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3 CHAPTER I: POLLUTION CONTROL BOARD  
4 SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS  
5

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94  
 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].  
 97

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 104 withdrawn at 15 Ill.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. \_\_\_\_\_, effective \_\_\_\_\_.  
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123 SUBPART A: GENERAL

124  
 125 **Section 728.102 Definitions**

126  
 127 When used in this Part, the following terms have the meanings given below. All other terms  
 128 have the meanings given under 35 Ill. Adm. Code 702.110, 720.110, or 721.102 through  
 129 721.104.

130  
131 "Agency" means the Illinois Environmental Protection Agency.  
132  
133 "Board" means the Illinois Pollution Control Board.  
134  
135 "CERCLA" means the Comprehensive Environmental Response, Compensation,  
136 and Liability Act of 1980 (42 USC 9601 et seq.)  
137  
138 "Debris" means solid material exceeding a 60 mm particle size that is intended for  
139 disposal and that is: a manufactured object; plant or animal matter; or natural  
140 geologic material. However, the following materials are not debris: any material  
141 for which a specific treatment standard is provided in Subpart D of this Part,  
142 namely lead acid batteries, cadmium batteries, and radioactive lead solids; process  
143 residuals, such as smelter slag and residues from the treatment of waste,  
144 wastewater, sludges, or air emission residues; and intact containers of hazardous  
145 waste that are not ruptured and that retain at least 75 percent of their original  
146 volume. A mixture of debris that has not been treated to the standards provided  
147 by Section 728.145 of this Part and other material is subject to regulation as  
148 debris if the mixture is comprised primarily of debris, by volume, based on visual  
149 inspection.  
150  
151 ~~"End of pipe" refers to the point where effluent is discharged to the environment.~~  
152  
153 "Halogenated organic compounds" or "HOCs" means those compounds having a  
154 carbon-halogen bond that are listed under Appendix C of this Part.  
155  
156 "Hazardous constituent or constituents" means those constituents listed in  
157 Appendix H to 35 Ill. Adm. Code 721.  
158  
159 "Hazardous debris" means debris that contains a hazardous waste listed in Subpart  
160 D of 35 Ill. Adm. Code 721 or that exhibits a characteristic of hazardous waste  
161 identified in Subpart C of 35 Ill. Adm. Code 721. Any deliberate mixing of  
162 prohibited waste with debris that changes its treatment classification (i.e., from  
163 waste to hazardous debris) is not allowed under the dilution prohibition in Section  
164 728.103.  
165  
166 "Inorganic metal-bearing waste" is one for which USEPA has established  
167 treatment standards for metal hazardous constituents that does not otherwise  
168 contain significant organic or cyanide content, as described in Section  
169 728.103(b)(1), and which is specifically listed in Appendix K of this Part.  
170  
171 "Land disposal" means placement in or on the land, except in a corrective action  
172 management unit or staging pile, and "land disposal" includes, but is not limited

173 to, placement in a landfill, surface impoundment, waste pile, injection well, land  
174 treatment facility, salt dome formation, salt bed formation, underground mine or  
175 cave, or placement in a concrete vault or bunker intended for disposal purposes.  
176

177 "Land disposal restriction" or "LDR" is a restriction imposed on the land disposal  
178 of a hazardous waste pursuant to this Part or 40 CFR 738. The land disposal of  
179 hazardous waste is generally prohibited, except where the activity constituting  
180 land disposal is specifically allowed, pursuant to this Part or 40 CFR 738.

181 BOARD NOTE: The Board added this definition based on the preamble  
182 discussions at 51 Fed. Reg. 40572, 40573-74 (November 7, 1986) and 53 Fed.  
183 Reg. 28118, 28119-20 (July 26, 1988). The USEPA publication "Terms of  
184 Environment Glossary, Abbreviations, and Acronyms" (December 1997),  
185 USEPA, Communications, Education, and Public Affairs, EPA 175/B-97-001,  
186 defines "land disposal restrictions" as follows: "Rules that require hazardous  
187 wastes to be treated before disposal on land to destroy or immobilize hazardous  
188 constituents that might migrate into soil and ground water."  
189

190 "Nonwastewaters" are wastes that do not meet the criteria for "wastewaters" in  
191 this Section.  
192

193 "Polychlorinated biphenyls" or "PCBs" are halogenated organic compounds  
194 defined in accordance with federal 40 CFR 761.3 (Definitions), incorporated by  
195 reference in 35 Ill. Adm. Code 720.111(b).  
196

197 "ppm" means parts per million.  
198

199 "RCRA corrective action" means corrective action taken under 35 Ill. Adm. Code  
200 724.200 or 725.193, federal 40 CFR 264.100 or 265.93, or similar regulations in  
201 other states with RCRA programs authorized by USEPA pursuant to 40 CFR 271.  
202

