August 9, 1993
D003 <sup>e</sup>	Newly identified surface-disposed elemental phosphorus processing wastes	May 26, 2000
D004	Newly identified D004 and mineral processing wastes	August 24, 1998
D004	Mixed radioactive/newly identified D004 or mineral processing wastes	May 26, 2000
D005	Newly identified D005 and mineral processing wastes	August 24, 1998
D005	Mixed radioactive/newly identified D005 or mineral processing wastes	May 26, 2000
D006	Newly identified D006 and mineral processing wastes	August 24, 1998
D006	Mixed radioactive/newly identified D006 or mineral processing wastes	May 26, 2000
D007	Newly identified D007 and mineral processing wastes	August 24, 1998
D007	Mixed radioactive/newly identified D007 or mineral processing wastes	May 26, 2000
D008	Newly identified D008 and mineral processing waste	August 24, 1998
D008	Mixed radioactive/newly identified D008 or mineral processing wastes	May 26, 2000
D009	Newly identified D009 and mineral processing waste	August 24, 1998
D009	Mixed radioactive/newly identified D009 or mineral processing wastes	May 26, 2000

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D010	Newly identified D010 and mineral processing wastes	August 24, 1998
D010	Mixed radioactive/newly identified D010 or mineral processing wastes	May 26, 2000
D011	Newly identified D011 and mineral processing wastes	August 24, 1998
D011	Mixed radioactive/newly identified D011 or mineral processing wastes	May 26, 2000
D012 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D013 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D014 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D015 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D016 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D017 (that exhibit the toxicity characteristic based on the TCLP) <sup>d</sup>	All	December 14, 1994
D018	Mixed with radioactive wastes	September 19, 1996
D018	All others	December 19, 1994
D019	Mixed with radioactive wastes	September 19, 1996
D019	All others	December 19, 1994
D020	Mixed with radioactive wastes	September 19, 1996
D020	All others	December 19, 1994
D021	Mixed with radioactive wastes	September 19, 1996
D021	All others	December 19, 1994
D022	Mixed with radioactive wastes	September 19, 1996
D022	All others	December 19, 1994
D023	Mixed with radioactive wastes	September 19, 1996
D023	All others	December 19, 1994
D024	Mixed with radioactive wastes	September 19, 1996
D024	All others	December 19, 1994

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D025	Mixed with radioactive wastes	September 19, 1996
D025	All others	December 19, 1994
D026	Mixed with radioactive wastes	September 19, 1996
D026	All others	December 19, 1994
D027	Mixed with radioactive wastes	September 19, 1996
D027	All others	December 19, 1994
D028	Mixed with radioactive wastes	September 19, 1996
D028	All others	December 19, 1994
D029	Mixed with radioactive wastes	September 19, 1996
D029	All others	December 19, 1994
D030	Mixed with radioactive wastes	September 19, 1996
D030	All others	December 19, 1994
D031	Mixed with radioactive wastes	September 19, 1996
D031	All others	December 19, 1994
D032	Mixed with radioactive wastes	September 19, 1996
D032	All others	December 19, 1994
D033	Mixed with radioactive wastes	September 19, 1996
D033	All others	December 19, 1994
D034	Mixed with radioactive wastes	September 19, 1996
D034	All others	December 19, 1994
D035	Mixed with radioactive wastes	September 19, 1996
D035	All others	December 19, 1994
D036	Mixed with radioactive wastes	September 19, 1996
D036	All others	December 19, 1994
D037	Mixed with radioactive wastes	September 19, 1996
D037	All others	December 19, 1994
D038	Mixed with radioactive wastes	September 19, 1996
D038	All others	December 19, 1994
D039	Mixed with radioactive wastes	September 19, 1996
D039	All others	December 19, 1994
D040	Mixed with radioactive wastes	September 19, 1996
D040	All others	December 19, 1994
D041	Mixed with radioactive wastes	September 19, 1996
D041	All others	December 19, 1994
D042	Mixed with radioactive wastes	September 19, 1996
D042	All others	December 19, 1994
D043	Mixed with radioactive wastes	September 19, 1996
D043	All others	December 19, 1994

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F001	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F001	All others	November 8, 1986
F002	Wastewater and Nonwastewater	August 8, 1990
(1,1,2-trichloroethane)		
F002	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F002	All others	November 8, 1986
F003	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F003	All others	November 8, 1986
F004	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F004	All others	November 8, 1986
F005 (benzene, 2-ethoxy ethanol, 2-nitropropane)	Wastewater and Nonwastewater	August 8, 1990
F005	Small quantity generators, CERCLA response/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids	November 8, 1988
F005	All others	November 8, 1986
F006	Wastewater	August 8, 1990
F006	Nonwastewater	August 8, 1988
F006 (cyanides)	Nonwastewater	July 8, 1989
F007	All	July 8, 1989
F008	All	July 8, 1989
F009	All	July 8, 1989
F010	All	June 8, 1989
F011 (cyanides)	Nonwastewater	December 8, 1989
F011	All others	July 8, 1989
F012 (cyanides)	Nonwastewater	December 8, 1989
F012	All others	July 8, 1989
F019	All	August 8, 1990
F020	All	November 8, 1988

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F021	All	November 8, 1988
F025	All	August 8, 1990
F026	All	November 8, 1988
F027	All	November 8, 1988
F028	All	November 8, 1988
F032	Mixed with radioactive wastes	May 12, 1999
F032	All others	August 12, 1997
F034	Mixed with radioactive wastes	May 12, 1999
F034	All others	August 12, 1997
F035	Mixed with radioactive wastes	May 12, 1999
F035	All others	August 12, 1997
F037	Not generated from surface impoundment cleanouts or closures	June 30, 1993
F037	Generated from surface impoundment cleanouts or closures	June 30, 1994
F037	Mixed with radioactive wastes	June 30, 1994
F038	Not generated from surface impoundment cleanouts or closures	June 30, 1993
F038	Generated from surface impoundment cleanouts or closures	June 30, 1994
F038	Mixed with radioactive wastes	June 30, 1994
F039	Wastewater	August 8, 1990
F039	Nonwastewater	May 8, 1992
K001 (organics) <sup>b</sup>	All	August 8, 1988
K001	All others	August 8, 1988
K002	All	August 8, 1990
K003	All	August 8, 1990
K004	Wastewater	August 8, 1990
K004	Nonwastewater	August 8, 1988
K005	Wastewater	August 8, 1990
K005	Nonwastewater	June 8, 1989
K006	All	August 8, 1990
K007	Wastewater	August 8, 1990
K007	Nonwastewater	June 8, 1989
K008	Wastewater	August 8, 1990
K008	Nonwastewater	August 8, 1988
K009	All	June 8, 1989
K010	All	June 8, 1989

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K011	Wastewater	August 8, 1990
K011	Nonwastewater	June 8, 1989
K013	Wastewater	August 8, 1990
K013	Nonwastewater	June 8, 1989
K014	Wastewater	August 8, 1990
K014	Nonwastewater	June 8, 1989
K015	Wastewater	August 8, 1988
K015	Nonwastewater	August 8, 1990
K016	All	August 8, 1988
K017	All	August 8, 1990
K018	All	August 8, 1988
K019	All	August 8, 1988
K020	All	August 8, 1988
K021	Wastewater	August 8, 1990
K021	Nonwastewater	August 8, 1988
K022	Wastewater	August 8, 1990
K022	Nonwastewater	August 8, 1988
K023	All	June 8, 1989
K024	All	August 8, 1988
K025	Wastewater	August 8, 1990
K025	Nonwastewater	August 8, 1988
K026	All	August 8, 1990
K027	All	June 8, 1989
K028 (metals)	Nonwastewater	August 8, 1990
K028	All others	June 8, 1989
K029	Wastewater	August 8, 1990
K029	Nonwastewater	June 8, 1989
K030	All	August 8, 1988
K031	Wastewater	August 8, 1990
K031	Nonwastewater	May 8, 1992
K032	All	August 8, 1990
K033	All	August 8, 1990
K034	All	August 8, 1990
K035	All	August 8, 1990
K036	Wastewater	June 8, 1989
K036	Nonwastewater	August 8, 1988
K037 <sup>b</sup>	Wastewater	August 8, 1988
K037	Nonwastewater	August 8, 1988

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K038	All	June 8, 1989
K039	All	June 8, 1989
K040	All	June 8, 1989
K041	All	August 8, 1990
K042	All	August 8, 1990
K043	All	June 8, 1989
K044	All	August 8, 1988
K045	All	August 8, 1988
K046 (Nonreactive)	Nonwastewater	August 8, 1988
K046	All others	August 8, 1990
K047	All	August 8, 1988
K048	Wastewater	August 8, 1990
K048	Nonwastewater	November 8, 1990
K049	Wastewater	August 8, 1990
K049	Nonwastewater	November 8, 1990
K050	Wastewater	August 8, 1990
K050	Nonwastewater	November 8, 1990
K051	Wastewater	August 8, 1990
K051	Nonwastewater	November 8, 1990
K052	Wastewater	August 8, 1990
K052	Nonwastewater	November 8, 1990
K060	Wastewater	August 8, 1990
K060	Nonwastewater	August 8, 1988
K061	Wastewater	August 8, 1990
K061	Nonwastewater	June 30, 1992
K062	All	August 8, 1988
K069 (non-calcium sulfate)	Nonwastewater	August 8, 1988
K069	All others	August 8, 1990
K071	All	August 8, 1990
K073	All	August 8, 1990
K083	All	August 8, 1990
K084	Wastewater	August 8, 1990
K084	Nonwastewater	May 8, 1992
K085	All	August 8, 1990
K086 (organics) <sup>b</sup>	All	August 8, 1988
K086	All others	August 8, 1988
K087	All	August 8, 1988

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K088	Mixed with radioactive wastes	April 8, 1998
K088	All others	October 8, 1997
K088	All others	January 8, 1997
K093	All	June 8, 1989
K094	All	June 8, 1989
K095	Wastewater	August 8, 1990
K095	Nonwastewater	June 8, 1989
K096	Wastewater	August 8, 1990
K096	Nonwastewater	June 8, 1989
K097	All	August 8, 1990
K098	All	August 8, 1990
K099	All	August 8, 1988
K100	Wastewater	August 8, 1990
K100	Nonwastewater	August 8, 1988
K101 (organics)	Wastewater	August 8, 1988
K101 (metals)	Wastewater	August 8, 1990
K101 (organics)	Nonwastewater	August 8, 1988
K101 (metals)	Nonwastewater	May 8, 1992
K102 (organics)	Wastewater	August 8, 1988
K102 (metals)	Wastewater	August 8, 1990
K102 (organics)	Nonwastewater	August 8, 1988
K102 (metals)	Nonwastewater	May 8, 1992
K103	All	August 8, 1988
K104	All	August 8, 1988
K105	All	August 8, 1990
K106	Wastewater	August 8, 1990
K106	Nonwastewater	May 8, 1992
K107	Mixed with radioactive wastes	June 30, 1994
K107	All others	November 9, 1992
K108	Mixed with radioactive wastes	June 30, 1994
K108	All others	November 9, 1992
K109	Mixed with radioactive wastes	June 30, 1994
K109	All others	November 9, 1992
K110	Mixed with radioactive wastes	June 30, 1994
K110	All others	November 9, 1992
K111	Mixed with radioactive wastes	June 30, 1994
K111	All others	November 9, 1992
K112	Mixed with radioactive wastes	June 30, 1994

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K112	All others	November 9, 1992
K113	All	June 8, 1989
K114	All	June 8, 1989
K115	All	June 8, 1989
K116	All	June 8, 1989
K117	Mixed with radioactive wastes	June 30, 1994
K117	All others	November 9, 1992
K118	Mixed with radioactive wastes	June 30, 1994
K118	All others	November 9, 1992
K123	Mixed with radioactive wastes	June 30, 1994
K123	All others	November 9, 1992
K124	Mixed with radioactive wastes	June 30, 1994
K124	All others	November 9, 1992
K125	Mixed with radioactive wastes	June 30, 1994
K125	All others	November 9, 1992
K126	Mixed with radioactive wastes	June 30, 1994
K126	All others	November 9, 1992
K131	Mixed with radioactive wastes	June 30, 1994
K131	All others	November 9, 1992
K132	Mixed with radioactive wastes	June 30, 1994
K132	All others	November 9, 1992
K136	Mixed with radioactive wastes	June 30, 1994
K136	All others	November 9, 1992
K141	Mixed with radioactive wastes	September 19, 1996
K141	All others	December 19, 1994
K142	Mixed with radioactive wastes	September 19, 1996
K142	All others	December 19, 1994
K143	Mixed with radioactive wastes	September 19, 1996
K143	All others	December 19, 1994
K144	Mixed with radioactive wastes	September 19, 1996
K144	All others	December 19, 1994
K145	Mixed with radioactive wastes	September 19, 1996
K145	All others	December 19, 1994
K147	Mixed with radioactive wastes	September 19, 1996
K147	All others	December 19, 1994
K148	Mixed with radioactive wastes	September 19, 1996
K148	All others	December 19, 1994
K149	Mixed with radioactive wastes	September 19, 1996

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K149	All others	December 19, 1994
K150	Mixed with radioactive wastes	September 19, 1996
K150	All others	December 19, 1994
K151	Mixed with radioactive wastes	September 19, 1996
K151	All others	December 19, 1994
K156	Mixed with radioactive wastes	April 8, 1998
K156	All others	July 8, 1996
K157	Mixed with radioactive wastes	April 8, 1998
K157	All others	July 8, 1996
K158	Mixed with radioactive wastes	April 8, 1998
K158	All others	July 8, 1996
K159	Mixed with radioactive wastes	April 8, 1998
K159	All others	July 8, 1996
K160	Mixed with radioactive wastes	April 8, 1998
K160	All others	July 8, 1996
K161	Mixed with radioactive wastes	April 8, 1998
K161	All others	July 8, 1996
K169	All	February 8, 1999
K170	All	February 8, 1999
K171	All	February 8, 1999
K172	All	February 8, 1999
K174	All	May 7, 2001
K175	All	May 7, 2001
K176	All	May 20, 2002
K177	All	May 20, 2002
K178	All	May 20, 2002
K181	All	August 23, 2005
P001	All	August 8, 1990
P002	All	August 8, 1990
P003	All	August 8, 1990
P004	All	August 8, 1990
P005	All	August 8, 1990
P006	All	August 8, 1990
P007	All	August 8, 1990
P008	All	August 8, 1990
P009	All	August 8, 1990
P010	Wastewater	August 8, 1990
P010	Nonwastewater	May 8, 1992

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P011	Wastewater	August 8, 1990
P011	Nonwastewater	May 8, 1992
P012	Wastewater	August 8, 1990
P012	Nonwastewater	May 8, 1992
P013 (barium)	Nonwastewater	August 8, 1990
P013	All others	June 8, 1989
P014	All	August 8, 1990
P015	All	August 8, 1990
P016	All	August 8, 1990
P017	All	August 8, 1990
P018	All	August 8, 1990
P020	All	August 8, 1990
P021	All	June 8, 1989
P022	All	August 8, 1990
P023	All	August 8, 1990
P024	All	August 8, 1990
P026	All	August 8, 1990
P027	All	August 8, 1990
P028	All	August 8, 1990
P029	All	June 8, 1989
P030	All	June 8, 1989
P031	All	August 8, 1990
P033	All	August 8, 1990
P034	All	August 8, 1990
P036	Wastewater	August 8, 1990
P036	Nonwastewater	May 8, 1992
P037	All	August 8, 1990
P038	Wastewater	August 8, 1990
P038	Nonwastewater	May 8, 1992
P039	All	June 8, 1989
P040	All	June 8, 1989
P041	All	June 8, 1989
P042	All	August 8, 1990
P043	All	June 8, 1989
P044	All	June 8, 1989
P045	All	August 8, 1990
P046	All	August 8, 1990
P047	All	August 8, 1990

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P048	All	August 8, 1990
P049	All	August 8, 1990
P050	All	August 8, 1990
P051	All	August 8, 1990
P054	All	August 8, 1990
P056	All	August 8, 1990
P057	All	August 8, 1990
P058	All	August 8, 1990
P059	All	August 8, 1990
P060	All	August 8, 1990
P062	All	June 8, 1989
P063	All	June 8, 1989
P064	All	August 8, 1990
P065	Wastewater	August 8, 1990
P065	Nonwastewater	May 8, 1992
P066	All	August 8, 1990
P067	All	August 8, 1990
P068	All	August 8, 1990
P069	All	August 8, 1990
P070	All	August 8, 1990
P071	All	June 8, 1989
P072	All	August 8, 1990
P073	All	August 8, 1990
P074	All	June 8, 1989
P075	All	August 8, 1990
P076	All	August 8, 1990
P077	All	August 8, 1990
P078	All	August 8, 1990
P081	All	August 8, 1990
P082	All	August 8, 1990
P084	All	August 8, 1990
P085	All	June 8, 1989
P087	All	May 8, 1992
P088	All	August 8, 1990
P089	All	June 8, 1989
P092	Wastewater	August 8, 1990
P092	Nonwastewater	May 8, 1992
P093	All	August 8, 1990

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P094	All	June 8, 1989
P095	All	August 8, 1990
P096	All	August 8, 1990
P097	All	June 8, 1989
P098	All	June 8, 1989
P099 (silver)	Wastewater	August 8, 1990
P099	All others	June 8, 1989
P101	All	August 8, 1990
P102	All	August 8, 1990
P103	All	August 8, 1990
P104 (silver)	Wastewater	August 8, 1990
P104	All others	June 8, 1989
P105	All	August 8, 1990
P106	All	June 8, 1989
P108	All	August 8, 1990
P109	All	June 8, 1989
P110	All	August 8, 1990
P111	All	June 8, 1989
P112	All	August 8, 1990
P113	All	August 8, 1990
P114	All	August 8, 1990
P115	All	August 8, 1990
P116	All	August 8, 1990
P118	All	August 8, 1990
P119	All	August 8, 1990
P120	All	August 8, 1990
P121	All	June 8, 1989
P122	All	August 8, 1990
P123	All	August 8, 1990
P127	Mixed with radioactive wastes	April 8, 1998
P127	All others	July 8, 1996
P128	Mixed with radioactive wastes	April 8, 1998
P128	All others	July 8, 1996
P185	Mixed with radioactive wastes	April 8, 1998
P185	All others	July 8, 1996
P188	Mixed with radioactive wastes	April 8, 1998
P188	All others	July 8, 1996
P189	Mixed with radioactive wastes	April 8, 1998