203 "Soil" means unconsolidated earth material composing the superficial geologic  
204 strata (material overlying bedrock), consisting of clay, silt, sand, or gravel size  
205 particles, as classified by the United States Natural Resources Conservation  
206 Service, or a mixture of such materials with liquids, sludges, or solids that is  
207 inseparable by simple mechanical removal processes and which is made up  
208 primarily of soil by volume based on visual inspection. Any deliberate mixing of  
209 prohibited waste with debris that changes its treatment classification (i.e., from  
210 waste to hazardous debris) is not allowed under the dilution prohibition in Section  
211 728.103.  
212

213 ~~"Stormwater impoundments" are surface impoundments that receive wet weather~~  
214 ~~flow and which receive process waste only during wet weather events.~~  
215

216 "Underlying hazardous constituent" means any constituent listed in Table U of  
217 this Part, "Universal Treatment Standards (UTS)," except fluoride, selenium,  
218 sulfides, vanadium, and zinc, that can reasonably be expected to be present at the  
219 point of generation of the hazardous waste at a concentration above the  
220 constituent-specific UTS treatment standard.

221  
222 "USEPA" or "U.S. EPA" means the United States Environmental Protection  
223 Agency.

224  
225 "Wastewaters" are wastes that contain less than one percent by weight total  
226 organic carbon (TOC) and less than one percent by weight total suspended solids  
227 (TSS).

228  
229 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
230

231 **Section 728.104 Treatment Surface Impoundment Exemption**  
232

- 233 a) Wastes that are otherwise prohibited from land disposal under this Part may be  
234 treated in a surface impoundment or series of impoundments provided that all of  
235 the following conditions are fulfilled:  
236
- 237 1) Treatment of such wastes occurs in the impoundments;  
238
  - 239 2) The following conditions are met:  
240
- 241 A) Sampling and testing. For wastes with treatment standards in  
242 Subpart D or prohibition levels in Subpart C, the residues from  
243 treatment are analyzed, as specified in Section 728.107 or 728.132,  
244 to determine if they meet the applicable treatment standards or,  
245 where no treatment standards have been established for the waste,  
246 the applicable prohibition levels. The sampling method, specified  
247 in the waste analysis plan under 35 Ill. Adm. Code, 724.113 or  
248 725.113, must be designed such that representative samples of the  
249 sludge and the supernatant are tested separately rather than mixed  
250 to form homogeneous samples.  
251
  - 252 B) Removal. The following treatment residues (including any liquid  
253 waste) must be removed at least annually: residues that do not  
254 meet the treatment standards promulgated under Subpart D of this  
255 Part; residues that do not meet the prohibition levels established  
256 under Subpart C of this Part or imposed by federal statute (where  
257 no treatment standards have been established); residues that are  
258 from the treatment of wastes prohibited from land disposal under

- 259 Subpart C of this Part (where no treatment standards have been  
260 established and no prohibition levels apply); or residues from  
261 managing listed wastes that are not delisted under 35 Ill. Adm.  
262 Code 720.122. If the volume of liquid flowing through the  
263 impoundment or series of impoundments annually is greater than  
264 the volume of the impoundment or impoundments, this flow-  
265 through constitutes removal of the supernatant for the purpose of  
266 this requirement.  
267
- 268 C) Subsequent management. Treatment residues must not be placed  
269 in any other surface impoundment for subsequent management.  
270
- 271 D) Recordkeeping. Sampling, testing, and recordkeeping provisions  
272 of 35 Ill. Adm. Code 724.113 or 725.113 apply;  
273
- 274 3) The impoundment meets the design requirements of 35 Ill. Adm. Code  
275 724.321(c) or 725.321(a) even though the unit may not be new, expanded  
276 or a replacement, and must be in compliance with applicable groundwater  
277 monitoring requirements of Subpart F of 35 Ill. Adm. Code 724 or Subpart  
278 F of 35 Ill. Adm. Code ~~725~~this Part, unless any of the following conditions  
279 is fulfilled:  
280
- 281 A) The impoundment is exempted pursuant to 35 Ill. Adm. Code  
282 724.321(d) or (e), or to 35 Ill. Adm. Code 725.321(c) or (d);  
283
- 284 B) Upon application by the owner or operator, the Agency has by  
285 permit provided that the requirements of this Part do not apply on  
286 the basis that the surface impoundment fulfills all of the following  
287 conditions:  
288
- 289 i) The impoundment has at least one liner, for which there is  
290 no evidence that such liner is leaking;  
291
- 292 ii) The impoundment is located more than one-quarter mile  
293 from an underground source of drinking water; and  
294
- 295 iii) The impoundment is in compliance with generally  
296 applicable groundwater monitoring requirements for  
297 facilities with permits; or  
298
- 299 C) Upon application by the owner or operator, the Board has, pursuant  
300 to Subpart D of 35 Ill. Adm. Code 104, granted an adjusted  
301 standard from the requirements of this Part. The justification for

302 such an adjusted standard must be a demonstration that the surface  
303 impoundment is located, designed, and operated so as to assure  
304 that there will be no migration of any hazardous constituent into  
305 groundwater or surface water at any future time; and  
306

- 307 4) The owner or operator submits to the Agency a written certification that  
308 the requirements of subsection (a)(3) of this Section have been met. The  
309 following certification is required:  
310

311 I certify under penalty of law that the requirements of 35 Ill. Adm.  
312 Code 728.104(a)(3) have been met for all surface impoundments  
313 being used to treat restricted wastes. I believe that the submitted  
314 information is true, accurate, and complete. I am aware that there  
315 are significant penalties for submitting false information, including  
316 the possibility of fine and imprisonment.  
317

- 318 b) Evaporation of hazardous constituents as the principal means of treatment is not  
319 considered to be a treatment for purposes of an exemption under this Section.  
320

321 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
322

323 **Section 728.107 Testing, Tracking, and Recordkeeping Requirements for Generators,**  
324 **Treaters, and Disposal Facilities**  
325

- 326 a) Requirements for generators.  
327

- 328 1) A generator of a hazardous waste must determine if the waste has to be  
329 treated before it can be land disposed. This is done by determining if the  
330 hazardous waste meets the treatment standards in Section 728.140,  
331 728.145, or 728.149. This determination can be made concurrently with  
332 the hazardous waste determination required in 35 Ill. Adm. Code 722.111,  
333 in either of two ways: testing the waste or using knowledge of the waste.  
334 If the generator tests the waste, testing determines the total concentration  
335 of hazardous constituents or the concentration of hazardous constituents in  
336 an extract of the waste obtained using Method 1311 (Toxicity  
337 Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid  
338 Waste, Physical/Chemical Methods," USEPA publication number EPA-  
339 530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a),  
340 depending on whether the treatment standard for the waste is expressed as  
341 a total concentration or concentration of hazardous constituent in the waste  
342 extract. (Alternatively, the generator must send the waste to a RCRA-  
343 permitted hazardous waste treatment facility, where the waste treatment  
344 facility must comply with the requirements of 35 Ill. Adm. Code 724.113



345 and subsection (b) of this Section.) In addition, some hazardous wastes  
 346 must be treated by particular treatment methods before they can be land  
 347 disposed and some soils are contaminated by such hazardous wastes.  
 348 These treatment standards are also found in Section 728.140 and Table T  
 349 of this Part, and are described in detail in Table C of this Part. These  
 350 wastes and soils contaminated with such wastes do not need to be tested  
 351 (however, if they are in a waste mixture, other wastes with concentration  
 352 level treatment standards must be tested). If a generator determines that it  
 353 is managing a waste or soil contaminated with a waste that displays a  
 354 hazardous characteristic of ignitability, corrosivity, reactivity, or toxicity,  
 355 the generator must comply with the special requirements of Section  
 356 728.109 in addition to any applicable requirements in this Section.  
 357

358 2) If the waste or contaminated soil does not meet the treatment standard or if  
 359 the generator chooses not to make the determination of whether its waste  
 360 must be treated, the generator must send a one-time written notice to each  
 361 treatment or storage facility receiving the waste with the initial shipment  
 362 of waste to each treatment or storage facility, and the generator must place  
 363 a copy of the one-time notice in the file. The notice must include the  
 364 information in column "728.107(a)(2)" of the Generator Paperwork  
 365 Requirements Table in Table I of this Part. (Alternatively, if the generator  
 366 chooses not to make the determination of whether the waste must be  
 367 treated, the notification must include the USEPA hazardous waste  
 368 numbers and manifest number of the first shipment, and it must include  
 369 the following statement: "This hazardous waste may or may not be  
 370 subject to the LDR treatment standards. The treatment facility must make  
 371 the determination.") No further notification is necessary until such time  
 372 that the waste or facility changes, in which case a new notification must be  
 373 sent and a copy placed in the generator's file.  
 374

375 A) ~~For contaminated soil, the following certification statement should~~  
 376 ~~be included, signed by an authorized representative:~~  
 377

378 I certify under penalty of law that I personally have  
 379 examined this contaminated soil and it (does/does not)  
 380 contain listed hazardous waste and (does/does not) exhibit a  
 381 characteristic of hazardous waste and requires treatment to  
 382 meet the soil treatment standards as provided by 35 Ill.  
 383 Adm. Code 728.149(c).  
 384