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P189	All others	July 8, 1996
P190	Mixed with radioactive wastes	April 8, 1998
P190	All others	July 8, 1996
P191	Mixed with radioactive wastes	April 8, 1998
P191	All others	July 8, 1996
P192	Mixed with radioactive wastes	April 8, 1998
P192	All others	July 8, 1996
P194	Mixed with radioactive wastes	April 8, 1998
P194	All others	July 8, 1996
P196	Mixed with radioactive wastes	April 8, 1998
P196	All others	July 8, 1996
P197	Mixed with radioactive wastes	April 8, 1998
P197	All others	July 8, 1996
P198	Mixed with radioactive wastes	April 8, 1998
P198	All others	July 8, 1996
P199	Mixed with radioactive wastes	April 8, 1998
P199	All others	July 8, 1996
P201	Mixed with radioactive wastes	April 8, 1998
P201	All others	July 8, 1996
P202	Mixed with radioactive wastes	April 8, 1998
P202	All others	July 8, 1996
P203	Mixed with radioactive wastes	April 8, 1998
P203	All others	July 8, 1996
P204	Mixed with radioactive wastes	April 8, 1998
P204	All others	July 8, 1996
P205	Mixed with radioactive wastes	April 8, 1998
P205	All others	July 8, 1996
U001	All	August 8, 1990
U002	All	August 8, 1990
U003	All	August 8, 1990
U004	All	August 8, 1990
U005	All	August 8, 1990
U006	All	August 8, 1990
U007	All	August 8, 1990
U008	All	August 8, 1990
U009	All	August 8, 1990
U010	All	August 8, 1990
U011	All	August 8, 1990

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U012	All	August 8, 1990
U014	All	August 8, 1990
U015	All	August 8, 1990
U016	All	August 8, 1990
U017	All	August 8, 1990
U018	All	August 8, 1990
U019	All	August 8, 1990
U020	All	August 8, 1990
U021	All	August 8, 1990
U022	All	August 8, 1990
U023	All	August 8, 1990
U024	All	August 8, 1990
U025	All	August 8, 1990
U026	All	August 8, 1990
U027	All	August 8, 1990
U028	All	June 8, 1989
U029	All	August 8, 1990
U030	All	August 8, 1990
U031	All	August 8, 1990
U032	All	August 8, 1990
U033	All	August 8, 1990
U034	All	August 8, 1990
U035	All	August 8, 1990
U036	All	August 8, 1990
U037	All	August 8, 1990
U038	All	August 8, 1990
U039	All	August 8, 1990
U041	All	August 8, 1990
U042	All	August 8, 1990
U043	All	August 8, 1990
U044	All	August 8, 1990
U045	All	August 8, 1990
U046	All	August 8, 1990
U047	All	August 8, 1990
U048	All	August 8, 1990
U049	All	August 8, 1990
U050	All	August 8, 1990
U051	All	August 8, 1990

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U052	All	August 8, 1990
U053	All	August 8, 1990
U055	All	August 8, 1990
U056	All	August 8, 1990
U057	All	August 8, 1990
U058	All	June 8, 1989
U059	All	August 8, 1990
U060	All	August 8, 1990
U061	All	August 8, 1990
U062	All	August 8, 1990
U063	All	August 8, 1990
U064	All	August 8, 1990
U066	All	August 8, 1990
U067	All	August 8, 1990
U068	All	August 8, 1990
U069	All	June 30, 1992
U070	All	August 8, 1990
U071	All	August 8, 1990
U072	All	August 8, 1990
U073	All	August 8, 1990
U074	All	August 8, 1990
U075	All	August 8, 1990
U076	All	August 8, 1990
U077	All	August 8, 1990
U078	All	August 8, 1990
U079	All	August 8, 1990
U080	All	August 8, 1990
U081	All	August 8, 1990
U082	All	August 8, 1990
U083	All	August 8, 1990
U084	All	August 8, 1990
U085	All	August 8, 1990
U086	All	August 8, 1990
U087	All	June 8, 1989
U088	All	June 8, 1989
U089	All	August 8, 1990
U090	All	August 8, 1990
U091	All	August 8, 1990

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U092	All	August 8, 1990
U093	All	August 8, 1990
U094	All	August 8, 1990
U095	All	August 8, 1990
U096	All	August 8, 1990
U097	All	August 8, 1990
U098	All	August 8, 1990
U099	All	August 8, 1990
U101	All	August 8, 1990
U102	All	June 8, 1989
U103	All	August 8, 1990
U105	All	August 8, 1990
U106	All	August 8, 1990
U107	All	June 8, 1989
U108	All	August 8, 1990
U109	All	August 8, 1990
U110	All	August 8, 1990
U111	All	August 8, 1990
U112	All	August 8, 1990
U113	All	August 8, 1990
U114	All	August 8, 1990
U115	All	August 8, 1990
U116	All	August 8, 1990
U117	All	August 8, 1990
U118	All	August 8, 1990
U119	All	August 8, 1990
U120	All	August 8, 1990
U121	All	August 8, 1990
U122	All	August 8, 1990
U123	All	August 8, 1990
U124	All	August 8, 1990
U125	All	August 8, 1990
U126	All	August 8, 1990
U127	All	August 8, 1990
U128	All	August 8, 1990
U129	All	August 8, 1990
U130	All	August 8, 1990
U131	All	August 8, 1990

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U132	All	August 8, 1990
U133	All	August 8, 1990
U134	All	August 8, 1990
U135	All	August 8, 1990
U136	Wastewater	August 8, 1990
U136	Nonwastewater	May 8, 1992
U137	All	August 8, 1990
U138	All	August 8, 1990
U140	All	August 8, 1990
U141	All	August 8, 1990
U142	All	August 8, 1990
U143	All	August 8, 1990
U144	All	August 8, 1990
U145	All	August 8, 1990
U146	All	August 8, 1990
U147	All	August 8, 1990
U148	All	August 8, 1990
U149	All	August 8, 1990
U150	All	August 8, 1990
U151	Wastewater	August 8, 1990
U151	Nonwastewater	May 8, 1992
U152	All	August 8, 1990
U153	All	August 8, 1990
U154	All	August 8, 1990
U155	All	August 8, 1990
U156	All	August 8, 1990
U157	All	August 8, 1990
U158	All	August 8, 1990
U159	All	August 8, 1990
U160	All	August 8, 1990
U161	All	August 8, 1990
U162	All	August 8, 1990
U163	All	August 8, 1990
U164	All	August 8, 1990
U165	All	August 8, 1990
U166	All	August 8, 1990
U167	All	August 8, 1990
U168	All	August 8, 1990

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U169	All	August 8, 1990
U170	All	August 8, 1990
U171	All	August 8, 1990
U172	All	August 8, 1990
U173	All	August 8, 1990
U174	All	August 8, 1990
U176	All	August 8, 1990
U177	All	August 8, 1990
U178	All	August 8, 1990
U179	All	August 8, 1990
U180	All	August 8, 1990
U181	All	August 8, 1990
U182	All	August 8, 1990
U183	All	August 8, 1990
U184	All	August 8, 1990
U185	All	August 8, 1990
U186	All	August 8, 1990
U187	All	August 8, 1990
U188	All	August 8, 1990
U189	All	August 8, 1990
U190	All	June 8, 1989
U191	All	August 8, 1990
U192	All	August 8, 1990
U193	All	August 8, 1990
U194	All	June 8, 1989
U196	All	August 8, 1990
U197	All	August 8, 1990
U200	All	August 8, 1990
U201	All	August 8, 1990
U203	All	August 8, 1990
U204	All	August 8, 1990
U205	All	August 8, 1990
U206	All	August 8, 1990
U207	All	August 8, 1990
U208	All	August 8, 1990
U209	All	August 8, 1990
U210	All	August 8, 1990
U211	All	August 8, 1990

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U213	All	August 8, 1990
U214	All	August 8, 1990
U215	All	August 8, 1990
U216	All	August 8, 1990
U217	All	August 8, 1990
U218	All	August 8, 1990
U219	All	August 8, 1990
U220	All	August 8, 1990
U221	All	June 8, 1989
U222	All	August 8, 1990
U223	All	June 8, 1989
U225	All	August 8, 1990
U226	All	August 8, 1990
U227	All	August 8, 1990
U228	All	August 8, 1990
U234	All	August 8, 1990
U235	All	June 8, 1989
U236	All	August 8, 1990
U237	All	August 8, 1990
U238	All	August 8, 1990
U239	All	August 8, 1990
U240	All	August 8, 1990
U243	All	August 8, 1990
U244	All	August 8, 1990
U246	All	August 8, 1990
U247	All	August 8, 1990
U248	All	August 8, 1990
U249	All	August 8, 1990
U271	Mixed with radioactive wastes	April 8, 1998
U271	All others	July 8, 1996
U277	Mixed with radioactive wastes	April 8, 1998
U277	All others	July 8, 1996
U278	Mixed with radioactive wastes	April 8, 1998
U278	All others	July 8, 1996
U279	Mixed with radioactive wastes	April 8, 1998
U279	All others	July 8, 1996
U280	Mixed with radioactive wastes	April 8, 1998
U280	All others	July 8, 1996

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U328	Mixed with radioactive wastes	June 30, 1994
U328	All others	November 9, 1992
U353	Mixed with radioactive wastes	June 30, 1994
U353	All others	November 9, 1992
U359	Mixed with radioactive wastes	June 30, 1994
U359	All others	November 9, 1992
U364	Mixed with radioactive wastes	April 8, 1998
U364	All others	July 8, 1996
U365	Mixed with radioactive wastes	April 8, 1998
U365	All others	July 8, 1996
U366	Mixed with radioactive wastes	April 8, 1998
U366	All others	July 8, 1996
U367	Mixed with radioactive wastes	April 8, 1998
U367	All others	July 8, 1996
U372	Mixed with radioactive wastes	April 8, 1998
U372	All others	July 8, 1996
U373	Mixed with radioactive wastes	April 8, 1998
U373	All others	July 8, 1996
U375	Mixed with radioactive wastes	April 8, 1998
U375	All others	July 8, 1996
U376	Mixed with radioactive wastes	April 8, 1998
U376	All others	July 8, 1996
U377	Mixed with radioactive wastes	April 8, 1998
U377	All others	July 8, 1996
U378	Mixed with radioactive wastes	April 8, 1998
U378	All others	July 8, 1996
U379	Mixed with radioactive wastes	April 8, 1998
U379	All others	July 8, 1996
U381	Mixed with radioactive wastes	April 8, 1998
U381	All others	July 8, 1996
U382	Mixed with radioactive wastes	April 8, 1998
U382	All others	July 8, 1996
U383	Mixed with radioactive wastes	April 8, 1998
U383	All others	July 8, 1996
U384	Mixed with radioactive wastes	April 8, 1998
U384	All others	July 8, 1996
U385	Mixed with radioactive wastes	April 8, 1998
U385	All others	July 8, 1996

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U386	Mixed with radioactive wastes	April 8, 1998
U386	All others	July 8, 1996
U387	Mixed with radioactive wastes	April 8, 1998
U387	All others	July 8, 1996
U389	Mixed with radioactive wastes	April 8, 1998
U389	All others	July 8, 1996
U390	Mixed with radioactive wastes	April 8, 1998
U390	All others	July 8, 1996
U391	Mixed with radioactive wastes	April 8, 1998
U391	All others	July 8, 1996
U392	Mixed with radioactive wastes	April 8, 1998
U392	All others	July 8, 1996
U393	Mixed with radioactive wastes	April 8, 1998
U393	All others	July 8, 1996
U394	Mixed with radioactive wastes	April 8, 1998
U394	All others	July 8, 1996
U395	Mixed with radioactive wastes	April 8, 1998
U395	All others	July 8, 1996
U396	Mixed with radioactive wastes	April 8, 1998
U396	All others	July 8, 1996
U400	Mixed with radioactive wastes	April 8, 1998
U400	All others	July 8, 1996
U401	Mixed with radioactive wastes	April 8, 1998
U401	All others	July 8, 1996
U402	Mixed with radioactive wastes	April 8, 1998
U402	All others	July 8, 1996
U403	Mixed with radioactive wastes	April 8, 1998
U403	All others	July 8, 1996
U404	Mixed with radioactive wastes	April 8, 1998
U404	All others	July 8, 1996
U407	Mixed with radioactive wastes	April 8, 1998
U407	All others	July 8, 1996
U409	Mixed with radioactive wastes	April 8, 1998
U409	All others	July 8, 1996
U410	Mixed with radioactive wastes	April 8, 1998
U410	All others	July 8, 1996
U411	Mixed with radioactive wastes	April 8, 1998
U411	All others	July 8, 1996

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- <sup>a</sup> This table also does not include contaminated soil and debris wastes.
- <sup>b</sup> The standard was revised in the Third Third Final Rule (adopted by USEPA at 55 Fed. Reg. 22520 (June 1, 1990), which the Board adopted in docket R90-11 at 15 Ill. Reg. 9462, effective June 17, 1991).
- <sup>c</sup> USEPA amended the standard in the Third Third Emergency Rule (at 58 Fed. Reg. 29860 (May 24, 1993), which the Board adopted in docket R93-16 at 18 Ill. Reg. 6799, effective April 26, 1994); the original effective date was August 8, 1990.
- <sup>d</sup> The standard was revised in the Phase II Final Rule (that USEPA adopted at 59 Fed. Reg. 47982 (September 19, 1994), which the Board adopted in docket R95-6 at 19 Ill. Reg. 9660, effective June 27, 1995); the original effective date was August 8, 1990.
- <sup>e</sup> The standards for selected reactive wastes was revised in the Phase III Final Rule (that USEPA adopted at 61 Fed. Reg. 15566 (April 8, 1996), which the Board adopted in docket R96-10/R97-3/R97-5 (consolidated) at 22 Ill. Reg. 783, effective December 16, 1997); the original effective date was August 8, 1990.

TABLE 2  
SUMMARY OF EFFECTIVE DATES OF LAND DISPOSAL RESTRICTIONS  
FOR CONTAMINATED SOIL AND DEBRIS (CSD)

Restricted hazardous waste in CSD	Effective date
1. Solvent- (F001-F005) and dioxin- (F020-F023 and F026-F028) containing soil and debris from CERCLA response or RCRA corrective actions.	November 8, 1990
2. Soil and debris not from CERCLA response or RCRA corrective actions contaminated with less than one percent total solvents (F001-F005) or dioxins (F020-F023 and F026-F028).	November 8, 1988
3. All soil and debris contaminated with First Third wastes for which treatment standards are based on incineration.	August 8, 1990
4. All soil and debris contaminated with Second Third wastes for which treatment standards are based on incineration.	June 8, 1991
5. All soil and debris contaminated with Third Third wastes or, First or Second Third "soft hammer" wastes that had treatment standards promulgated in the Third Third rule, for which treatment standards are based on incineration, vitrification, or mercury retorting, acid leaching followed by chemical	May 8, 1992

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- precipitation, or thermal recovery of metals, as well as all inorganic solids debris contaminated with D004-D011 wastes, and all soil and debris contaminated with mixed RCRA/radioactive wastes.
- |   |                   |
|---|-------------------|
| 6. Soil and debris contaminated with D012-D043, K141-K145, and K147-151 wastes.   | December 19, 1994 |
| 7. Debris (only) contaminated with F037, F038, K107-K112, K117, K118, K123-K126, K131, K132, K136, U328, U353, U359.  | December 19, 1994 |
| 8. Soil and debris contaminated with K156- K161, P127, P128, P188-P192, P194, P196- P199, P201-P205, U271, U277-U280, U364-U367, U372, U373, U375-U379, U381-U387, U389-U396, U400-U404, U407, and U409-U411 wastes.                                    | July 8, 1996      |
| 9. Soil and debris contaminated with K088 wastes.   | October 8, 1997   |
| 10. Soil and debris contaminated with radioactive wastes mixed with K088, K156-K161, P127, P128, P188-P192, P194, P196-P199, P201-P205, U271, U277-U280, U364-U367, U372, U373, U375-U379, U381-U387, U389-U396, U400-U404, U407, and U409-U411 wastes. | April 8, 1998     |
| 11. Soil and debris contaminated with F032, F034, and F035.   | May 12, 1997      |
| 12. Soil and debris contaminated with newly identified D004-D011 toxicity characteristic wastes and mineral processing wastes.  | August 24, 1998   |
| 13. Soil and debris contaminated with mixed radioactive newly identified D011 characteristic wastes and mineral processing wastes.  | May 26, 2000      |

BOARD NOTE: These tables are provided for the convenience of the reader.

(Source: Amended at 40 Ill. Reg. ———, effective ———)

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**Section 728. ~~Table C-728.~~ TABLE C Technology Codes and Description of Technology-Based Standards**

Technology Code	Description of Technology-Based Standard
ADGAS	Venting of compressed gases into an absorbing or reacting media (i.e., solid or liquid) — <u>u</u> venting can be accomplished through physical release utilizing valves or piping; physical penetration of the container; or penetration through detonation.
AMLGM	Amalgamation of liquid, elemental mercury contaminated with radioactive materials utilizing inorganic reagents such as copper, zinc, nickel, gold, and sulfur that result in a nonliquid, semi-solid amalgam and thereby reducing potential emissions of elemental mercury vapors to the air.
BIODG	Biodegradation of organics or non-metallic inorganics (i.e., degradable inorganics that contain the elements of phosphorus, nitrogen, and sulfur) in units operated under either aerobic or anaerobic conditions such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the biodegradation of many organic constituents that cannot be directly analyzed in wastewater residues).
CARBN	Carbon adsorption (granulated or powdered) of non-metallic inorganics, organo-metallics, or organic constituents, operated so that a surrogate compound or indicator parameter has not undergone breakthrough (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the adsorption of many organic constituents that cannot be directly analyzed in wastewater residues). Breakthrough occurs when the carbon has become saturated with the constituent (or indicator parameter) and substantial change in adsorption rate associated with that constituent occurs.
CHOXD	Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations or reagents: <ol style="list-style-type: none"><li>1) hypochlorite (e.g., bleach);</li><li>2) chlorine;</li></ol>

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- 3) chlorine dioxide;
- 4) ozone or UV (ultraviolet light) assisted ozone;
- 5) peroxides;
- 6) persulfates;
- 7) perchlorates;
- 8) permanganates; or
- 9) other oxidizing reagents of equivalent efficiency, performed in units operated so that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues). Chemical oxidation specifically includes what is commonly referred to as alkaline chlorination.