385 B) ~~This subsection (a)(2)(B) corresponds with 40 CFR 268.7(a)(2)(ii),~~  
 386 ~~which is marked "reserved" by USEPA. This statement maintains~~  
 387 ~~structural consistency with USEPA rules.~~

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- 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.
- 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

431 exempt, then with the initial shipment of waste, the generator must send a  
432 one-time written notice to each land disposal facility receiving the waste.  
433 The notice must include the information indicated in column  
434 "728.107(a)(4)" of the Generator Paperwork Requirements Table in Table  
435 I of this Part. If the waste changes, the generator must send a new notice  
436 to the receiving facility, and place a copy in its file.  
437

- 438 5) If a generator is managing and treating prohibited waste or contaminated  
439 soil in tanks, containers, or containment buildings regulated under 35 Ill.  
440 Adm. Code 722.134 to meet applicable LDR treatment standards found at  
441 Section 728.140, the generator must develop and follow a written waste  
442 analysis plan that describes the procedures it will carry out to comply with  
443 the treatment standards. (Generators treating hazardous debris under the  
444 alternative treatment standards of Table F of this Part, however, are not  
445 subject to these waste analysis requirements.) The plan must be kept on  
446 site in the generator's records, and the following requirements must be  
447 met:  
448
- 449 A) The waste analysis plan must be based on a detailed chemical and  
450 physical analysis of a representative sample of the prohibited  
451 wastes being treated, and contain all information necessary to treat  
452 the wastes in accordance with the requirements of this Part,  
453 including the selected testing frequency;  
454
  - 455 B) Such plan must be kept in the facility's on-site files and made  
456 available to inspectors; and  
457
  - 458 C) Wastes shipped off-site pursuant to this subsection (a)(5) of this  
459 Section must comply with the notification requirements of  
460 subsection (a)(3) of this Section.  
461
- 462 6) If a generator determines that the waste or contaminated soil is restricted  
463 based solely on its knowledge of the waste, all supporting data used to  
464 make this determination must be retained on-site in the generator's files. If  
465 a generator determines that the waste is restricted based on testing this  
466 waste or an extract developed using Method 1311 (Toxicity Characteristic  
467 Leaching Procedure) in "Test Methods for Evaluating Solid Waste,  
468 Physical/Chemical Methods," USEPA publication number EPA-530/SW-  
469 846, all waste analysis data must be retained on-site in the generator's  
470 files.  
471
- 472 7) If a generator determines that it is managing a prohibited waste that is  
473 excluded from the definition of hazardous or solid waste or which is

474 exempt from Subtitle C regulation under 35 Ill. Adm. Code 721.102  
 475 through 721.106 subsequent to the point of generation (including  
 476 deactivated characteristic hazardous wastes that are managed in  
 477 wastewater treatment systems subject to the CWA, as specified at 35 Ill.  
 478 Adm. Code 721.104(a)(2); that are CWA-equivalent; or that are managed  
 479 in an underground injection well regulated under 35 Ill. Adm. Code 730),  
 480 the generator must place a one-time notice stating such generation,  
 481 subsequent exclusion from the definition of hazardous or solid waste or  
 482 exemption from RCRA Subtitle C regulation, and the disposition of the  
 483 waste in the generating facility's on-site file.  
 484

485 8) A generator must retain a copy of all notices, certifications, waste analysis  
 486 data, and other documentation produced pursuant to this Section on-site  
 487 for at least three years from the date that the waste that is the subject of  
 488 such documentation was last sent to on-site or off-site treatment, storage,  
 489 or disposal. The three-year record retention period is automatically  
 490 extended during the course of any unresolved enforcement action  
 491 regarding the regulated activity or as requested by the Agency. The  
 492 requirements of this subsection (a)(8) apply to solid wastes even when the  
 493 hazardous characteristic is removed prior to disposal, or when the waste is  
 494 excluded from the definition of hazardous or solid waste under 35 Ill.  
 495 Adm. Code 721.102 through 721.106, or exempted from RCRA Subtitle C  
 496 regulation, subsequent to the point of generation.  
 497

498 9) If a generator is managing a lab pack containing hazardous wastes and  
 499 wishes to use the alternative treatment standard for lab packs found at  
 500 Section 728.142(c), the generator must fulfill the following conditions:  
 501

502 A) With the initial shipment of waste to a treatment facility, the  
 503 generator must submit a notice that provides the information in  
 504 column "Section 728.107(a)(9)" in the Generator Paperwork  
 505 Requirements Table of Table I of this Part and the following  
 506 certification. The certification, which must be signed by an  
 507 authorized representative and must be placed in the generator's  
 508 files, must say the following:  
 509

510 I certify under penalty of law that I personally have  
 511 examined and am familiar with the waste and that the lab  
 512 pack contains only wastes that have not been excluded  
 513 under Appendix D to 35 Ill. Adm. Code 728 and that this  
 514 lab pack will be sent to a combustion facility in compliance  
 515 with the alternative treatment standards for lab packs at 35  
 516 Ill. Adm. Code 728.142(c). I am aware that there are

517 significant penalties for submitting a false certification,  
518 including the possibility of fine or imprisonment.  
519

520 B) No further notification is necessary until such time as the wastes in  
521 the lab pack change, or the receiving facility changes, in which  
522 case a new notice and certification must be sent and a copy placed  
523 in the generator's file.  
524

525 C) If the lab pack contains characteristic hazardous wastes (D001-  
526 D043), underlying hazardous constituents (as defined in Section  
527 728.102(i)) need not be determined.  
528

529 D) The generator must also comply with the requirements in  
530 subsections (a)(6) and (a)(7) of this Section.  
531

532 10) Small quantity generators with tolling agreements pursuant to 35 Ill. Adm.  
533 Code 722.120(e) must comply with the applicable notification and  
534 certification requirements of subsection (a) of this Section for the initial  
535 shipment of the waste subject to the agreement. Such generators must  
536 retain on-site a copy of the notification and certification, together with the  
537 tolling agreement, for at least three years after termination or expiration of  
538 the agreement. The three-year record retention period is automatically  
539 extended during the course of any unresolved enforcement action  
540 regarding the regulated activity or as requested by the Agency.  
541

542 b) The owner or operator of a treatment facility must test its wastes according to the  
543 frequency specified in its waste analysis plan, as required by 35 Ill. Adm. Code  
544 724.113 (for permitted TSDs) or 725.113 (for interim status facilities). Such  
545 testing must be performed as provided in subsections (b)(1), (b)(2), and (b)(3) of  
546 this Section.  
547

548 1) For wastes or contaminated soil with treatment standards expressed in the  
549 waste extract (TCLP), the owner or operator of the treatment facility must  
550 test an extract of the treatment residues using Method 1311 (Toxicity  
551 Characteristic Leaching Procedure) in "Test Methods for Evaluating Solid  
552 Waste, Physical/Chemical Methods," USEPA publication number EPA-  
553 530/SW-846, to assure that the treatment residues extract meets the  
554 applicable treatment standards.  
555

556 2) For wastes or contaminated soil with treatment standards expressed as  
557 concentrations in the waste, the owner or operator of the treatment facility  
558 must test the treatment residues (not an extract of such residues) to assure  
559 that the treatment residues meet the applicable treatment standards.

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- 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;
    - 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

603 signed by an authorized representative with the initial shipment of waste  
604 or treatment residue of a restricted waste to the land disposal facility. The  
605 certification must state as follows:  
606

607 I certify under penalty of law that I have personally examined and  
608 am familiar with the treatment technology and operation of the  
609 treatment process used to support this certification. Based on my  
610 inquiry of those individuals immediately responsible for obtaining  
611 this information, I believe that the treatment process has been  
612 operated and maintained properly so as to comply with the  
613 treatment standards specified in 35 Ill. Adm. Code 728.140 without  
614 impermissible dilution of the prohibited waste. I am aware there  
615 are significant penalties for submitting a false certification,  
616 including the possibility of fine and imprisonment.  
617

618 A certification is also necessary for contaminated soil and it must state as  
619 follows:  
620

621 I certify under penalty of law that I have personally examined and  
622 am familiar with the treatment technology and operation of the  
623 treatment process used to support this certification and believe that  
624 it has been maintained and operated properly so as to comply with  
625 treatment standards specified in 35 Ill. Adm. Code 728.149 without  
626 impermissible dilution of the prohibited wastes. I am aware there  
627 are significant penalties for submitting a false certification,  
628 including the possibility of fine and imprisonment.  
629

630 A) A copy of the certification must be placed in the treatment facility's  
631 on-site files. If the waste or treatment residue changes, or the  
632 receiving facility changes, a new certification must be sent to the  
633 receiving facility, and a copy placed in the treatment facility's file.  
634

635 B) Debris excluded from the definition of hazardous waste under 35  
636 Ill. Adm. Code ~~721.103(f)~~721.103(e) (i.e., debris treated by an  
637 extraction or destruction technology listed in Table F of this Part  
638 and debris that the Agency has determined does not contain  
639 hazardous waste) is subject to the notification and certification  
640 requirements of subsection (d) of this Section rather than the  
641 certification requirements of this subsection (b)(4).  
642

643 C) For wastes with organic constituents having treatment standards  
644 expressed as concentration levels, if compliance with the treatment  
645 standards is based in part or in whole on the analytical detection