CHRED

Chemical reduction utilizing the following reducing reagents (or waste reagents) or combinations of reagents:

- 1) sulfur dioxide;
- 2) sodium, potassium, or alkali salts of sulfites, bisulfites, metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG);
- 3) sodium hydrosulfide;
- 4) ferrous salts; or
- 5) other reducing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., total organic halogens (TOX) can often be used as an indicator parameter for the reduction of many halogenated organic constituents that cannot be directly

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analyzed in wastewater residues). Chemical reduction is commonly used for the reduction of hexavalent chromium to the trivalent state.

- CMBST High temperature organic destruction technologies, such as combustion in incinerators, boilers, or industrial furnaces operated in accordance with the applicable requirements of Subpart O of 35 Ill. Adm. Code 724, Subpart O of 35 Ill. Adm. Code 725, or Subpart H of 35 Ill. Adm. Code 726, and in other units operated in accordance with applicable technical operating requirements; and certain non-combustive technologies, such as the Catalytic Extraction Process.
- DEACT Deactivation to remove the hazardous characteristics of a waste due to its ignitability, corrosivity, or reactivity.
- FSUBS Fuel substitution in units operated in accordance with applicable technical operating requirements.
- HLVIT Vitrification of high-level mixed radioactive wastes in units in compliance with all applicable radioactive protection requirements under control of the federal Nuclear Regulatory Commission.
- IMERC Incineration of wastes containing organics and mercury in units operated in accordance with the technical operating requirements of Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm. Code 725. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., high or low mercury subcategories).
- INCIN Incineration in units operated in accordance with the technical operating requirements of Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm. Code 725.
- LLEXT Liquid-liquid extraction (often referred to as solvent extraction) of organics from liquid wastes into an immiscible solvent for which the hazardous constituents have a greater solvent affinity, resulting in an extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery or reuse and a raffinate (extracted liquid waste) proportionately low in organics that must undergo further treatment as specified in the standard.

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MACRO	Macroencapsulation with surface coating materials such as polymeric organics (e.g., resins and plastics) or with a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media. Macroencapsulation specifically does not include any material that would be classified as a tank or container according to 35 Ill. Adm. Code 720.110.
NEUTR	Neutralization with the following reagents (or waste reagents) or combinations of reagents: <ol style="list-style-type: none"><li>1) acids;</li><li>2) bases; or</li><li>3) water (including wastewaters) resulting in a pH greater than two but less than 12.5 as measured in the aqueous residuals.</li></ol>
NLDBR	No land disposal based on recycling.
POLYM	Formation of complex high-molecular weight solids through polymerization of monomers in high-TOC D001 nonwastewaters that are chemical components in the manufacture of plastics.
PRECP	Chemical precipitation of metals and other inorganics as insoluble precipitates of oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, fluorides, or phosphates. The following reagents (or waste reagents) are typically used alone or in combination: <ol style="list-style-type: none"><li>1) lime (i.e., containing oxides or hydroxides of calcium or magnesium);</li><li>2) caustic (i.e., sodium or potassium hydroxides);</li><li>3) soda ash (i.e., sodium carbonate);</li><li>4) sodium sulfide;</li><li>5) ferric sulfate or ferric chloride;</li><li>6) alum; or</li></ol>

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- 7) sodium sulfate. Additional flocculating, coagulation, or similar reagents or processes that enhance sludge dewatering characteristics are not precluded from use.

RBERY Thermal recovery of beryllium.

RCGAS Recovery or reuse of compressed gases including techniques such as reprocessing of the gases for reuse or resale; filtering or adsorption of impurities; remixing for direct reuse or resale; and use of the gas as a fuel source.

RCORR Recovery of acids or bases utilizing one or more of the following recovery technologies:

- 1) distillation (i.e., thermal concentration);
- 2) ion exchange;
- 3) resin or solid adsorption;
- 4) reverse osmosis; or
- 5) incineration for the recovery of acid

Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.

RLEAD Thermal recovery of lead in secondary lead smelters.

RMERC Retorting or roasting in a thermal processing unit capable of volatilizing mercury and subsequently condensing the volatilized mercury for recovery. The retorting or roasting unit (or facility) must be subject to one or more of the following:

- a) A federal national emissions standard for hazardous air pollutants (NESHAP) for mercury (subpart E of 40 CFR 61);

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- b) A best available control technology (BACT) or a lowest achievable emission rate (LAER) standard for mercury imposed pursuant to a prevention of significant deterioration (PSD) permit (including 35 Ill. Adm. Code 201 through 203); or
- c) A state permit that establishes emission limitations (within meaning of Section 302 of the Clean Air Act) for mercury, including a permit issued pursuant to 35 Ill. Adm. Code 201. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., high or low mercury subcategories).

RMETL Recovery of metals or inorganics utilizing one or more of the following direct physical or removal technologies:

- 1) ion exchange;
- 2) resin or solid (i.e., zeolites) adsorption;
- 3) reverse osmosis;
- 4) chelation or solvent extraction;
- 5) freeze crystallization;
- 6) ultrafiltration; or
- 7) simple precipitation (i.e., crystallization)

Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.

RORGS Recovery of organics utilizing one or more of the following technologies:

- 1) Distillation;

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- 2) thin film evaporation;
- 3) steam stripping;
- 4) carbon adsorption;
- 5) critical fluid extraction;
- 6) liquid-liquid extraction;
- 7) precipitation or crystallization (including freeze crystallization); or
- 8) chemical phase separation techniques (i.e., addition of acids, bases, demulsifiers, or similar chemicals).

Note: This does not preclude the use of other physical phase separation techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.

RTHRM	Thermal recovery of metals or inorganics from nonwastewaters in units defined as cement kilns, blast furnaces, smelting, melting and refining furnaces, combustion devices used to recover sulfur values from spent sulfuric acid and <del>“other devices”</del> determined by the Agency pursuant to 35 Ill. Adm. Code 720.110, the definition of <del>“industrial furnace.”</del>
RZINC	Resmelting in high temperature metal recovery units for the purpose of recovery of zinc.
STABL	Stabilization with the following reagents (or waste reagents) or combinations of reagents: <ol style="list-style-type: none"><li>1) Portland cement; or</li><li>2) lime or pozzolans (e.g., fly ash and cement kiln dust)—<del>—</del>this does not preclude the addition of reagents (e.g., iron salts, silicates, and clays) designed to enhance the set or cure time or compressive strength, or to overall reduce the leachability of the metal or inorganic.</li></ol>

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SSTRP Steam stripping of organics from liquid wastes utilizing direct application of steam to the wastes operated such that liquid and vapor flow rates, as well as temperature and pressure ranges, have been optimized, monitored, and maintained. These operating parameters are dependent upon the design parameters of the unit, such as, the number of separation stages and the internal column design. Thus resulting in a condensed extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery or reuse and an extracted wastewater that must undergo further treatment as specified in the standard.

WETOX Wet air oxidation performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., total organic carbon (TOC) can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues).

WTRRX Controlled reaction with water for highly reactive inorganic or organic chemicals with precautionary controls for protection of workers from potential violent reactions as well as precautionary controls for potential emissions of toxic or ignitable levels of gases released during the reaction.

Note 1: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in Table T to this Part by indicating the five letter technology code that must be applied first, then the designation "fb." (an abbreviation for "followed by"), then the five letter technology code for the technology that must be applied next, and so on.

Note 2: When more than one technology (or treatment train) are specified as alternative treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "OR." This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard.

BOARD NOTE: Derived from Table II 1 in 40 CFR 268.42 (~~2007~~;  
(2015)(2007).

(Source: Amended at 40 Ill. Reg.     , effective                     )

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**Section 728.TABLE T Treatment Standards for Hazardous Wastes**

Note: The treatment standards that heretofore appeared in tables in Sections 728.141, 728.142, and 728.143 have been consolidated into this table.

Waste Code

Waste Description and Treatment or Regulatory Subcategory<sup>1</sup>

Regulated Hazardous Constituent		Wastewaters	Nonwastewaters
Common Name	CAS <sup>2</sup> Number	Concentration <sup>3</sup> in mg/l; or Technology Code <sup>4</sup>	Concentration <sup>5</sup> in mg/kg unless noted as " <u>mg/l TCLP</u> "; or Technology Code <sup>4</sup>

D001<sup>9</sup>

Ignitable Characteristic Wastes, except for the 35 Ill. Adm. Code 721.121(a)(1) High TOC Subcategory.

NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup> ; or RORGS; or CMBST	DEACT and meet Section 728.148 standards <sup>8</sup> ; or RORGS; or CMBST
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D001<sup>9</sup>

High TOC Ignitable Characteristic Liquids Subcategory based on 35 Ill. Adm. Code 721.121(a)(1) = Greater than or equal to 10 percent total organic carbon.

(Note: This subcategory consists of nonwastewaters only.)

NA	NA	NA	RORGS; CMBST; or POLYM
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D002<sup>9</sup>

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Corrosive Characteristic Wastes.

NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
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D002, D004, D005, D006, D007, D008, D009, D010, D011

Radioactive high level wastes generated during the reprocessing of fuel rods.

(Note: This subcategory consists of nonwastewaters only.)

Corrosivity (pH)	NA	NA	HLVIT
Arsenic	7440-38-2	NA	HLVIT
Barium	7440-39-3	NA	HLVIT
Cadmium	7440-43-9	NA	HLVIT
Chromium (Total)	7440-47-3	NA	HLVIT
Lead	7439-92-1	NA	HLVIT
Mercury	7439-97-6	NA	HLVIT
Selenium	7782-49-2	NA	HLVIT
Silver	7440-22-4	NA	HLVIT

D003<sup>9</sup>

Reactive Sulfides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).

NA	NA	DEACT	DEACT
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D003<sup>9</sup>

Explosive subcategory based on 35 Ill. Adm. Code 721.123(a)(6), (a)(7), and (a)(8).

NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
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D003<sup>9</sup>

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Unexploded ordnance and other explosive devices that have been the subject of an emergency response.

NA	NA	DEACT	DEACT
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D003<sup>9</sup>

Other Reactives Subcategory based on 35 Ill. Adm. Code 721.123(a)(1).

NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
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D003<sup>9</sup>

Water Reactive Subcategory based on 35 Ill. Adm. Code 721.123(a)(2), (a)(3), and (a)(4).

(Note: This subcategory consists of nonwastewaters only.)

NA	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>
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D003<sup>9</sup>

Reactive Cyanides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).

Cyanides (Total) <sup>7</sup>	57-12-5	<u>      </u>	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

D004<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in        Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,        USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

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Arsenic	7440-38-2	1.4 and meet Section 728.148 standards <sup>8</sup>	5.0 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
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D005<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for barium based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,<sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Barium	7440-39-3	1.2 and meet Section 728.148 standards <sup>8</sup>	21 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
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D006<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,<sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Cadmium	7440-43-9	0.69 and meet Section 728.148 standards <sup>8</sup>	0.11 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
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D006<sup>9</sup>

Cadmium-Containing Batteries Subcategory.

(Note: This subcategory consists of nonwastewaters only.)

Cadmium	7440-43-9	NA	RTHRM
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D006<sup>9</sup>

Radioactively contaminated cadmium-containing batteries.

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(Note: This subcategory consists of nonwastewaters only.)

Cadmium	7440-43-9	NA	Macroencapsulation in accordance with Section 728.145
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D007<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for chromium based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Chromium (Total)	7440-47-3	2.77 and meet Section 728.148 standards <sup>8</sup>	0.60 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
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D008<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Lead	7439-92-1	0.69 and meet Section 728.148 standards <sup>8</sup>	0.75 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
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D008<sup>9</sup>

Lead Acid Batteries Subcategory

(Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of this Part or exempted under other regulations (see 35 Ill. Adm. Code 726.180). This subcategory consists of nonwastewaters only.)

Lead	7439-92-1	NA	RLEAD
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D008<sup>9</sup>

Radioactive Lead Solids Subcategory

(Note: These lead solids include, but are not limited to, all forms of lead shielding and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and stabilized as ash. This subcategory consists of nonwastewaters only.)

Lead	7439-92-1	NA	MACRO
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D009<sup>9</sup>

Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>65</sup>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup>USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain greater than or equal to 260 mg/kg total mercury that also contain organics and are not incinerator residues. (High Mercury-Organic Subcategory)

Mercury	7439-97-6	NA	IMERC; or RMERC
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D009<sup>9</sup>

Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>65</sup>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup>USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain greater than or equal to 260 mg/kg total mercury that are inorganic, including incinerator residues and residues from RMERC. (High Mercury-Inorganic Subcategory)

Mercury	7439-97-6	NA	RMERC
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D009<sup>9</sup>

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Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less than 260 mg/kg total mercury. (Low Mercury Subcategory)

Mercury	7439-97-6	NA	0.20 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
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D009<sup>9</sup>

All other nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less than 260 mg/kg total mercury and that are not residues from RMERC. (Low Mercury Subcategory)

Mercury	7439-97-6	NA	0.025 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
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D009<sup>9</sup>

All D009 wastewaters.

Mercury	7439-97-6	0.15 and meet Section 728.148 standards <sup>8</sup>	NA
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D009<sup>9</sup>

Elemental mercury contaminated with radioactive materials.

(Note: This subcategory consists of nonwastewaters only.)

Mercury	7439-97-6	NA	AMLGM
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D009<sup>9</sup>

Hydraulic oil contaminated with Mercury Radioactive Materials Subcategory.

(Note: This subcategory consists of nonwastewaters only.)

Mercury	7439-97-6	NA	IMERC
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D009<sup>9</sup>

Radioactively contaminated mercury-containing batteries.

(Note: This subcategory consists of nonwastewaters only.)

Mercury	7439-97-6	NA	Macroencapsulation in accordance with Section 728.145
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D010<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for selenium based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Selenium	7782-49-2	0.82 and meet Section 728.148 standards <sup>8</sup>	5.7 mg/ℓ TCLP and meet Section 728.148 standards <sup>8</sup>
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D011<sup>9</sup>

Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for silver based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP
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and meet Section  
728.148 standards<sup>8</sup>

D011<sup>9</sup>

Radioactively contaminated silver-containing batteries.

(Note: This subcategory consists of nonwastewaters only.)

Silver	7440-22-4	NA	Macroencapsulation in accordance with Section 728.145
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D012<sup>9</sup>

Wastes that are TC for endrin based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 40 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Endrin	72-20-8	BIODG; or CMBST	0.13 and meet Section 728.148 standards <sup>8</sup>
Endrin aldehyde	7421-93-4	BIODG; or CMBST	0.13 and meet Section 728.148 standards <sup>8</sup>

D013<sup>9</sup>

Wastes that are TC for lindane based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 40 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

$\alpha$ -BHC	319-84-6	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>
$\beta$ -BHC	319-85-7	CARBN; or	0.066 and meet

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		CMBST	Section 728.148 standards <sup>8</sup>
δ-BHC	319-86-8	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>
γ-BHC (Lindane)	58-89-9	CARBN; or CMBST	0.066 and meet Section 728.148 standards <sup>8</sup>

D014<sup>9</sup>

Wastes that are TC for methoxychlor based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Methoxychlor	72-43-5	WETOX or CMBST	0.18 and meet Section 728.148 standards <sup>8</sup>
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D015<sup>9</sup>

Wastes that are TC for toxaphene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Toxaphene	8001-35-2	BIODG or CMBST	2.6 and meet Section 728.148 standards <sup>8</sup>
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D016<sup>9</sup>

Wastes that are TC for 2,4-D (2,4-dichlorophenoxyacetic acid) based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

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2,4-D (2,4-dichlorophenoxyacetic acid)	94-75-7	CHOXD; BIODG; or CMBST	10 and meet Section 728.148 standards <sup>8</sup>
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D017<sup>9</sup>

Wastes that are TC for 2,4,5-TP (Silvex) based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

2,4,5-TP (Silvex)	93-72-1	CHOXD or CMBST	7.9 and meet Section 728.148 standards <sup>8</sup>
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D018<sup>9</sup>

Wastes that are TC for benzene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Benzene	71-43-2	0.14 and meet Section 728.148 standards <sup>8</sup>	10 and meet Section 728.148 standards <sup>8</sup>
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D019<sup>9</sup>

Wastes that are TC for carbon tetrachloride based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Carbon tetrachloride	56-23-5	0.057 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D020<sup>9</sup>

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Wastes that are TC for chlordane based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Chlordane ( $\alpha$ and $\gamma$ isomers)	57-74-9	0.0033 and meet Section 728.148 standards <sup>8</sup>	0.26 and meet Section 728.148 standards <sup>8</sup>
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D021<sup>9</sup>

Wastes that are TC for chlorobenzene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Chlorobenzene	108-90-7	0.057 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D022<sup>9</sup>

Wastes that are TC for chloroform based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Chloroform	67-66-3	0.046 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D023<sup>9</sup>

Wastes that are TC for o-cresol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~§~~ Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, ~~§~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

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o-Cresol	95-48-7	0.11 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
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D024<sup>9</sup>

Wastes that are TC for m-cresol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~“~~Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,~~”~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
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D025<sup>9</sup>

Wastes that are TC for p-cresol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~“~~Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,~~”~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
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D026<sup>9</sup>

Wastes that are TC for cresols (total) based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in ~~“~~Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,~~”~~ USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Cresol-mixed isomers (Cresylic acid) (sum of o-, m-, and p-cresol concentrations)	1319-77-3	0.88 and meet Section 728.148 standards <sup>8</sup>	11.2 and meet Section 728.148 standards <sup>8</sup>
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D027<sup>9</sup>

Wastes that are TC for p-dichlorobenzene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

p-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	0.090 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D028<sup>9</sup>

Wastes that are TC for 1,2-dichloroethane based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

1,2-Dichloroethane	107-06-2	0.21 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D029<sup>9</sup>

Wastes that are TC for 1,1-dichloroethylene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

1,1-Dichloroethylene	75-35-4	0.025 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D030<sup>9</sup>

Wastes that are TC for 2,4-dinitrotoluene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical

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Methods, <sup>22</sup>" USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