646 limit alternative specified in Section 728.140(d), the certification  
647 must be signed by an authorized representative and must state as  
648 follows:  
649

650 I certify under penalty of law that I have personally  
651 examined and am familiar with the treatment technology  
652 and operation of the treatment process used to support this  
653 certification. Based on my inquiry of those individuals  
654 immediately responsible for obtaining this information, I  
655 believe that the nonwastewater organic constituents have  
656 been treated by combustion units as specified in Table C to  
657 35 Ill. Adm. Code 728. I have been unable to detect the  
658 nonwastewater organic constituents, despite having used  
659 best good faith efforts to analyze for such constituents. I  
660 am aware that there are significant penalties for submitting  
661 a false certification, including the possibility of fine and  
662 imprisonment.  
663

- 664 D) For characteristic wastes that are subject to the treatment standards  
665 in Section 728.140 and Table T of this Part (other than those  
666 expressed as a required method of treatment) or Section 728.149  
667 and which contain underlying hazardous constituents, as defined in  
668 Section 728.102(i); if these wastes are treated on-site to remove the  
669 hazardous characteristic; and that are then sent off-site for  
670 treatment of underlying hazardous constituents, the certification  
671 must state as follows:  
672

673 I certify under penalty of law that the waste has been  
674 treated in accordance with the requirements of 35 Ill. Adm.  
675 Code 728.140 and Table T of Section 728.149 of that Part  
676 to remove the hazardous characteristic. This  
677 decharacterized waste contains underlying hazardous  
678 constituents that require further treatment to meet treatment  
679 standards. I am aware that there are significant penalties  
680 for submitting a false certification, including the possibility  
681 of fine and imprisonment.  
682

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



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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) ~~is not required to notify the receiving facility pursuant to subsection (b)(3) of this Section. With each shipment of such wastes the owner or operator of the recycling facility must submit~~ 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) to the Agency. 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. The ~~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 subsection (a) or (b) of this Section.
  
  - 2) Test the waste or an extract of the waste or treatment residue developed

732 using Method 1311 (Toxicity Characteristic Leaching Procedure) in "Test  
 733 Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 734 USEPA publication number EPA-530/SW-846, to assure that the waste or  
 735 treatment residue is in compliance with the applicable treatment standards  
 736 set forth in Subpart D of this Part. Such testing must be performed  
 737 according to the frequency specified in the facility's waste analysis plan as  
 738 required by 35 Ill. Adm. Code 724.113 or 35 Ill. Adm. Code 725.113.  
 739

740 3) Where the owner or operator is disposing of any waste that is subject to  
 741 the prohibitions under Section 728.133(f) but not subject to the  
 742 prohibitions set forth in Section 728.132, the owner or operator must  
 743 ensure that such waste is the subject of a certification according to the  
 744 requirements of Section 728.108 prior to disposal in a landfill or surface  
 745 impoundment unit, and that such disposal is in accordance with the  
 746 requirements of Section 728.105(h)(2). The same requirement applies to  
 747 any waste that is subject to the prohibitions under Section 728.133(f) and  
 748 also is subject to the statutory prohibitions in the codified prohibitions in  
 749 Section 728.139 or Section 728.132.  
 750

751 4) Where the owner or operator is disposing of any waste that is a recyclable  
 752 material used in a manner constituting disposal subject to the provisions of  
 753 35 Ill. Adm. Code 726.120(b), the owner or operator is not subject to  
 754 subsections (c)(1) through (c)(3) of this Section with respect to such  
 755 waste.  
 756

757 d) A generator or treater that first claims that hazardous debris is excluded from the  
 758 definition of hazardous waste under 35 Ill. Adm. Code ~~721.103(f)~~721.103(e) (i.e.,  
 759 debris treated by an extraction or destruction technology provided by Table F of  
 760 this Part, and debris that has been delisted) is subject to the following notification  
 761 and certification requirements:  
 762

763 1) A one-time notification must be submitted to the Agency including the  
 764 following information:  
 765

766 A) The name and address of the RCRA Subtitle D (municipal solid  
 767 waste landfill) facility receiving the treated debris;  
 768

769 B) A description of the hazardous debris as initially generated,  
 770 including the applicable USEPA hazardous waste numbers; and  
 771

772 C) For debris excluded under 35 Ill. Adm. Code 721.103(e)(1), the  
 773 technology from Table F of this Part used to treat the debris.  
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- 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)~~721.102(e)(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(e)(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 all supporting information; and
  
  - 2) Maintain that information in the facility files and other records for a minimum of three years.

(Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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**Section 728.109 Special Rules for Characteristic Wastes**

- a) The initial generator of a solid waste must determine each USEPA hazardous waste number (waste code) applicable to the waste in order to determine the applicable treatment standards under Subpart D of this Part. This determination may be made concurrently with the hazardous waste determination required in Section 722.111. For purposes of this Part, the waste must carry the waste code for any applicable listing under Subpart D of 35 Ill. Adm. Code 721. In addition, the waste must carry one or more of the waste codes under Subpart C of 35 Ill. Adm. Code 721 where the waste exhibits a characteristic, except in the case when the treatment standard for the listed waste operates in lieu of the treatment standard for the characteristic waste, as specified in subsection (b) of this Section. If the generator determines that its waste displays a characteristic of hazardous waste (and the waste is not D001 nonwastewaters treated by CMBST, RORGS, or POLYM of Table C to this Part), the generator must determine the underlying hazardous constituents (as defined at Section 728.102(i)) in the characteristic waste.
- b) Where a prohibited waste is both listed under Subpart D of 35 Ill. Adm. Code 721 and exhibits a characteristic of hazardous waste under Subpart C of 35 Ill. Adm. Code 721, the treatment standard for the waste code listed in Subpart D of 35 Ill. Adm. Code 721 will operate in lieu of the standard for the waste code under Subpart C of 35 Ill. Adm. Code 721, provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic. Otherwise, the waste must meet the treatment standards for all applicable listed and characteristic waste codes.
- c) In addition to any applicable standards determined from the initial point of generation, no prohibited waste that exhibits a characteristic under Subpart C of 35 Ill. Adm. Code 721 must be land disposed, unless the waste complies with the treatment standards under Subpart D of this Part.
- d) A waste that exhibits a characteristic of hazardous waste under Subpart C of 35 Ill. Adm. Code 721 is also subject to Section 728.107 requirements, except that once the waste is no longer hazardous, a one-time notification and certification must be placed in the generator's or treater's on-site files and sent to the Agency, except for those facilities described in subsection (f) of this Section. The notification and certification that is placed in the generator's or treater's files must be updated if the process or operation generating the waste changes or if the RCRA Subtitle D (municipal solid waste landfill) facility receiving the waste changes. ~~However, the generator or treater need only notify the Agency on an annual basis if such changes occur. Such notification and certification should be~~

861 sent to the Agency by the end of the year, but no later than December 31.  
 862

863 1) The notification must include the following information:  
 864

865 A) The name and address of the RCRA Subtitle D (municipal solid  
 866 waste landfill) facility receiving the waste shipment; and  
 867

868 B) A description of the waste as initially generated, including the  
 869 applicable USEPA hazardous waste numbers, the treatability  
 870 groups, and the underlying hazardous constituents (as defined in  
 871 Section 728.102(i)), unless the waste will be treated and monitored  
 872 for all underlying hazardous constituents. If all underlying  
 873 hazardous constituents will be treated and monitored, there is no  
 874 requirement to list any of the underlying hazardous constituents on  
 875 the notice.  
 876

877 2) The certification must be signed by an authorized representative and must  
 878 state the language found in Section 728.107(b)(4). If treatment removes  
 879 the characteristic but does not meet standards applicable to underlying  
 880 hazardous constituents, then the certification found in Section  
 881 728.107(b)(4)(D) applies.  
 882

883 3) ~~For a characteristic waste whose ultimate disposal will be into a Class I~~  
 884 ~~nonhazardous waste injection well, and for which compliance with the~~  
 885 ~~treatment standards set forth in Section 728.148 and Table U to this Part~~  
 886 ~~for underlying hazardous constituents is achieved through pollution~~  
 887 ~~prevention that meets the criteria set forth at 35 Ill. Adm. Code~~  
 888 ~~738.101(d), the following information must also be included:~~  
 889

890 A) ~~A description of the pollution prevention mechanism and when it~~  
 891 ~~was implemented, if already complete;~~  
 892

893 B) ~~The mass of each underlying hazardous constituent before~~  
 894 ~~pollution prevention;~~  
 895

896 C) ~~The mass of each underlying hazardous constituent that must be~~  
 897 ~~removed, adjusted to reflect variations in mass due to normal~~  
 898 ~~operating conditions; and~~  
 899

900 D) ~~The mass reduction of each underlying hazardous constituent that~~  
 901 ~~is achieved.~~  
 902

903 e) ~~For a decharacterized waste managed on-site in a wastewater treatment system~~

904 subject to the federal Clean Water Act (CWA) or zero dischargers engaged in  
905 CWA equivalent treatment, compliance with the treatment standards set forth in  
906 Section 728.148 and Table D to this Part must be monitored quarterly, unless the  
907 treatment is aggressive biological treatment, in which case compliance must be  
908 monitored annually. Monitoring results must be kept in on-site files for five  
909 years.