2,4-Dinitrotoluene	121-14-2	0.32 and meet Section 728.148 standards <sup>8</sup>	140 and meet Section 728.148 standards <sup>8</sup>
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D031<sup>9</sup>

Wastes that are TC for heptachlor based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup>" Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup>" USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Heptachlor	76-44-8	0.0012 and meet Section 728.148 standards <sup>8</sup>	0.066 and meet Section 728.148 standards <sup>8</sup>
Heptachlor epoxide	1024-57-3	0.016 and meet Section 728.148 standards <sup>8</sup>	0.066 and meet Section 728.148 standards <sup>8</sup>

D032<sup>9</sup>

Wastes that are TC for hexachlorobenzene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup>" Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup>" USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Hexachlorobenzene	118-74-1	0.055 and meet Section 728.148 standards <sup>8</sup>	10 and meet Section 728.148 standards <sup>8</sup>
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D033<sup>9</sup>

Wastes that are TC for hexachlorobutadiene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup>" Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup>" USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

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Hexachlorobutadiene	87-68-3	0.055 and meet Section 728.148 standards <sup>8</sup>	5.6 and meet Section 728.148 standards <sup>8</sup>
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D034<sup>9</sup>

Wastes that are TC for hexachloroethane based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Hexachloroethane	67-72-1	0.055 and meet Section 728.148 standards <sup>8</sup>	30 and meet Section 728.148 standards <sup>8</sup>
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D035<sup>9</sup>

Wastes that are TC for methyl ethyl ketone based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Methyl ethyl ketone	78-93-3	0.28 and meet Section 728.148 standards <sup>8</sup>	36 and meet Section 728.148 standards <sup>8</sup>
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D036<sup>9</sup>

Wastes that are TC for nitrobenzene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in 66 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 22 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Nitrobenzene	98-95-3	0.068 and meet Section 728.148 standards <sup>8</sup>	14 and meet Section 728.148 standards <sup>8</sup>
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D037<sup>9</sup>

Wastes that are TC for pentachlorophenol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Pentachlorophenol	87-86-5	0.089 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
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D038<sup>9</sup>

Wastes that are TC for pyridine based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Pyridine	110-86-1	0.014 and meet Section 728.148 standards <sup>8</sup>	16 and meet Section 728.148 standards <sup>8</sup>
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D039<sup>9</sup>

Wastes that are TC for tetrachloroethylene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Tetrachloroethylene	127-18-4	0.056 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D040<sup>9</sup>

Wastes that are TC for trichloroethylene based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical

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Methods, <sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Trichloroethylene	79-01-6	0.054 and meet Section 728.148 standards <sup>8</sup>	6.0 and meet Section 728.148 standards <sup>8</sup>
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D041<sup>9</sup>

Wastes that are TC for 2,4,5-trichlorophenol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup> Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

2,4,5-Trichlorophenol	95-95-4	0.18 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
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D042<sup>9</sup>

Wastes that are TC for 2,4,6-trichlorophenol based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup> Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

2,4,6-Trichlorophenol	88-06-2	0.035 and meet Section 728.148 standards <sup>8</sup>	7.4 and meet Section 728.148 standards <sup>8</sup>
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D043<sup>9</sup>

Wastes that are TC for vinyl chloride based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in <sup>66</sup> Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, <sup>22</sup> USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).

Vinyl chloride	75-01-4	0.27 and meet Section 728.148	6.0 and meet Section 728.148
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F001, F002, F003, F004 & F005 standards<sup>8</sup> standards<sup>8</sup>

F001, F002, F003, F004, or F005 solvent wastes that contain any combination of one or more of the following spent solvents: acetone, benzene, n-butyl alcohol, carbon disulfide, carbon tetrachloride, chlorinated fluorocarbons, chlorobenzene, o-cresol, m-cresol, p-cresol, cyclohexanone, o-dichlorobenzene, 2-ethoxyethanol, ethyl acetate, ethyl benzene, ethyl ether, isobutyl alcohol, methanol, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone, nitrobenzene, 2-nitropropane, pyridine, tetrachloroethylene, toluene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethylene, trichloromonofluoromethane, or xylenes (except as specifically noted in other subcategories). See further details of these listings in 35 Ill. Adm. Code 721.131.

Acetone	67-64-1	0.28	160
Benzene	71-43-2	0.14	10
n-Butyl alcohol	71-36-3	5.6	2.6
Carbon disulfide	75-15-0	3.8	NA
Carbon tetrachloride	56-23-5	0.057	6.0
Chlorobenzene	108-90-7	0.057	6.0
o-Cresol	95-48-7	0.11	5.6
m-Cresol	108-39-4	0.77	5.6
(difficult to distinguish from p-cresol)			
p-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
Cresol-mixed isomers (Cresylic acid)	1319-77-3	0.88	11.2
(sum of o-, m-, and p-cresol concentrations)			
Cyclohexanone	108-94-1	0.36	NA
o-Dichlorobenzene	95-50-1	0.088	6.0
Ethyl acetate	141-78-6	0.34	33
Ethyl benzene	100-41-4	0.057	10
Ethyl ether	60-29-7	0.12	160
Isobutyl alcohol	78-83-1	5.6	170
Methanol	67-56-1	5.6	NA

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Methylene chloride	75-9-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33
Nitrobenzene	98-95-3	0.068	14
Pyridine	110-86-1	0.014	16
Tetrachloroethylene	127-18-4	0.056	6.0
Toluene	108-88-3	0.080	10
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
Trichloroethylene	79-01-6	0.054	6.0
Trichloromonofluoromethane	75-69-4	0.020	30
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30

F001, F002, F003, F004 & F005

F003 and F005 solvent wastes that contain any combination of one or more of the following three solvents as the only ~~listed~~[listed](#) F001 through F005 solvents: carbon disulfide, cyclohexanone, or methanol. (Formerly Section 728.141(c)).

Carbon disulfide	75-15-0	3.8	4.8 mg/l TCLP
Cyclohexanone	108-94-1	0.36	0.75 mg/l TCLP
Methanol	67-56-1	5.6	0.75 mg/l TCLP

F001, F002, F003, F004 & F005

F005 solvent waste containing 2-Nitropropane as the only listed F001 through F005 solvent.

2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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F001, F002, F003, F004 & F005

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F005 solvent waste containing 2-Ethoxyethanol as the only listed F001 through F005 solvent.

2-Ethoxyethanol	110-80-5	BIODG; or CMBST	CMBST
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F006

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 or stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.

Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

F007

Spent cyanide plating bath solutions from electroplating operations.

Cadmium	7440-43-9	NA	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

F008

Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.

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Cadmium	7440-43-9	NA	0.11 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
Silver	7440-22-4	NA	0.14 mg/ℓ TCLP

F009

Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.

Cadmium	7440-43-9	NA	0.11 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
Silver	7440-22-4	NA	0.14 mg/ℓ TCLP

F010

Quenching bath residues from oil baths from metal heat-treating operations where cyanides are used in the process.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA

F011

Spent cyanide solutions from salt bath pot cleaning from metal heat-treating operations.

Cadmium	7440-43-9	NA	0.11 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP

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Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

F012

Quenching wastewater treatment sludges from metal heat-treating operations where cyanides are used in the process.

Cadmium	7440-43-9	NA	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

F019

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.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

F020, F021, F022, F023, F026

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: (1) tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives, excluding wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol (i.e., F020); (2) pentachlorophenol, or of intermediates used to produce its derivatives (i.e., F021); (3) tetra-, penta-, or hexachlorobenzenes under alkaline conditions (i.e., F022) and 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: (1) tri- or tetrachlorophenols, excluding wastes from equipment used only for the production

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of Hexachlorophene from highly purified 2,4,5-trichlorophenol (F023) or (2) tetra-, penta-, or hexachlorobenzenes under alkaline conditions (i.e., F026).

HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
Pentachlorophenol	87-86-5	0.089	7.4
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

F024

Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out 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 35 Ill. Adm. Code 721.131 or 721.132.)

All F024 wastes	NA	CMBST <sup>11</sup>	CMBST <sup>11</sup>
2-Chloro-1,3-butadiene	126-99-8	0.057	0.28
3-Chloropropylene	107-05-1	0.036	30
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,2-Dichloropropane	78-87-5	0.85	18
cis-1,3-Dichloropropylene	10061-01-5	0.036	18
trans-1,3-Dichloropropylene	10061-02-6	0.036	18
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28

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Hexachloroethane	67-72-1	0.055	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP

F025

Condensed light ends 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 up to and including five, with varying amounts and positions of chlorine substitution. F025—Light Ends Subcategory.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
Methylene chloride	75-9-2	0.089	30
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Vinyl chloride	75-01-4	0.27	6.0

F025

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. F025—Spent Filters/Aids and Desiccants Subcategory.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Hexachlorobenzene	118-74-1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachloroethane	67-72-1	0.055	30
Methylene chloride	75-9-2	0.089	30
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Vinyl chloride	75-01-4	0.27	6.0

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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.)

HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
Pentachlorophenol	87-86-5	0.089	7.4
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

F028

Residues resulting from the incineration or thermal treatment of soil contaminated with USEPA hazardous waste numbers F020, F021, F023, F026, and F027.

HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
Pentachlorophenol	87-86-5	0.089	7.4

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TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4

## 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 35 Ill. Adm. Code 721.135 or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), 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 or penta-chlorophenol.

Acenaphthene	83-32-9	0.059	3.4
Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k) fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b) fluoranthene)	207-08-9	0.11	6.8
Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
2-4-Dimethyl phenol	105-67-9	0.036	14
Fluorene	86-73-7	0.059	3.4
Hexachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Hexachlorodibenzofurans	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>

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Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Pentachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Pentachlorodibenzofurans	NA	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Pentachlorophenol	87-86-5	0.089	7.4
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Tetrachlorodibenzo-p-dioxins	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Tetrachlorodibenzofurans	NA	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

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 or pentachlorophenol.

Acenaphthene	83-32-9	0.059	3.4
Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4

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Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Fluorene	86-73-7	0.059	3.4
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP

F035

Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes that are 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 or pentachlorophenol.

Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP

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 35 Ill. Adm. Code 721.131(b)(2) (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.

Acenaphthene	83-32-9	0.059	NA
Anthracene	120-12-7	0.059	3.4
Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4

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Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	218-01-9	0.059	3.4
Di-n-butyl phthalate	84-74-2	0.057	28
Ethylbenzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/ℓ TCLP

F038

Petroleum refinery secondary (emulsified) oil/water/solids separation sludge or float generated from the physical 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 floatation (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 35 Ill. Adm. Code 721.131(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological units) and F037, K048, and K051 are not included in this listing.

Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	218-01-9	0.059	3.4
Di-n-butyl phthalate	84-74-2	0.057	28
Ethylbenzene	100-41-4	0.057	10

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Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/ℓ TCLP

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 USEPA hazardous wastes and no other hazardous wastes retains its USEPA hazardous waste numbers: F020, F021, F022, F026, F027, or F028.).

Acenaphthylene	208-96-8	0.059	3.4
Acenaphthene	83-32-9	0.059	3.4
Acetone	67-64-1	0.28	160
Acetonitrile	75-05-8	5.6	NA
Acetophenone	96-86-2	0.010	9.7
2-Acetylaminofluorene	53-96-3	0.059	140
Acrolein	107-02-8	0.29	NA
Acrylonitrile	107-13-1	0.24	84
Aldrin	309-00-2	0.021	0.066
4-Aminobiphenyl	92-67-1	0.13	NA
Aniline	62-53-3	0.81	14
o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
Anthracene	120-12-7	0.059	3.4
Aramite	140-57-8	0.36	NA
α-BHC	319-84-6	0.00014	0.066
β-BHC	319-85-7	0.00014	0.066

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$\delta$ -BHC	319-86-8	0.023	0.066
$\gamma$ -BHC	58-89-9	0.0017	0.066
Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Benzo(a)pyrene	50-32-8	0.061	3.4
Bromodichloromethane	75-27-4	0.35	15
Methyl bromide (Bromomethane)	74-83-9	0.11	15
4-Bromophenyl phenyl ether	101-55-3	0.055	15
n-Butyl alcohol	71-36-3	5.6	2.6
Butyl benzyl phthalate	85-68-7	0.017	28
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
Carbon disulfide	75-15-0	3.8	NA
Carbon tetrachloride	56-23-5	0.057	6.0
Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
p-Chloroaniline	106-47-8	0.46	16
Chlorobenzene	108-90-7	0.057	6.0
Chlorobenzilate	510-15-6	0.10	NA
2-Chloro-1,3-butadiene	126-99-8	0.057	NA
Chlorodibromomethane	124-48-1	0.057	15
Chloroethane	75-00-3	0.27	6.0
bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
Chloroform	67-66-3	0.046	6.0
bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
p-Chloro-m-cresol	59-50-7	0.018	14
Chloromethane (Methyl chloride)	74-87-3	0.19	30
2-Chloronaphthalene	91-58-7	0.055	5.6
2-Chlorophenol	95-57-8	0.044	5.7

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3-Chloropropylene	107-05-1	0.036	30
Chrysene	218-01-9	0.059	3.4
p-Cresidine	120-71-8	0.010	0.66
o-Cresol	95-48-7	0.11	5.6
m-Cresol	108-39-4	0.77	5.6
(difficult to distinguish from p-cresol)			
p-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
Cyclohexanone	108-94-1	0.36	NA
1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
Dibromomethane	74-95-3	0.11	15
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
o,p'-DDD	53-19-0	0.023	0.087
p,p'-DDD	72-54-8	0.023	0.087
o,p'-DDE	3424-82-6	0.031	0.087
p,p'-DDE	72-55-9	0.031	0.087
o,p'-DDT	789-02-6	0.0039	0.087
p,p'-DDT	50-29-3	0.0039	0.087
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Dibenz(a,e)pyrene	192-65-4	0.061	NA
m-Dichlorobenzene	541-73-1	0.036	6.0
o-Dichlorobenzene	95-50-1	0.088	6.0
p-Dichlorobenzene	106-46-7	0.090	6.0
Dichlorodifluoromethane	75-71-8	0.23	7.2
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
trans-1,2-Dichloroethylene	156-60-5	0.054	30
2,4-Dichlorophenol	120-83-2	0.044	14
2,6-Dichlorophenol	87-65-0	0.044	14
1,2-Dichloropropane	78-87-5	0.85	18
cis-1,3-Dichloropropylene	10061-01-5	0.036	18

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trans-1,3-Dichloropropylene	10061-02-6	0.036	18
Dieldrin	60-57-1	0.017	0.13
2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66
Diethyl phthalate	84-66-2	0.20	28
2-4-Dimethyl phenol	105-67-9	0.036	14
Dimethyl phthalate	131-11-3	0.047	28
Di-n-butyl phthalate	84-74-2	0.057	28
1,4-Dinitrobenzene	100-25-4	0.32	2.3
4,6-Dinitro-o-cresol	534-52-1	0.28	160
2,4-Dinitrophenol	51-28-5	0.12	160
2,4-Dinitrotoluene	121-14-2	0.32	140
2,6-Dinitrotoluene	606-20-2	0.55	28
Di-n-octyl phthalate	117-84-0	0.017	28
Di-n-propylnitrosamine	621-64-7	0.40	14
1,4-Dioxane	123-91-1	12.0	170
Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	NA
Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	NA
1,2-Diphenylhydrazine	122-66-7	0.087	NA
Disulfoton	298-04-4	0.017	6.2
Endosulfan I	939-98-8	0.023	0.066
Endosulfan II	33213-6-5	0.029	0.13
Endosulfan sulfate	1031-07-8	0.029	0.13
Endrin	72-20-8	0.0028	0.13
Endrin aldehyde	7421-93-4	0.025	0.13
Ethyl acetate	141-78-6	0.34	33
Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
Ethyl benzene	100-41-4	0.057	10
Ethyl ether	60-29-7	0.12	160
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Ethyl methacrylate	97-63-2	0.14	160
Ethylene oxide	75-21-8	0.12	NA
Famphur	52-85-7	0.017	15
Fluoranthene	206-44-0	0.068	3.4

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Fluorene	86-73-7	0.059	3.4
Heptachlor	76-44-8	0.0012	0.066
1,2,3,4,6,7,8-Heptachlorodibenz o-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035	0.0025
1,2,3,4,6,7,8-Heptachlorodibenz ofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035	0.0025
1,2,3,4,7,8,9-Heptachlorodibenz ofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035	0.0025
Heptachlor epoxide	1024-57-3	0.016	0.066
Hexachlorobenzene	118-74-1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachlorocyclopentadiene	77-47-4	0.057	2.4
HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
Hexachloroethane	67-72-1	0.055	30
Hexachloropropylene	1888-71-7	0.035	30
Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
Iodomethane	74-88-4	0.19	65
Isobutyl alcohol	78-83-1	5.6	170
Isodrin	465-73-6	0.021	0.066
Isosafrole	120-58-1	0.081	2.6
Kepone	143-50-8	0.0011	0.13
Methacrylonitrile	126-98-7	0.24	84
Methanol	67-56-1	5.6	NA
Methapyrilene	91-80-5	0.081	1.5
Methoxychlor	72-43-5	0.25	0.18
3-Methylcholanthrene	56-49-5	0.0055	15
4,4-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
Methylene chloride	75-09-2	0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33
Methyl methacrylate	80-62-6	0.14	160
Methyl methansulfonate	66-27-3	0.018	NA
Methyl parathion	298-00-0	0.014	4.6

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Naphthalene	91-20-3	0.059	5.6
2-Naphthylamine	91-59-8	0.52	NA
p-Nitroaniline	100-01-6	0.028	28
Nitrobenzene	98-95-3	0.068	14
5-Nitro-o-toluidine	99-55-8	0.32	28
p-Nitrophenol	100-02-7	0.12	29
N-Nitrosodiethylamine	55-18-5	0.40	28
N-Nitrosodimethylamine	62-75-9	0.40	NA
N-Nitroso-di-n-butylamine	924-16-3	0.40	17
N-Nitrosomethylethylamine	10595-95-6	0.40	2.3
N-Nitrosomorpholine	59-89-2	0.40	2.3
N-Nitrosopiperidine	100-75-4	0.013	35
N-Nitrosopyrrolidine	930-55-2	0.013	35
1,2,3,4,6,7,8,9-Octachlorodibenz o-p-dioxin	3268-87-9	0.000063	0.0025
(1,2,3,4,6,7,8,9-OCDD)			
1,2,3,4,6,7,8,9- <del>Octachlorobibenz</del> <del>efuran</del> <a href="#">Octachlorodibenzofuran</a>	39001-02-0	0.000063	0.005
(OCDF)			
Parathion	56-38-2	0.014	4.6
Total PCBs	1336-36-3	0.10	10
(sum of all PCB isomers, or all Aroclors)			
Pentachlorobenzene	608-93-5	0.055	10
PeCDDs (All	36088-22-9	0.000063	0.001
Pentachlorodibenzo-p-dioxins)			
PeCDFs (All	30402-15-4	0.000035	0.001
Pentachlorodibenzofurans)			
Pentachloronitrobenzene	82-68-8	0.055	4.8
Pentachlorophenol	87-86-5	0.089	7.4
Phenacetin	62-44-2	0.081	16
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
1,3-Phenylenediamine	108-45-2	0.010	0.66
Phorate	298-02-2	0.021	4.6
Phthalic anhydride	85-44-9	0.055	NA
Pronamide	23950-58-5	0.093	1.5
Pyrene	129-00-0	0.067	8.2

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Pyridine	110-86-1	0.014	16
Safrole	94-59-7	0.081	22
Silvex (2,4,5-TP)	93-72-1	0.72	7.9
2,4,5-T	93-76-5	0.72	7.9
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
TCDDs (All	41903-57-5	0.000063	0.001
Tetrachlorodibenzo-p-dioxins)			
TCDFs (All	55722-27-5	0.000063	0.001
Tetrachlorodibenzofurans)			
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
Toluene	108-88-3	0.080	10
Toxaphene	8001-35-2	0.0095	2.6
Bromoform (Tribromomethane)	75-25-2	0.63	15
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Trichloromonofluoromethane	75-69-4	0.020	30
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
1,2,3-Trichloropropane	96-18-4	0.85	30
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
tris(2,3-Dibromopropyl)phosphate	126-72-7	0.11	NA
Vinyl chloride	75-01-4	0.27	6.0
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Antimony	7440-36-0	1.9	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Barium	7440-39-3	1.2	21 mg/l TCLP
Beryllium	7440-41-7	0.82	NA
Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

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Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA
Fluoride	16964-48-8	35	NA
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Mercury	7439-97-6	0.15	0.025 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Selenium	7782-49-2	0.82	5.7 mg/l TCLP
Silver	7440-22-4	0.43	0.14 mg/l TCLP
Sulfide	8496-25-8	14	NA
Thallium	7440-28-0	1.4	NA
Vanadium	7440-62-2	4.3	NA

K001

Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote or pentachlorophenol.

Naphthalene	91-20-3	0.059	5.6
Pentachlorophenol	87-86-5	0.089	7.4
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K002

Wastewater treatment sludge from the production of chrome yellow and orange pigments.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K003

Wastewater treatment sludge from the production of molybdate orange pigments.

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Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K004

Wastewater treatment sludge from the production of zinc yellow pigments.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K005

Wastewater treatment sludge from the production of chrome green pigments.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

K006

Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous).

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K006

Wastewater treatment sludge from the production of chrome oxide green pigments (hydrated).

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	NA

K007

Wastewater treatment sludge from the production of iron blue pigments.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

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Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
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K008

Oven residue from the production of chrome oxide green pigments.

Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP

K009

Distillation bottoms from the production of acetaldehyde from ethylene.

Chloroform	67-66-3	0.046	6.0
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K010

Distillation side cuts from the production of acetaldehyde from ethylene.

Chloroform	67-66-3	0.046	6.0
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K011

Bottom stream from the wastewater stripper in the production of acrylonitrile.

Acetonitrile	75-05-8	5.6	38
Acrylonitrile	107-13-1	0.24	84
Acrylamide	79-06-1	19	23
Benzene	71-43-2	0.14	10
Cyanide (Total)	57-12-5	1.2	590

K013

Bottom stream from the acetonitrile column in the production of acrylonitrile.

Acetonitrile	75-05-8	5.6	38
Acrylonitrile	107-13-1	0.24	84
Acrylamide	79-06-1	19	23

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Benzene	71-43-2	0.14	10
Cyanide (Total)	57-12-5	1.2	590

K014

Bottoms from the acetonitrile purification column in the production of acrylonitrile.

Acetonitrile	75-05-8	5.6	38
Acrylonitrile	107-13-1	0.24	84
Acrylamide	79-06-1	19	23
Benzene	71-43-2	0.14	10
Cyanide (Total)	57-12-5	1.2	590

K015

Still bottoms from the distillation of benzyl chloride.

Anthracene	120-12-7	0.059	3.4
Benzal chloride	98-87-3	0.055	6.0
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Phenanthrene	85-01-8	0.059	5.6
Toluene	108-88-3	0.080	10
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP

K016

Heavy ends or distillation residues from the production of carbon tetrachloride.

Hexachlorobenzene	118-74-1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachlorocyclopentadiene	77-47-4	0.057	2.4
Hexachloroethane	67-72-1	0.055	30

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Tetrachloroethylene	127-18-4	0.056	6.0
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K017

Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.

bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
1,2-Dichloropropane	78-87-5	0.85	18
1,2,3-Trichloropropane	96-18-4	0.85	30

K018

Heavy ends from the fractionation column in ethyl chloride production.

Chloroethane	75-00-3	0.27	6.0
Chloromethane	74-87-3	0.19	NA
1,1-Dichloroethane	75-34-3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
Hexachlorobenzene	118-74-1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachloroethane	67-72-1	0.055	30
Pentachloroethane	76-01-7	NA	6.0
1,1,1-Trichloroethane	71-55-6	0.054	6.0

K019

Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.

bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
Chlorobenzene	108-90-7	0.057	6.0
Chloroform	67-66-3	0.046	6.0
p-Dichlorobenzene	106-46-7	0.090	NA
1,2-Dichloroethane	107-06-2	0.21	6.0
Fluorene	86-73-7	0.059	NA
Hexachloroethane	67-72-1	0.055	30
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	NA

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Tetrachloroethylene	127-18-4	0.056	6.0
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,1,1-Trichloroethane	71-55-6	0.054	6.0

K020

Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.

1,2-Dichloroethane	107-06-2	0.21	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0

K021

Aqueous spent antimony catalyst waste from fluoromethanes production.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP

K022

Distillation bottom tars from the production of phenol or acetone from cumene.

Toluene	108-88-3	0.080	10
Acetophenone	96-86-2	0.010	9.7
Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
Phenol	108-95-2	0.039	6.2
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP

K023

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Distillation light ends from the production of phthalic anhydride from naphthalene.

Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28

K024

Distillation bottoms from the production of phthalic anhydride from naphthalene.

Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28

K025

Distillation bottoms from the production of nitrobenzene by the nitration of benzene.

NA	NA	LLEXT fb SSTRP fb CARBN; or CMBST	CMBST
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K026

Stripping still tails from the production of methyl ethyl pyridines.

NA	NA	CMBST	CMBST
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K027

Centrifuge and distillation residues from toluene diisocyanate production.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

NA	NA	CARBN; or CMBST	CMBST
K028			
Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.			
1,1-Dichloroethane	75-34-3	0.059	6.0
trans-1,2-Dichloroethylene	156-60-5	0.054	30
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachloroethane	67-72-1	0.055	30
Pentachloroethane	76-01-7	NA	6.0
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
1,1,1-Trichloroethane	71-55-6	0.054	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Cadmium	7440-43-9	0.69	NA
Chromium(Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP

K029

Waste from the product steam stripper in the production of 1,1,1-trichloroethane.

Chloroform	67-66-3	0.046	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75-35-4	0.025	6.0
1,1,1-Trichloroethane	71-55-6	0.054	6.0
Vinyl chloride	75-01-4	0.27	6.0

K030

Column bodies or heavy ends from the combined production of trichloroethylene and perchloroethylene.

o-Dichlorobenzene	95-50-1	0.088	NA
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

p-Dichlorobenzene	106-46-7	0.090	NA
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachloroethane	67-72-1	0.055	30
Hexachloropropylene	1888-71-7	NA	30
Pentachlorobenzene	608-93-5	NA	10
Pentachloroethane	76-01-7	NA	6.0
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
Tetrachloroethylene	127-18-4	0.056	6.0
1,2,4-Trichlorobenzene	120-82-1	0.055	19

K031

By-product salts generated in the production of MSMA and cacodylic acid.

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
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K032

Wastewater treatment sludge from the production of chlordane.

Hexachlorocyclopentadiene	77-47-4	0.057	2.4
Chlordane ( $\alpha$ and $\gamma$ isomers)	57-74-9	0.0033	0.26
Heptachlor	76-44-8	0.0012	0.066
Heptachlor epoxide	1024-57-3	0.016	0.066

K033

Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.

Hexachlorocyclopentadiene	77-47-4	0.057	2.4
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K034

Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.

Hexachlorocyclopentadiene	77-47-4	0.057	2.4
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

K035

Wastewater treatment sludges generated in the production of creosote.

Acenaphthene	83-32-9	NA	3.4
Anthracene	120-12-7	NA	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4
o-Cresol	95-48-7	0.11	5.6
m-Cresol	108-39-4	0.77	5.6
(difficult to distinguish from p-cresol)			
p-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
Dibenz(a,h)anthracene	53-70-3	NA	8.2
Fluoranthene	206-44-0	0.068	3.4
Fluorene	86-73-7	NA	3.4
Indeno(1,2,3-cd)pyrene	193-39-5	NA	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2

K036

Still bottoms from toluene reclamation distillation in the production of disulfoton.

Disulfoton	298-04-4	0.017	6.2
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K037

Wastewater treatment sludges from the production of disulfoton.

Disulfoton	298-04-4	0.017	6.2
Toluene	108-88-3	0.080	10

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

K038

Wastewater from the washing and stripping of phorate production.

Phorate	298-02-2	0.021	4.6
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K039

Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.

NA	NA	CARBN; or CMBST	CMBST
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K040

Wastewater treatment sludge from the production of phorate.

Phorate	298-02-2	0.021	4.6
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K041

Wastewater treatment sludge from the production of toxaphene.

Toxaphene	8001-35-2	0.0095	2.6
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K042

Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.

o-Dichlorobenzene	95-50-1	0.088	6.0
p-Dichlorobenzene	106-46-7	0.090	6.0
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,2,4-Trichlorobenzene	120-82-1	0.055	19

K043

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

2,6-Dichlorophenol waste from the production of 2,4-D.

2,4-Dichlorophenol	120-83-2	0.044	14
2,6-Dichlorophenol	187-65-0	0.044	14
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
Pentachlorophenol	87-86-5	0.089	7.4
Tetrachloroethylene	127-18-4	0.056	6.0
HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001

K044

Wastewater treatment sludges from the manufacturing and processing of explosives.

NA	NA	DEACT	DEACT
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K045

Spent carbon from the treatment of wastewater containing explosives.

NA	NA	DEACT	DEACT
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K046

Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
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K047

Pink or red water from TNT operations.

NA	NA	DEACT	DEACT
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K048

Dissolved air flotation (DAF) float from the petroleum refining industry.

Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	218-01- <a href="#">9218-01</a> -9	0.059	3.4
Di-n-butyl phthalate	84-74-2	0.057	28
Ethylbenzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-33	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/ℓ TCLP

K049

Slop oil emulsion solids from the petroleum refining industry.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Anthracene	120-12-7	0.059	3.4
Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Carbon disulfide	75-15-0	3.8	NA
Chrysene	<del>2218-01-9</del> 218-01-9	0.059	3.4
2,4-Dimethylphenol	105-67-9	0.036	NA
Ethylbenzene	100-41-4	0.057	10
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/l TCLP

K050

Heat exchanger bundle cleaning sludge from the petroleum refining industry.

Benzo(a)pyrene	50-32-8	0.061	3.4
Phenol	108-95-2	0.039	6.2
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/l TCLP

K051

API separator sludge from the petroleum refining industry.

Acenaphthene	83-32-9	0.059	NA
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
Chrysene	<del>2218-01-9</del> <a href="#">218-01-9</a> <del>92218-01-9</del>	0.059	3.4
Di-n-butyl phthalate	105-67-9	0.057	28
Ethylbenzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	NA
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.08	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/ℓ TCLP

K052

Tank bottoms (leaded) from the petroleum refining industry.

Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
o-Cresol	95-48-7	0.11	5.6
m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
2,4-Dimethylphenol	105-67-9	0.036	NA

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Ethylbenzene	100-41-4	0.057	10
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Toluene	108-88-3	0.08	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	NA
Nickel	7440-02-0	NA	11 mg/l TCLP

K060

Ammonia still lime sludge from coking operations.

Benzene	71-43-2	0.14	10
Benzo(a)pyrene	50-32-8	0.061	3.4
Naphthalene	91-20-3	0.059	5.6
Phenol	108-95-2	0.039	6.2
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

K061

Emission control dust or sludge from the primary production of steel in electric furnaces.

Antimony	7440-36-0	NA	1.15 mg/l TCLP
Arsenic	7440-38-2	NA	5.0 mg/l TCLP
Barium	7440-39-3	NA	21 mg/l TCLP
Beryllium	7440-41-7	NA	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Mercury	7439-97-6	NA	0.025 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Selenium	7782-49-2	NA	5.7 mg/l TCLP
Silver	7440-22-4	NA	0.14 mg/l TCLP

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Thallium	7440-28-0	NA	0.20 mg/ℓ TCLP
Zinc	7440-66-6	NA	4.3 mg/ℓ TCLP

K062

Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).

Chromium (Total)	7440-47-3	2.77	0.60 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Nickel	7440-02-0	3.98	NA

K069

Emission control dust or sludge from secondary lead smelting - Calcium sulfate (Low Lead) Subcategory.

Cadmium	7440-43-9	0.69	0.11 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP

K069

Emission control dust or sludge from secondary lead smelting - Non-Calcium sulfate (High Lead) Subcategory.

NA	NA	NA	RLEAD
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K071

K071 (Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used) nonwastewaters that are residues from RMERC.

Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
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K071

K071 (Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used) nonwastewaters that are not residues from RMERC.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Mercury 7439-97-6 NA 0.025 mg/l TCLP

K071

All K071 wastewaters.

Mercury 7439-97-6 0.15 NA

K073

Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Hexachloroethane	67-72-1	0.055	30
Tetrachloroethylene	127-18-4	0.056	6.0
1,1,1-Trichloroethane	71-55-6	0.054	6.0

K083

Distillation bottoms from aniline production.

Aniline	62-53-3	0.81	14
Benzene	71-43-2	0.14	10
Cyclohexanone	108-94-1	0.36	NA
Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
Nitrobenzene	98-95-3	0.068	14
Phenol	108-95-2	0.039	6.2
Nickel	7440-02-0	3.98	11 mg/l TCLP

K084

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
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K085

Distillation or fractionation column bottoms from the production of chlorobenzenes.

Benzene	71-43-2	0.14	10
Chlorobenzene	108-90-7	0.057	6.0
m-Dichlorobenzene	541-73-1	0.036	6.0
o-Dichlorobenzene	95-50-1	0.088	6.0
p-Dichlorobenzene	106-46-7	0.090	6.0
Hexachlorobenzene	118-74-1	0.055	10
Total PCBs	1336-36-3	0.10	10
(sum of all PCB isomers, or all Aroclors)			
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,2,4-Trichlorobenzene	120-82-1	0.055	19

K086

Solvent wastes 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.

Acetone	67-64-1	0.28	160
Acetophenone	96-86-2	0.010	9.7
bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
n-Butyl alcohol	71-36-3	5.6	2.6
Butylbenzyl phthalate	85-68-7	0.017	28
Cyclohexanone	108-94-1	0.36	NA
o-Dichlorobenzene	95-50-1	0.088	6.0
Diethyl phthalate	84-66-2	0.20	28
Dimethyl phthalate	131-11-3	0.047	28

~~POLLUTION CONTROL BOARD~~

## NOTICE OF PROPOSED AMENDMENTS

Di-n-butyl phthalate	84-74-2	0.057	28
Di-n-octyl phthalate	117-84-0	0.017	28
Ethyl acetate	141-78-6	0.34	33
Ethylbenzene	100-41-4	0.057	10
Methanol	67-56-1	5.6	NA
Methyl ethyl ketone	78-93-3	0.28	36
Methyl isobutyl ketone	108-10-1	0.14	33
Methylene chloride	75-09-2	0.089	30
Naphthalene	91-20-3	0.059	5.6
Nitrobenzene	98-95-3	0.068	14
Toluene	108-88-3	0.080	10
1,1,1-Trichloroethane	71-55-6	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Lead	7439-92-1	0.69	0.75 mg/l TCLP

## K087

Decanter tank tar sludge from coking operations.

Acenaphthylene	208-96-8	0.059	3.4
Benzene	71-43-2	0.14	10
Chrysene	218-01-9	0.059	3.4
Fluoranthene	206-44-0	0.068	3.4
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	85-01-8	0.059	5.6
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP

## K088

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Spent potliners from primary aluminum reduction.

Acenaphthene	83-32-9	0.059	3.4
Anthracene	120-12-7	0.059	3.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene	205-99-2	0.11	6.8
Benzo(k)fluoranthene	207-08-9	0.11	6.8
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Fluoranthene	206-44-0	0.068	3.4
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Antimony	7440-36-0	1.9	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4	26.1 mg/l
Barium	7440-39-3	1.2	21 mg/l TCLP
Beryllium	7440-41-7	0.82	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP
Mercury	7439-97-6	0.15	0.025 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Selenium	7782-49-2	0.82	5.7 mg/l TCLP
Silver	7440-22-4	0.43	0.14 mg/l TCLP
Cyanide (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanide (Amenable) <sup>7</sup>	57-12-5	0.86	30
Fluoride	16984-48-8	35	NA

K093

Distillation light ends from the production of phthalic anhydride from ortho-xylene.

Phthalic anhydride (measured as Phthalic acid or Terephthalic	100-21-0	0.055	28
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

acid) Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
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K094

Distillation bottoms from the production of phthalic anhydride from ortho-xylene.

Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28

K095

Distillation bottoms from the production of 1,1,1-trichloroethane.

Hexachloroethane	67-72-1	0.055	30
Pentachloroethane	76-01-7	0.055	6.0
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0

K096

Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.

m-Dichlorobenzene	541-73-1	0.036	6.0
Pentachloroethane	76-01-7	0.055	6.0
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
1,2,4-Trichlorobenzene	120-82-1	0.055	19

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

1,1,2-Trichloroethane	79-00-5	0.054	6.0
Trichloroethylene	79-01-6	0.054	6.0

K097

Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.

Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
Heptachlor	76-44-8	0.0012	0.066
Heptachlor epoxide	1024-57-3	0.016	0.066
Hexachlorocyclopentadiene	77-47-4	0.057	2.4

K098

Untreated process wastewater from the production of toxaphene.

Toxaphene	8001-35-2	0.0095	2.6
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K099

Untreated wastewater from the production of 2,4-D.

2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10
HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001

K100

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Waste leaching solution from acid leaching of emission control dust or sludge from secondary lead smelting.

Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
Lead	7439-92-1	0.69	0.75 mg/l TCLP

K101

Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

o-Nitroaniline	88-74-4	0.27	14
Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Cadmium	7440-43-9	0.69	NA
Lead	7439-92-1	0.69	NA
Mercury	7439-97-6	0.15	NA

K102

Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

o-Nitrophenol	88-75-5	0.028	13
Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
Cadmium	7440-43-9	0.69	NA
Lead	7439-92-1	0.69	NA
Mercury	7439-97-6	0.15	NA

K103

Process residues from aniline extraction from the production of aniline.

Aniline	62-53-3	0.81	14
Benzene	71-43-2	0.14	10
2,4-Dinitrophenol	51-28-5	0.12	160
Nitrobenzene	98-95-3	0.068	14
Phenol	108-95-2	0.039	6.2

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

K104

Combined wastewater streams generated from nitrobenzene or aniline production.

Aniline	62-53-3	0.81	14
Benzene	71-43-2	0.14	10
2,4-Dinitrophenol	51-28-5	0.12	160
Nitrobenzene	98-95-3	0.068	14
Phenol	108-95-2	0.039	6.2
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590

K105

Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.

Benzene	71-43-2	0.14	10
Chlorobenzene	108-90-7	0.057	6.0
2-Chlorophenol	95-57-8	0.044	5.7
o-Dichlorobenzene	95-50-1	0.088	6.0
p-Dichlorobenzene	106-46-7	0.090	6.0
Phenol	108-95-2	0.039	6.2
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4

K106

K106 (wastewater treatment sludge from the mercury cell process in chlorine production) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.

Mercury	7439-97-6	NA	RMERC
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K106

K106 (wastewater treatment sludge from the mercury cell process in chlorine production) nonwastewaters that contain less than 260 mg/kg total mercury that are residues from RMERC.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Mercury 7439-97-6 NA 0.20 mg/l TCLP

K106

Other K106 nonwastewaters that contain less than 260 mg/kg total mercury and are not residues from RMERC.

Mercury 7439-97-6 NA 0.025 mg/l TCLP

K106

All K106 wastewaters.

Mercury 7439-97-6 0.15 NA

K107

Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

NA NA CMBST; or  
CHOXD fb  
CARBN; or  
BIODG fb  
CARBN CMBST

K108

Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

NA NA CMBST; or  
CHOXD fb  
CARBN; or  
BIODG fb  
CARBN CMBST

K109

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
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K110

Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.

NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
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K111

Product washwaters from the production of dinitrotoluene via nitration of toluene.

2,4-Dinitrotoluene	121-14-2	0.32	140
2,6-Dinitrotoluene	606-20-2	0.55	28

K112

Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.

NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb	CMBST
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

CARBN

K113

Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

NA	NA	CARBN; or CMBST	CMBST
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K114

Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

NA	NA	CARBN; or CMBST	CMBST
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K115

Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.

Nickel	7440-02-0	3.98	11 mg/l TCLP
NA	NA	CARBN; or CMBST	CMBST

K116

Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.

NA	NA	CARBN; or CMBST	CMBST
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K117

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.

Methyl bromide (Bromomethane)	74-83-9	0.11	15
Chloroform	67-66-3	0.046	6.0
Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15

K118

Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

Methyl bromide (Bromomethane)	74-83-9	0.11	15
Chloroform	67-66-3	0.046	6.0
Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15

K123

Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.

NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
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K124

Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.

NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

K125

Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.

NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
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K126

Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.

NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
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K131

Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.

Methyl bromide (Bromomethane)	74-83-9	0.11	15
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K132

Spent absorbent and wastewater separator solids from the production of methyl bromide.

Methyl bromide (Bromomethane)	74-83-9	0.11	15
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K136

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

Methyl bromide (Bromomethane)	74-83-9	0.11	15
Chloroform	67-66-3	0.046	6.0
Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15

K141

Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke or the recovery of coke by-products produced from coal. This listing does not ~~include~~include K087 (decanter tank tar sludge from coking operations).

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-2-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

K142

Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from	205-99-2	0.11	6.8

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benzo(k)fluoranthene)			
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

## 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.

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4

## 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.

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from	207-08-9	0.11	6.8

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benzo(b)fluoranthene)			
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2

K145

Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Naphthalene	91-20-3	0.059	5.6

K147

Tar storage tank residues from coal tar refining.

Benzene	71-43-2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

K148

Residues from coal tar distillation, including, but not limited to, still bottoms.

Benz(a)anthracene	56-55-3	0.059	3.4
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Benzo(a)pyrene	50-32-8	0.061	3.4
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4

## 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 distillations of benzyl chloride.)

Chlorobenzene	108-90-7	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Chloromethane	74-87-3	0.19	30
p-Dichlorobenzene	106-46-7	0.090	6.0
Hexachlorobenzene	118-74-1	0.055	10
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
Toluene	108-88-3	0.080	10

## 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.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Chloromethane	74-87-3	0.19	30
p-Dichlorobenzene	106-46-7	0.090	6.0
Hexachlorobenzene	118-74-1	0.055	10

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Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,1,2,2- Tetrachloroethane	79-34-5	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
1,2,4-Trichlorobenzene	120-82-1	0.055	19

## 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.

Benzene	71-43-2	0.14	10
Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Hexachlorobenzene	118-74-1	0.055	10
Pentachlorobenzene	608-93-5	0.055	10
1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
Tetrachloroethylene	127-18-4	0.056	6.0
Toluene	108-88-3	0.080	10

## K156

Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes.

Acetonitrile	75-05-8	5.6	1.8
Acetophenone	98-86-2	0.010	9.7
Aniline	62-53-3	0.81	14
Benomyl <sup>10</sup>	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Benzene	71-43-2	0.14	10
Carbaryl <sup>10</sup>	63- <del>25-263</del> -25-2 1	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Carbenzadim <sup>10</sup>	10605-21-7	0.056; or CMBST, CHOXD, BIODG	1.4; or CMBST

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Carbofuran <sup>10</sup>	1563-66-2	or CARBN 0.006; or CMBST, CHOXD, BIODG	0.14; or CMBST
Carbosulfan <sup>10</sup>	55285-14-8	or CARBN 0.028; or CMBST, CHOXD, BIODG	1.4; or CMBST
Chlorobenzene	108-90-7	0.057	6.0
Chloroform	67-66-3	0.046	6.0
o-Dichlorobenzene	95-50-1	0.088	6.0
Methomyl <sup>10</sup>	16752-77-5	0.028; or CMBST, CHOXD, BIODG	0.14; or CMBST
Methylene chloride	75-09-2	or CARBN 0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Naphthalene	91-20-3	0.059	5.6
Phenol	108-95-2	0.039	6.2
Pyridine	110-86-1	0.014	16
Toluene	108-88-3	0.080	10
Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG	1.5; or CMBST
		or CARBN	

K157

Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes.

Carbon tetrachloride	56-23-5	0.057	6.0
Chloroform	67-66-3	0.046	6.0
Chloromethane	74-87-3	0.19	30
Methomyl <sup>10</sup>	16752-77-5	0.028; or CMBST, CHOXD, BIODG	0.14; or CMBST
Methylene chloride	75-09-2	or CARBN 0.089	30
Methyl ethyl ketone	78-93-3	0.28	36
Pyridine	110-86-1	0.014	16
Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG	1.5; or CMBST

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

or CARBN

K158

Baghouse dusts and filter/separation solids from the production of carbamates and carbamoyl oximes.

Benomyl <sup>10</sup>	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBSTP
Benzene	71-43-2	0.14	10
Carbenzadim <sup>10</sup>	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Carbofuran <sup>10</sup>	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
Carbosulfan <sup>10</sup>	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Chloroform	67-66-3	0.046	6.0
Methylene chloride	75-09-2	0.089	30
Phenol	108-95-2	0.039	6.2

K159

Organics from the treatment of thiocarbamate wastes.<sup>10</sup>

Benzene	71-43-2	0.14	10
Butylate <sup>10</sup>	2008-41-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
EPTC (Eptam) <sup>10</sup>	759-94-4	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Molinate <sup>10</sup>	2212-67-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Pebulate <sup>10</sup>	1114-71-2	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
Vernolate <sup>10</sup>	1929-77-7	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

K161

Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust, and floor sweepings from the production of dithiocarbamate acids and their salts.

Antimony	7440-36-0	1.9	1.15 <sup>11</sup>
Arsenic	7440-38-2	1.4	5.0 <sup>11</sup>
Carbon disulfide	75-15-0	3.8	4.8 <sup>11</sup>
Dithiocarbamates (total) <sup>10</sup>	137-30-4	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
Lead	7439-92-1	0.69	0.75 <sup>11</sup>
Nickel	7440-02-0	3.98	11 <sup>11</sup>
Selenium	7782-49-2	0.82	5.7 <sup>11</sup>

K169

Crude oil tank sediment from petroleum refining operations.

Benz(a)anthracene	56-55-3	0.059	3.4
Benzene	71-43-2	0.14	10
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Chrysene	218-01-9	0.059	3.4
Ethyl benzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	81-05-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30

~~POLLUTION CONTROL BOARD~~~~NOTICE OF PROPOSED AMENDMENTS~~

## K170

Clarified slurry oil sediment from petroleum refining operations.

Benz(a)anthracene	56-55-3	0.059	3.4
Benzene	71-43-2	0.14	10
Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
Chrysene	218-01-9	0.059	3.4
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Ethyl benzene	100-41-4	0.057	10
Fluorene	86-73-7	0.059	3.4
Indeno(1,2,3,-cd)pyrene	193-39-5	0.0055	3.4
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	81-05-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total	1330-20-7	0.32	30

## 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.)

Benz(a)anthracene	56-55-3	0.059	3.4
Benzene	71-43-2	0.14	10
Chrysene	218-01-9	0.059	3.4
Ethyl benzene	100-41-4	0.057	10
Naphthalene	91-20-3	0.059	5.6
Phenanthrene	81-05-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30
Arsenic	7740-38-2	1.4	5 mg/l TCLP
Nickel	7440-02-0	3.98	11.0 mg/l TCLP
Vanadium	7440-62-2	4.3	1.6 mg/l TCLP
Reactive sulfides	NA	DEACT	DEACT

## K172

~~POLLUTION CONTROL BOARD~~

## NOTICE OF PROPOSED AMENDMENTS

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.)

Benzene	71-43-2	0.14	10
Ethyl benzene	100-41-4	0.057	10
Toluene (Methyl Benzene)	108-88-3	0.080	10
Xylenes (Total)	1330-20-7	0.32	30
Antimony	7740-36-0	1.9	1.15 mg/l TCLP
Arsenic	7740-38-2	1.4	5 mg/l TCLP
Nickel	7440-02-0	3.98	11.0 mg/l TCLP
Vanadium	7440-62-2	4.3	1.6 mg/l TCLP
Reactive Sulfides	NA	DEACT	DEACT

K174

Wastewater treatment sludge from the production of ethylene dichloride or vinyl chloride monomer.

1,2,3,4,6,7,8-Heptachlorodibenz o-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
1,2,3,4,6,7,8-Heptachlorodibenz ofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
1,2,3,4,7,8,9-Heptachlorodibenz ofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
All hexachlorodibenzo-p-dioxins (HxCDDs)	34465-46-8	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
All hexachlorodibenzofurans (HxCDFs)	55684-94-1	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenz o-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenz ofuran (1,2,3,4,6,7,8,9-OCDF)	39001-02-0	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
All pentachlorodibenzo-p-dioxins	36088-22-9	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

(PeCDDs)			
All pentachlorodibenzofurans (PeCDFs)	30402-15-4	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
All tetrachlorodibenzo-p-dioxins (TCDDs)	41903-57-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
All tetrachlorodibenzofurans (TCDFs)	55722-27-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Arsenic	7440-36-0	1.4	5.0 mg/ℓ TCLP

K175

Wastewater treatment sludge from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.

Mercury <sup>12</sup>	7439-97-6	NA	0.025 mg/ℓ TCLP
PH <sup>12</sup>		NA	pH ≤ 6.0

K175

All K175 wastewaters.

Mercury	7439-97-6	0.15	NA
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K176

Baghouse filters from the production of antimony oxide, including filters from the production of intermediates e.g., antimony metal or crude antimony oxide).

Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
Cadmium	7440-43-9	0.69	0.11 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Mercury	7439-97-6	0.15	0.025 mg/ℓ TCLP

K177

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide).

Antimony	7440-36-0	1.9	1.15 mg/ℓ TCLP
Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP

K178

Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.

1,2,3,4,6,7,8-Heptachlorodibenz o-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
1,2,3,4,6,7,8-Heptachlorodibenz ofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
1,2,3,4,7,8,9-Heptachlorodibenz ofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST <sup>11</sup>	0.0025 or CMBST <sup>11</sup>
HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenz o-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
1,2,3,4,6,7,8,9-Octachlorodibenz ofuran (OCDF)	39001-02-0	0.000063 or CMBST <sup>11</sup>	0.005 or CMBST <sup>11</sup>
PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063 or CMBST <sup>11</sup>	0.001 or CMBST <sup>11</sup>
Thallium	7440-28-0	1.4	0.20 mg/ℓ TCLP

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

K181

Nonwastewaters from the production of dyes or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in Section 721.132(c) which are equal to or greater than the corresponding Section 721.132(c) levels, as determined on a calendar-year basis.

Aniline	62-53-3	0.81	14
o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
4-Chloroaniline	106-47-8	0.46	16
p-Cresidine	120-71-8	0.010	0.66
2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66
1,2-Phenylenediamine	95-54-5	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN
1,3-Phenylenediamine	108-45-2	0.010	0.66

P001

Warfarin, & salts, when present at concentrations greater than 0.3 percent.

Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P002

1-Acetyl-2-thiourea. 1-Acetyl-2-thiourea	591-08-2	(WETOX or CHOXD) fb CARBN; or	CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

			CMBST
P003			
Acrolein.			
Acrolein	107-02-8	0.29	CMBST
P004			
Aldrin.			
Aldrin	309-00-2	0.021	0.066
P005			
Allyl alcohol.			
Allyl alcohol	107-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
P006			
Aluminum phosphide.			
Aluminum phosphide	20859-73-8	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
P007			
5-Aminomethyl-3-isoxazolol.			
5-Aminomethyl-3-isoxazolol	2763-96-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

P008

4-Aminopyridine.

4-Aminopyridine	504-24-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P009

Ammonium picrate.

Ammonium picrate	131-74-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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P010

Arsenic acid.

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
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P011

Arsenic pentoxide.

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
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P012

Arsenic trioxide.

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
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P013

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Barium cyanide.

Barium	7440-39-3	NA	21 mg/l TCLP
Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P014

Thiophenol (Benzene thiol).

Thiophenol (Benzene thiol)	108-98-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P015

Beryllium dust.

Beryllium	7440-41-7	RMETL; or RTHRM	RMETL; or RTHRM
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P016

Dichloromethyl ether (Bis(chloromethyl)ether).

Dichloromethyl ether	542-88-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P017

Bromoacetone.

Bromoacetone	598-31-2	(WETOX or CHOXD) fb CARBN; or	CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

CMBST

P018

Brucine.

Brucine	357-57-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P020

2-sec-Butyl-4,6-dinitrophenol (Dinoseb).

2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
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P021

Calcium cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P022

Carbon disulfide.

Carbon disulfide	75-15-0	3.8	CMBST
Carbon disulfide; alternate <sup>6</sup> standard for nonwastewaters only	75-15-0	NA	4.8 mg/l TCLP

P023

Chloroacetaldehyde.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Chloroacetaldehyde	107-20-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
P024			
p-Chloroaniline.			
p-Chloroaniline	106-47-8	0.46	16
P026			
1-(o-Chlorophenyl)thiourea.			
1-(o-Chlorophenyl)thiourea	5344-82-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
P027			
3-Chloropropionitrile.			
3-Chloropropionitrile	542-76-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
P028			
Benzyl chloride.			
Benzyl chloride	100-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

P029

Copper cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P030

Cyanides (soluble salts and complexes).

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P031

Cyanogen.

Cyanogen	460-19-5	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
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P033

Cyanogen chloride.

Cyanogen chloride	506-77-4	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
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P034

2-Cyclohexyl-4,6-dinitrophenol.

2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

P036

Dichlorophenylarsine.

Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
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P037

Dieldrin.

Dieldrin	60-57-1	0.017	0.13
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P038

Diethylarsine.

Arsenic	7440-38-2	1.4	5.0 mg/ℓ TCLP
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P039

Disulfoton.

Disulfoton	298-04-4	0.017	6.2
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P040

O,O-Diethyl-O-pyrazinyl-phosphorothioate.

O,O-Diethyl-O-pyrazinylphosphorothioate	297-97-2	CARBN; or CMBST	CMBST
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P041

Diethyl-p-nitrophenyl phosphate.

Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or CMBST	CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

P042

Epinephrine.

Epinephrine	51-43-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P043

Diisopropylfluorophosphate (DFP).

Diisopropylfluorophosphate (DFP)	55-91-4	CARBN; or CMBST	CMBST
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P044

Dimethoate.

Dimethoate	60-51-5	CARBN; or CMBST	CMBST
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P045

Thiofanox.

Thiofanox	39196-18-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P046

$\alpha,\alpha$ -Dimethylphenethylamine.

$\alpha,\alpha$ -Dimethylphenethylamine	122-09-8	(WETOX or CHOXD) fb	CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

			CARBN; or CMBST	
P047				
4,6-Dinitro-o-cresol.				
4,6-Dinitro-o-cresol	543-52-1	0.28		160
P047				
4,6-Dinitro-o-cresol salts.				
NA	NA	(WETOX or CHOXD) fb CARBN; or CMBST		CMBST
P048				
2,4-Dinitrophenol.				
2,4-Dinitrophenol	51-28-5	0.12		160
P049				
Dithiobiuret.				
Dithiobiuret	541-53-7	(WETOX or CHOXD) fb CARBN; or CMBST		CMBST
P050				
Endosulfan.				
Endosulfan I	939-98-8	0.023		0.066

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Endosulfan II	33213-6-5	0.029	0.13
Endosulfan sulfate	1031-07-8	0.029	0.13

P051

Endrin.

Endrin	72-20-8	0.0028	0.13
Endrin aldehyde	7421-93-4	0.025	0.13

P054

Aziridine.

Aziridine	151-56-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P056

Fluorine.

Fluoride (measured in wastewaters only)	<del>16964-48-8</del> 16984-48-8 <a href="#">16964-48-8</a>	35	ADGAS fb NEUTR
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P057

Fluoroacetamide.

Fluoroacetamide	640-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P058

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Fluoroacetic acid, sodium salt.

Fluoroacetic acid, sodium salt	62-74-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P059

Heptachlor.

Heptachlor	76-44-8	0.0012	0.066
Heptachlor epoxide	1024-57-3	0.016	0.066

P060

Isodrin.

Isodrin	465-73-6	0.021	0.066
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P062

Hexaethyl tetraphosphate.

Hexaethyl tetraphosphate	757-58-4	CARBN; or CMBST	CMBST
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P063

Hydrogen cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P064

Isocyanic acid, ethyl ester.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Isocyanic acid, ethyl ester	624-83-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P065

P065 (mercury fulminate) nonwastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC.

Mercury	7439-97-6	NA	IMERC
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P065

P065 (mercury fulminate) nonwastewaters that are either incinerator residues or are residues from RMERC; and contain greater than or equal to 260 mg/kg total mercury.

Mercury	7339-97-6	NA	RMERC
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P065

P065 (mercury fulminate) nonwastewaters that are residues from RMERC and contain less than 260 mg/kg total mercury.

Mercury	7439-97-6	NA	0.20 mg/l TCLP
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P065

P065 (mercury fulminate) nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury.

Mercury	7439-97-6	NA	0.025 mg/l TCLP
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P065

All P065 (mercury fulminate) wastewaters.

Mercury	7439-97-6	0.15	NA
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

P066

Methomyl.

Methomyl	16752-77-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P067

2-Methyl-aziridine.

2-Methyl-aziridine	75-55-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P068

Methyl hydrazine.

Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED, or CMBST
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P069

2-Methylactonitrile.

2-Methylactonitrile	75-86-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P070

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Aldicarb.

Aldicarb	116-06-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P071

Methyl parathion.

Methyl parathion	298-00-0	0.014	4.6
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P072

1-Naphthyl-2-thiourea.

1-Naphthyl-2-thiourea	86-88-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P073

Nickel carbonyl.

Nickel	7440-02-0	3.98	11 mg/l TCLP
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P074

Nickel cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Nickel	7440-02-0	3.98	11 mg/l TCLP

P075

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Nicotine and salts.

Nicotine and salts	54-11-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P076

Nitric oxide.

Nitric oxide	10102-43-9	ADGAS	ADGAS
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P077

p-Nitroaniline.

p-Nitroaniline	100-01-6	0.028	28
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P078

Nitrogen dioxide.

Nitrogen dioxide	10102-44-0	ADGAS	ADGAS
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P081

Nitroglycerin.

Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG or CMBST	CHOXD; CHRED; or CMBST
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P082

N-Nitrosodimethylamine.

N-Nitrosodimethylamine	62-75-9	0.40	2.3
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

P084

N-Nitrosomethylvinylamine.

N-Nitrosomethylvinylamine	4549-40-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P085

Octamethylpyrophosphoramidate.

Octamethylpyrophosphoramidate	152-16-9	CARBN; or CMBST	CMBST
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P087

Osmium tetroxide.

Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM
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P088

Endothall.

Endothall	145-73-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P089

Parathion.

Parathion	56-38-2	0.014	4.6
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

P092

P092 (phenyl mercuric acetate) nonwastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC.

Mercury	7439-97-6	NA	IMERC; or RMERC
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P092

P092 (phenyl mercuric acetate) nonwastewaters that are either incinerator residues or are residues from RMERC; and still contain greater than or equal to 260 mg/kg total mercury.

Mercury	7439-97-6	NA	RMERC
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P092

P092 (phenyl mercuric acetate) nonwastewaters that are residues from RMERC and contain less than 260 mg/kg total mercury.

Mercury	7439-97-6	NA	0.20 mg/l TCLP
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P092

P092 (phenyl mercuric acetate) nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury.

Mercury	7439-97-6	NA	0.025 mg/l TCLP
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P092

All P092 (phenyl mercuric acetate) wastewaters.

Mercury	7439-97-6	0.15	NA
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P093

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Phenylthiourea.

Phenylthiourea	103-85-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P094

Phorate.

Phorate	298-02-2	0.021	4.6
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P095

Phosgene.

Phosgene	75-44-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P096

Phosphine.

Phosphine	7803-51-2	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
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P097

Famphur.

Famphur	52-85-7	0.017	15
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P098

Potassium cyanide.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P099

Potassium silver cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP

P101

Ethyl cyanide (Propanenitrile).

Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
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P102

Propargyl alcohol.

Propargyl alcohol	107-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P103

Selenourea.

Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
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P104

Silver cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP

P105

Sodium azide.

Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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P106

Sodium cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

P108

Strychnine and salts.

Strychnine and salts	57-24-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P109

Tetraethyldithiopyrophosphate.

Tetraethyldithiopyrophosphate	3689-24-5	CARBN; or CMBST	CMBST
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P110

Tetraethyl lead.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Lead	7439-92-1	0.69	0.75 mg/l TCLP
P111			
Tetraethylpyrophosphate.			
Tetraethylpyrophosphate	107-49-3	CARBN; or CMBST	CMBST
P112			
Tetranitromethane.			
Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
P113			
Thallic oxide.			
Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
P114			
Thallium selenite.			
Selenium	7782-49-2	0.82	5.7 mg/l TCLP
P115			
Thallium (I) sulfate.			
Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
P116			

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Thiosemicarbazide.

Thiosemicarbazide	79-19-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P118

Trichloromethanethiol.

Trichloromethanethiol	75-70-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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P119

Ammonium vanadate.

Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
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P120

Vanadium pentoxide.

Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
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P121

Zinc cyanide.

Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

P122

Zinc phosphide  $Zn_3P_2$ , when present at concentrations greater than 10 percent.

Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
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P123

Toxaphene.

Toxaphene	8001-35-2	0.0095	2.6
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P127

Carbofuran.<sup>10</sup>

Carbofuran	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
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P128

Mexacarbate.<sup>10</sup>

Mexacarbate	315-18-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P185

Tirpate.<sup>10</sup>

Tirpate	26419-73-8	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
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P188

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Physostigmine salicylate.<sup>10</sup>

Physostigmine salicylate	57-64-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P189

Carbosulfan.<sup>10</sup>

Carbosulfan	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P190

Metolcarb.<sup>10</sup>

Metolcarb	1129-41-5	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P191

Dimetilan.<sup>10</sup>

Dimetilan	644-64-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P192

Isolan.<sup>10</sup>

Isolan	119-38-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

P194

Oxamyl.<sup>10</sup>

Oxamyl	23135-22-0	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
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P196

Manganese dimethyldithiocarbamates (total).<sup>10</sup>

Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
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P197

Formparanate.<sup>10</sup>

Formparanate	17702-57-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P198

Formetanate hydrochloride.<sup>10</sup>

Formetanate hydrochloride	23422-53-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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P199

Methiocarb.<sup>10</sup>

Methiocarb	2032-65-7	0.056; or CMBST,	1.4; or CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

			CHOXD, BIODG or CARBN
P201			
Promecarb. <sup>10</sup>			
Promecarb	2631-37-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P202			
m-Cumenyl methylcarbamate. <sup>10</sup>			
m-Cumenyl methylcarbamate	64-00-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P203			
Aldicarb sulfone. <sup>10</sup>			
Aldicarb sulfone	1646-88-4	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
P204			
Physostigmine. <sup>10</sup>			
Physostigmine	57-47-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P205			
Ziram. <sup>10</sup>			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
U001			
Acetaldehyde.			
Acetaldehyde	75-07-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U002			
Acetone.			
Acetone	67-64-1	0.28	160
U003			
Acetonitrile.			
Acetonitrile	75-05-8	5.6	CMBST
Acetonitrile; alternate <sup>6</sup> standard for nonwastewaters only	75-05-8	NA	38
U004			
Acetophenone.			
Acetophenone	98-86-2	0.010	9.7
U005			
2-Acetylaminofluorene.			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

2-Acetylaminofluorene	53-96-3	0.059	140
U006			
Acetyl chloride.			
Acetyl chloride	75-36-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U007			
Acrylamide.			
Acrylamide	79-06-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U008			
Acrylic acid.			
Acrylic acid	79-10-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U009			
Acrylonitrile.			
Acrylonitrile	107-13-1	0.24	84
U010			
Mitomycin C.			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Mitomycin C	50-07-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U011			
Amitrole.			
Amitrole	61-82-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U012			
Aniline.			
Aniline	62-53-3	0.81	14
U014			
Auramine.			
Auramine	492-80-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U015			
Azaserine.			
Azaserine	115-02-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U016

Benz(c)acridine.

Benz(c)acridine	225-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U017

Benzal chloride.

Benzal chloride	98-87-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U018

Benz(a)anthracene.

Benz(a)anthracene	56-55-3	0.059	3.4
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U019

Benzene.

Benzene	71-43-2	0.14	10
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U020

Benzenesulfonyl chloride.

Benzenesulfonyl chloride	98-09-9	(WETOX or CHOXD) fb CARBN; or	CMBST
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

CMBST

U021

Benzidine.

Benzidine	92-87-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U022

Benzo(a)pyrene.

Benzo(a)pyrene	50-32-8	0.061	3.4
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U023

Benzotrichloride.

Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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U024

bis(2-Chloroethoxy)methane.

bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
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U025

bis(2-Chloroethyl)ether.

bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
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U026

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Chlornaphazine.

Chlornaphazine	494-03-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U027

bis(2-Chloroisopropyl)ether.

bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
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U028

bis(2-Ethylhexyl)phthalate.

bis(2-Ethylhexyl)phthalate	117-81-7	0.28	28
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U029

Methyl bromide (Bromomethane).

Methyl bromide (Bromomethane)	74-83-9	0.11	15
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U030

4-Bromophenyl phenyl ether.

4-Bromophenyl phenyl ether	101-55-3	0.055	15
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U031

n-Butyl alcohol.

n-Butyl alcohol	71-36-3	5.6	2.6
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U032

Calcium chromate.

Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
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U033

Carbon oxyfluoride.

Carbon oxyfluoride	353-50-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U034

Trichloroacetaldehyde (Chloral).

Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U035

Chlorambucil.

Chlorambucil	305-03-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U036

Chlordane.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Chlordane ( $\alpha$ and $\gamma$ isomers)	57-74-9	0.0033	0.26
U037			
Chlorobenzene.			
Chlorobenzene	108-90-7	0.057	6.0
U038			
Chlorobenzilate.			
Chlorobenzilate	510-15-6	0.10	CMBST
U039			
p-Chloro-m-cresol.			
p-Chloro-m-cresol	59-50-7	0.018	14
U041			
Epichlorohydrin (1-Chloro-2,3-epoxypropane).			
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U042			
2-Chloroethyl vinyl ether.			
2-Chloroethyl vinyl ether	110-75-8	0.062	CMBST
U043			
Vinyl chloride.			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Vinyl chloride	75-01-4	0.27	6.0
U044			
Chloroform.			
Chloroform	67-66-3	0.046	6.0
U045			
Chloromethane (Methyl chloride).			
Chloromethane (Methyl chloride)	74-87-3	0.19	30
U046			
Chloromethyl methyl ether.			
Chloromethyl methyl ether	107-30-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U047			
2-Chloronaphthalene.			
2-Chloronaphthalene	91-58-7	0.055	5.6
U048			
2-Chlorophenol.			
2-Chlorophenol	95-57-8	0.044	5.7
U049			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

4-Chloro-o-toluidine hydrochloride.

4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U050

Chrysene.

Chrysene	218-01-9	0.059	3.4
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U051

Creosote.

Naphthalene	91-20-3	0.059	5.6
Pentachlorophenol	87-86-5	0.089	7.4
Phenanthrene	85-01-8	0.059	5.6
Pyrene	129-00-0	0.067	8.2
Toluene	108-88-3	0.080	10
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
Lead	7439-92-1	0.69	0.75 mg/l TCLP

U052

Cresols (Cresylic acid).

o-Cresol	95-48-7	0.11	5.6
m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
Cresol-mixed isomers (Cresylic	1319-77-3	0.88	11.2

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

acid)  
(sum of o-, m-, and p-cresol  
concentrations)

U053

Crotonaldehyde.

Crotonaldehyde	4170-30-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U055

Cumene.

Cumene	98-82-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U056

Cyclohexane.

Cyclohexane	110-82-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U057

Cyclohexanone.

Cyclohexanone	108-94-1	0.36	CMBST
Cyclohexanone; alternate <sup>6</sup> standard for nonwastewaters	108-94-1	NA	0.75 mg/ℓ TCLP

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

only

U058

Cyclophosphamide.

Cyclophosphamide	50-18-0	CARBN; or CMBST	CMBST
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U059

Daunomycin.

Daunomycin	20830-81-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U060

DDD.

o,p'-DDD	53-19-0	0.023	0.087
p,p'-DDD	72-54-8	0.023	0.087

U061

DDT.

o,p'-DDT	789-02-6	0.0039	0.087
p,p'-DDT	50-29-3	0.0039	0.087
o,p'-DDD	53-19-0	0.023	0.087
p,p'-DDD	72-54-8	0.023	0.087
o,p'-DDE	3424-82-6	0.031	0.087
p,p'-DDE	72-55-9	0.031	0.087

U062

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Diallate.

Diallate	2303-16-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U063

Dibenz(a,h)anthracene.

Dibenz(a,h)anthracene	53-70-3	0.055	8.2
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U064

Dibenz(a,i)pyrene.

Dibenz(a,i)pyrene	189-55-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U066

1,2-Dibromo-3-chloropropane.

1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
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U067

Ethylene dibromide (1,2-Dibromoethane).

Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
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U068

Dibromomethane.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Dibromomethane	74-95-3	0.11	15
U069			
Di-n-butyl phthalate.			
Di-n-butyl phthalate	84-74-2	0.057	28
U070			
o-Dichlorobenzene.			
o-Dichlorobenzene	95-50-1	0.088	6.0
U071			
m-Dichlorobenzene.			
m-Dichlorobenzene	541-73-1	0.036	6.0
U072			
p-Dichlorobenzene.			
p-Dichlorobenzene	106-46-7	0.090	6.0
U073			
3,3'-Dichlorobenzidine.			
3,3'-Dichlorobenzidine	91-94-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U074			

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

1,4-Dichloro-2-butene.

cis-1,4-Dichloro-2-butene	1476-11-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
trans-1,4-Dichloro-2-butene	764-41-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

U075

Dichlorodifluoromethane.

Dichlorodifluoromethane	75-71-8	0.23	7.2
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U076

1,1-Dichloroethane.

1,1-Dichloroethane	75-34-3	0.059	6.0
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U077

1,2-Dichloroethane.

1,2-Dichloroethane	107-06-2	0.21	6.0
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U078

1,1-Dichloroethylene.

1,1-Dichloroethylene	75-35-4	0.025	6.0
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U079

1,2-Dichloroethylene.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

trans-1,2-Dichloroethylene	156-60-5	0.054	30
U080			
Methylene chloride.			
Methylene chloride	75-09-2	0.089	30
U081			
2,4-Dichlorophenol.			
2,4-Dichlorophenol	120-83-2	0.044	14
U082			
2,6-Dichlorophenol.			
2,6-Dichlorophenol	87-65-0	0.044	14
U083			
1,2-Dichloropropane.			
1,2-Dichloropropane	78-87-5	0.85	18
U084			
1,3-Dichloropropylene.			
cis-1,3-Dichloropropylene	10061-01-5	0.036	18
trans-1,3-Dichloropropylene	10061-02-6	0.036	18
U085			
<del>1,2,3,4-Diepoxybutane.</del>			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

~~1,2:3,4-Diepoxybutane~~ 1464-53-5 (WETOX or  
1,2,3,4-Diepoxybutane [1,2:3,4-D](#) CHOXD) fb  
[iepoxybutane](#) CARBN; or  
CMBST

U086

N,N'-Diethylhydrazine.

N,N'-Diethylhydrazine 1615-80-1 CHOXD; CHRED; CHOXD; CHRED;  
CARBN; BIODG; or CMBST  
or CMBST

U087

O,O-Diethyl-S-methyldithiophosphate.

O,O-Diethyl-S-methyldithiophos 3288-58-2 CARBN; or  
phate CMBST

U088

Diethyl phthalate.

Diethyl phthalate 84-66-2 0.20 28

U089

Diethyl stilbestrol.

Diethyl stilbestrol 56-53-1 (WETOX or  
CHOXD) fb  
CARBN; or  
CMBST

U090

Dihydrosafrole.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Dihydrosafrole	94-58-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U091			
3,3'-Dimethoxybenzidine.			
3,3'-Dimethoxybenzidine	119-90-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U092			
Dimethylamine.			
Dimethylamine	124-40-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U093			
p-Dimethylaminoazobenzene.			
p-Dimethylaminoazobenzene	60-11-7	0.13	CMBST
U094			
7,12-Dimethylbenz(a)anthracene.			
7,12-Dimethylbenz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

U095

3,3'-Dimethylbenzidine.

3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U096

$\alpha$ ,  $\alpha$ -Dimethyl benzyl hydroperoxide.

$\alpha$ , $\alpha$ -Dimethyl benzyl hydroperoxide	80-15-9	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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U097

Dimethylcarbamoyl chloride.

Dimethylcarbamoyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U098

1,1-Dimethylhydrazine.

1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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U099

1,2-Dimethylhydrazine.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U101			
2,4-Dimethylphenol.			
2,4-Dimethylphenol	105-67-9	0.036	14
U102			
Dimethyl phthalate.			
Dimethyl phthalate	131-11-3	0.047	28
U103			
Dimethyl sulfate.			
Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U105			
2,4-Dinitrotoluene.			
2,4-Dinitrotoluene	121-14-2	0.32	140
U106			
2,6-Dinitrotoluene.			
2,6-Dinitrotoluene	606-20-2	0.55	28
U107			

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Di-n-octyl phthalate.

Di-n-octyl phthalate	117-84-0	0.017	28
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U108

1,4-Dioxane.

1,4-Dioxane	123-91-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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1,4-Dioxane; alternate <sup>6</sup> standard for nonwastewaters only	123-91-1	12.0	170
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U109

1,2-Diphenylhydrazine.

1,2-Diphenylhydrazine	122-66-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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1,2-Diphenylhydrazine; alternate <sup>6</sup> standard for wastewaters only	122-66-7	0.087	NA
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U110

Dipropylamine.

Dipropylamine	142-84-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U111

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Di-n-propylnitrosamine.

Di-n-propylnitrosamine	621-64-7	0.40	14
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U112

Ethyl acetate.

Ethyl acetate	141-78-6	0.34	33
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U113

Ethyl acrylate.

Ethyl acrylate	140-88-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U114

Ethylenebisdithiocarbamic acid salts and esters.

Ethylenebisdithiocarbamic acid	111-54-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U115

Ethylene oxide.

Ethylene oxide	75-21-8	(WETOX or CHOXD) fb CARBN; or CMBST	CHOXD; or CMBST
Ethylene oxide; alternate <sup>6</sup> standard for wastewaters only	75-21-8	0.12	NA

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

U116

Ethylene thiourea.

Ethylene thiourea	96-45-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U117

Ethyl ether.

Ethyl ether	60-29-7	0.12	160
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U118

Ethyl methacrylate.

Ethyl methacrylate	97-63-2	0.14	160
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U119

Ethyl methane sulfonate.

Ethyl methane sulfonate	62-50-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U120

Fluoranthene.

Fluoranthene	206-44-0	0.068	3.4
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U121

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Trichloromonofluoromethane.

Trichloromonofluoromethane	75-69-4	0.020	30
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U122

Formaldehyde.

Formaldehyde	50-00-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U123

Formic acid.

Formic acid	64-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U124

Furan.

Furan	110-00-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U125

Furfural.

Furfural	98-01-1	(WETOX or CHOXD) fb	CMBST
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

		CARBN; or CMBST	
U126			
Glycidylaldehyde.			
Glycidylaldehyde	765-34-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U127			
Hexachlorobenzene.			
Hexachlorobenzene	118-74-1	0.055	10
U128			
Hexachlorobutadiene.			
Hexachlorobutadiene	87-68-3	0.055	5.6
U129			
Lindane.			
$\alpha$ -BHC	319-84-6	0.00014	0.066
$\beta$ -BHC	319-85-7	0.00014	0.066
$\delta$ -BHC	319-86-8	0.023	0.066
$\gamma$ -BHC (Lindane)	58-89-9	0.0017	0.066
U130			
Hexachlorocyclopentadiene.			
Hexachlorocyclopentadiene	77-47-4	0.057	2.4

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

U131

Hexachloroethane.

Hexachloroethane	67-72-1	0.055	30
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U132

Hexachlorophene.

Hexachlorophene	70-30-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U133

Hydrazine.

Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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U134

Hydrogen fluoride.

Fluoride (measured in wastewaters only)	7664-39-3	35	ADGAS fb NEUTR; or NEUTR
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U135

Hydrogen sulfide.

Hydrogen sulfide	7783-06-4	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U136

Cacodylic acid.

Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
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U137

Indeno(1,2,3-cd)pyrene.

Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
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U138

Iodomethane.

Iodomethane	74-88-4	0.19	65
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U140

Isobutyl alcohol.

Isobutyl alcohol	78-83-1	5.6	170
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U141

Isosafrole.

Isosafrole	120-58-1	0.081	2.6
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U142

Kepone.

Kepone	143-50-8	0.0011	0.13
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U143

Lasiocarpine.

Lasiocarpine	303-34-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U144

Lead acetate.

Lead	7439-92-1	0.69	0.75 mg/l TCLP
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U145

Lead phosphate.

Lead	7439-92-1	0.69	0.75 mg/l TCLP
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U146

Lead subacetate.

Lead	7439-92-1	0.69	0.75 mg/l TCLP
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U147

Maleic anhydride.

Maleic anhydride	108-31-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U148

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Maleic hydrazide.

Maleic hydrazide	123-33-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U149

Malononitrile.

Malononitrile	109-77-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U150

Melphalan.

Melphalan	148-82-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U151

U151 (mercury) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.

Mercury	7439-97-6	NA	RMERC
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U151

U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are residues from RMERC only.

Mercury	7439-97-6	NA	0.20 mg/ℓ TCLP
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~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U151

U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are not residues from RMERC only.

Mercury	7439-97-6	NA	0.025 mg/l TCLP
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U151

All U151 (mercury) wastewater.

Mercury	7439-97-6	0.15	NA
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U151

Elemental Mercury Contaminated with Radioactive Materials.

Mercury	7439-97-6	NA	AMLGM
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U152

Methacrylonitrile.

Methacrylonitrile	126-98-7	0.24	84
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U153

Methanethiol.

Methanethiol	74-93-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U154

Methanol.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Methanol	67-56-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
Methanol; alternate <sup>6</sup> set of standards for both wastewaters and nonwastewaters	67-56-1	5.6	0.75 mg/l TCLP
U155			
Methapyrilene.			
Methapyrilene	91-80-5	0.081	1.5
U156			
Methyl chlorocarbonate.			
Methyl chlorocarbonate	79-22-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U157			
3-Methylcholanthrene.			
3-Methylcholanthrene	56-49-5	0.0055	15
U158			
4,4'-Methylene bis(2-chloroaniline).			
4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
U159			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Methyl ethyl ketone.

Methyl ethyl ketone	78-93-3	0.28	36
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U160

Methyl ethyl ketone peroxide.

Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
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U161

Methyl isobutyl ketone.

Methyl isobutyl ketone	108-10-1	0.14	33
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U162

Methyl methacrylate.

Methyl methacrylate	80-62-6	0.14	160
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U163

N-Methyl-N'-nitro-N-nitrosoguanidine.

N-Methyl-N'-nitro-N-nitrosoguanidine	70-25-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U164

Methylthiouracil.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Methylthiouracil	56-04-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U165			
Naphthalene.			
Naphthalene	91-20-3	0.059	5.6
U166			
1,4-Naphthoquinone.			
1,4-Naphthoquinone	130-15-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U167			
1-Naphthylamine.			
1-Naphthylamine	134-32-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U168			
2-Naphthylamine.			
2-Naphthylamine	91-59-8	0.52	CMBST
U169			
Nitrobenzene.			

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Nitrobenzene	98-95-3	0.068	14
U170			
p-Nitrophenol.			
p-Nitrophenol	100-02-7	0.12	29
U171			
2-Nitropropane.			
2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U172			
N-Nitrosodi-n-butylamine.			
N-Nitrosodi-n-butylamine	924-16-3	0.40	17
U173			
N-Nitrosodiethanolamine.			
N-Nitrosodiethanolamine	1116-54-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U174			
N-Nitrosodiethylamine.			
N-Nitrosodiethylamine	55-18-5	0.40	28

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

U176

N-Nitroso-N-ethylurea.

N-Nitroso-N-ethylurea	759-73-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U177

N-Nitroso-N-methylurea.

N-Nitroso-N-methylurea	684-93-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U178

N-Nitroso-N-methylurethane.

N-Nitroso-N-methylurethane	615-53-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U179

N-Nitrosopiperidine.

N-Nitrosopiperidine	100-75-4	0.013	35
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U180

N-Nitrosopyrrolidine.

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

N-Nitrosopyrrolidine	930-55-2	0.013	35
U181			
5-Nitro-o-toluidine.			
5-Nitro-o-toluidine	99-55-8	0.32	28
U182			
Paraldehyde.			
Paraldehyde	123-63-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U183			
Pentachlorobenzene.			
Pentachlorobenzene	608-93-5	0.055	10
U184			
Pentachloroethane.			
Pentachloroethane	76-01-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
Pentachloroethane; alternate <sup>6</sup> standards for both wastewaters and nonwastewaters	76-01-7	0.055	6.0
U185			
Pentachloronitrobenzene.			

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Pentachloronitrobenzene	82-68-8	0.055	4.8
U186			
1,3-Pentadiene.			
1,3-Pentadiene	504-60-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U187			
Phenacetin.			
Phenacetin	62-44-2	0.081	16
U188			
Phenol.			
Phenol	108-95-2	0.039	6.2
U189			
Phosphorus sulfide.			
Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
U190			
Phthalic anhydride.			
Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
U191			
2-Picoline.			
2-Picoline	109-06-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U192			
Pronamide.			
Pronamide	23950-58-5	0.093	1.5
U193			
1,3-Propane sultone.			
1,3-Propane sultone	1120-71-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U194			
n-Propylamine.			
n-Propylamine	107-10-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U196			

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

Pyridine.

Pyridine	110-86-1	0.014	16
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U197

p-Benzoquinone.

p-Benzoquinone	106-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U200

Reserpine.

Reserpine	50-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U201

Resorcinol.

Resorcinol	108-46-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U203

Safrole.

Safrole	94-59-7	0.081	22
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POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

U204

Selenium dioxide.

Selenium	7782-49-2	0.82	5.7 mg/l TCLP
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U205

Selenium sulfide.

Selenium	7782-49-2	0.82	5.7 mg/l TCLP
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U206

Streptozotocin.

Streptozotocin	18883-66-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U207

1,2,4,5-Tetrachlorobenzene.

1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
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U208

1,1,1,2-Tetrachloroethane.

1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
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U209

1,1,2,2-Tetrachloroethane.

1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0
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U210

Tetrachloroethylene.

Tetrachloroethylene	127-18-4	0.056	6.0
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U211

Carbon tetrachloride.

Carbon tetrachloride	56-23-5	0.057	6.0
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U213

Tetrahydrofuran.

Tetrahydrofuran	109-99-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U214

Thallium (I) acetate.

Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
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U215

Thallium (I) carbonate.

Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
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U216

POLLUTION CONTROL BOARD

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Thallium (I) chloride.

Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
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U217

Thallium (I) nitrate.

Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
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U218

Thioacetamide.

Thioacetamide	62-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U219

Thiourea.

Thiourea	62-56-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U220

Toluene.

Toluene	108-88-3	0.080	10
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U221

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Toluenediamine.

Toluenediamine	25376-45-8	CARBN; or CMBST	CMBST
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U222

o-Toluidine hydrochloride.

o-Toluidine hydrochloride	636-21-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U223

Toluene diisocyanate.

Toluene diisocyanate	26471-62-5	CARBN; or CMBST	CMBST
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U225

Bromoform (Tribromomethane).

Bromoform (Tribromomethane)	75-25-2	0.63	15
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U226

1,1,1-Trichloroethane.

1,1,1-Trichloroethane	71-55-6	0.054	6.0
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U227

1,1,2-Trichloroethane.

1,1,2-Trichloroethane	79-00-5	0.054	6.0
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U228

Trichloroethylene.

Trichloroethylene	79-01-6	0.054	6.0
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U234

1,3,5-Trinitrobenzene.

1,3,5-Trinitrobenzene	99-35-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U235

tris-(2,3-Dibromopropyl)-phosphate.

tris-(2,3-Dibromopropyl)-phosphate	126-72-7	0.11	0.10
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U236

Trypan Blue.

Trypan Blue	72-57-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U237

Uracil mustard.

Uracil mustard	66-75-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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~~POLLUTION CONTROL BOARD~~

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U238

Urethane (Ethyl carbamate).

Urethane (Ethyl carbamate)	51-79-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U239

Xylenes.

Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
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U240

2,4-D (2,4-Dichlorophenoxyacetic acid).

2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
2,4-D (2,4-Dichlorophenoxyacetic acid) salts and esters	NA	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

U243

Hexachloropropylene.

Hexachloropropylene	1888-71-7	0.035	30
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U244

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Thiram.

Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U246

Cyanogen bromide.

Cyanogen bromide	506-68-3	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
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U247

Methoxychlor.

Methoxychlor	72-43-5	0.25	0.18
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U248

Warfarin, & salts, when present at concentrations of 0.3 percent or less.

Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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U249

Zinc phosphide,  $Zn_3P_2$ , when present at concentrations of 10 percent or less.

Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
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U271

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Benomyl.<sup>10</sup>

Benomyl	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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U278

Bendiocarb.<sup>10</sup>

Bendiocarb	22781-23-3	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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U279

Carbaryl.<sup>10</sup>

Carbaryl	63-25-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
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U280

Barban.<sup>10</sup>

Barban	101-27-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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U328

o-Toluidine.

o-Toluidine	95-53-4	CMBST; or CHOXD fb (BIODG or	CMBST
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CARBN); or  
BIODG fb  
CARBN

U353

p-Toluidine.

p-Toluidine

106-49-0

CMBST; or  
CHOXD fb  
(BIODG or  
CARBN); or  
BIODG fb  
CARBN

CMBST

U359

2-Ethoxyethanol.

2-Ethoxyethanol

110-80-5

CMBST; or  
CHOXD fb  
(BIODG or  
CARBN); or  
BIODG fb  
CARBN

CMBST

U364

Bendiocarb phenol.<sup>10</sup>

Bendiocarb phenol

22961-82-6

0.056; or CMBST,  
CHOXD, BIODG  
or CARBN

1.4; or CMBST

U367

Carbofuran phenol.<sup>10</sup>

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Carbofuran phenol	1563-38-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U372 Carbendazim. <sup>10</sup>			
Carbendazim	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U373 Propham. <sup>10</sup>			
Propham	122-42-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U387 Prosulfocarb. <sup>10</sup>			
Prosulfocarb	52888-80-9	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U389 Triallate. <sup>10</sup>			
Triallate	2303-17-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U394			

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~~A2213:~~<sup>10</sup> A2213

30558-43-1

0.042; or CMBST,  
CHOXD, BIODG  
or CARBN

1.4; or CMBST

U395

Diethylene glycol, dicarbamate.<sup>10</sup>

Diethylene glycol, dicarbamate

5952-26-1

0.056; or CMBST,  
CHOXD, BIODG  
or CARBN

1.4; or CMBST

U404

Triethylamine.<sup>10</sup>

Triethylamine

~~101-44-8~~  
121-44-8  
[101-44-8](#)

0.081; or CMBST,  
CHOXD, BIODG  
or CARBN

1.5; or CMBST

U409

Thiophanate-methyl.<sup>10</sup>

Thiophanate-methyl

23564-05-8

0.056; or CMBST,  
CHOXD, BIODG  
or CARBN

1.4; or CMBST

U410

Thiodicarb.<sup>10</sup>

Thiodicarb

59669-26-0

0.019; or CMBST,  
CHOXD, BIODG  
or CARBN

1.4; or CMBST

U411

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Propoxur.<sup>10</sup>

Propoxur	114-26-1	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
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Notes:

- 1 The waste descriptions provided in this table do not replace waste descriptions in 35 Ill. Adm. Code 721. Descriptions of Treatment or Regulatory Subcategories are provided, as needed, to distinguish between applicability of different standards.
- 2 CAS No. means Chemical Abstract Services. When the waste code or regulated constituents are described as a combination of a chemical with its salts or esters, the CAS No. number is given for the parent compound only.
- 3 Concentration standards for wastewaters are expressed in mg/ℓ and are based on analysis of composite samples.
- 4 All treatment standards expressed as a Technology Code or combination of Technology Codes are explained in detail in Table C of this Part, "Technology Codes and Descriptions of Technology-Based Standards." "fb" inserted between waste codes denotes "followed by," so that the first-listed treatment is followed by the second-listed treatment. A semicolon (;) separates alternative treatment schemes.
- 5 Except for Metals (EP or TCLP) and Cyanides (Total and Amenable), the nonwastewater treatment standards expressed as a concentration were established, in part, based on incineration in units operated in accordance with the technical requirements of Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm. Code 725 or based on combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatment standards according to provisions in Section 728.140(d). All concentration standards for nonwastewaters are based on analysis of grab samples.
- 6 Where an alternate treatment standard or set of alternate standards has been indicated, a facility may comply with this alternate standard, but only for the Treatment or Regulatory

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Subcategory or physical form (i.e., wastewater or nonwastewater) specified for that alternate standard.

- 7 Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 9010C or 9012B, in "Test Methods for Evaluating Solid Waste, Physical or Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a), with a sample size of 10 grams and a distillation time of one hour and 15 minutes.
- 8 These wastes, when rendered non-hazardous and then subsequently managed in CWA or CWA-equivalent systems, are not subject to treatment standards. (See Section 728.101(c)(3) and (c)(4).)
- 9 These wastes, when rendered non-hazardous and then subsequently injected in a Class I SDWA well, are not subject to treatment standards. (See 35 Ill. Adm. Code 738.101(d).)
- 10 The treatment standard for this waste may be satisfied by either meeting the constituent concentrations in the table in this Section or by treating the waste by the specified technologies: combustion, as defined by the technology code CMBST at Table C for nonwastewaters; and biodegradation, as defined by the technology code BIODG; carbon adsorption, as defined by the technology code CARBN; chemical oxidation, as defined by the technology code CHOXD; or combustion, as defined as technology code CMBST, at Table C, for wastewaters.
- 11 For these wastes, the definition of CMBST is limited to any of the following that have obtained a determination of equivalent treatment under Section 728.142(b): (1) combustion units operating under 35 Ill. Adm. Code 726, (2) combustion units permitted under Subpart O of 35 Ill. Adm. Code 724, or (3) combustion units operating under Subpart O of 35 Ill. Adm. Code 725.
- 12 Disposal of USEPA hazardous waste number K175 waste that has complied with all applicable Section 728.140 treatment standards must also be macroencapsulated in accordance with Table F of this Part, unless the waste is placed in either of the following types of facilities:
  - a) A RCRA Subtitle C monofill containing only K175 wastes that meet all applicable 40 CFR 268.40 treatment standards; or

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- b) A dedicated RCRA Subtitle C landfill cell in which all other wastes being co-disposed are at  $\text{pH} \leq 6.0$ .

BOARD NOTE: Derived from table to 40 CFR 268.40 (~~2011~~)(2015)(2011).

NA means not applicable.

(Source: Amended at 40 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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