910  
911 f) For a decharacterized waste managed on-site in a wastewater treatment system  
912 subject to the federal Clean Water Act (CWA) for which all underlying hazardous  
913 constituents (as defined in Section 728.102) are addressed by a CWA permit, this  
914 compliance must be documented and this documentation must be kept in on-site  
915 files.

916  
917 g) For a characteristic waste whose ultimate disposal will be into a Class I  
918 nonhazardous waste injection well that qualifies for the de-minimis exclusion  
919 described in Section 728.101, information supporting that qualification must be  
920 kept in on-site files.

921  
922 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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

924		
925	Technology	
926	Code	Description of Technology-Based Standard
927		
928	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.
929		
930		
931		
932	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.
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937	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).
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945	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.
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954	CHOXD	Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations or reagents:
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957		1) hypochlorite (e.g., bleach);
958		
959		2) chlorine;
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961		3) chlorine dioxide;
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963		4) ozone or UV (ultraviolet light) assisted ozone;
964		
965		5) peroxides;

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- 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 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.



1008	DEACT	Deactivation to remove the hazardous characteristics of a waste due to its
1009		ignitability, corrosivity, or reactivity.
1010		
1011	FSUBS	Fuel substitution in units operated in accordance with applicable technical
1012		operating requirements.
1013		
1014	HLVIT	Vitrification of high-level mixed radioactive wastes in units in compliance with
1015		all applicable radioactive protection requirements under control of the federal
1016		Nuclear Regulatory Commission.
1017		
1018	IMERC	Incineration of wastes containing organics and mercury in units operated in
1019		accordance with the technical operating requirements of Subpart O of 35 Ill. Adm.
1020		Code 724 or Subpart O of 35 Ill. Adm. Code 725. All wastewater and
1021		nonwastewater residues derived from this process must then comply with the
1022		corresponding treatment standards per waste code with consideration of any
1023		applicable subcategories (e.g., high or low mercury subcategories).
1024		
1025	INCIN	Incineration in units operated in accordance with the technical operating
1026		requirements of Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm.
1027		Code 725.
1028		
1029	LLEXT	Liquid-liquid extraction (often referred to as solvent extraction) of organics from
1030		liquid wastes into an immiscible solvent for which the hazardous constituents
1031		have a greater solvent affinity, resulting in an extract high in organics that must
1032		undergo either incineration, reuse as a fuel, or other recovery or reuse and a
1033		raffinate (extracted liquid waste) proportionately low in organics that must
1034		undergo further treatment as specified in the standard.
1035		
1036	MACRO	Macroencapsulation with surface coating materials such as polymeric organics
1037		(e.g., resins and plastics) or with a jacket of inert inorganic materials to
1038		substantially reduce surface exposure to potential leaching media.
1039		Macroencapsulation specifically does not include any material that would be
1040		classified as a tank or container according to 35 Ill. Adm. Code 720.110.
1041		
1042	NEUTR	Neutralization with the following reagents (or waste reagents) or combinations of
1043		reagents:
1044		
1045		1) acids;
1046		
1047		2) bases; or
1048		
1049		3) water (including wastewaters) resulting in a pH greater than two but less
1050		than 12.5 as measured in the aqueous residuals.

1051		
1052	NLDBR	No land disposal based on recycling.
1053		
1054	POLYM	Formation of complex high-molecular weight solids through polymerization of
1055		monomers in high-TOC D001 nonwastewaters that are chemical components in
1056		the manufacture of plastics.
1057		
1058	PRECP	Chemical precipitation of metals and other inorganics as insoluble precipitates of
1059		oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, fluorides, or
1060		phosphates. The following reagents (or waste reagents) are typically used alone or
1061		in combination:
1062		
1063		1) lime (i.e., containing oxides or hydroxides of calcium or magnesium);
1064		
1065		2) caustic (i.e., sodium or potassium hydroxides);
1066		
1067		3) soda ash (i.e., sodium carbonate);
1068		
1069		4) sodium sulfide;
1070		
1071		5) ferric sulfate or ferric chloride;
1072		
1073		6) alum; or
1074		
1075		7) sodium sulfate. Additional flocculating, coagulation, or similar reagents
1076		or processes that enhance sludge dewatering characteristics are not
1077		precluded from use.
1078		
1079	RBERY	Thermal recovery of beryllium.
1080		
1081	RCGAS	Recovery or reuse of compressed gases including techniques such as reprocessing
1082		of the gases for reuse or resale; filtering or adsorption of impurities; remixing for
1083		direct reuse or resale; and use of the gas as a fuel source.
1084		
1085	RCORR	Recovery of acids or bases utilizing one or more of the following recovery
1086		technologies:
1087		
1088		1) distillation (i.e., thermal concentration);
1089		
1090		2) ion exchange;
1091		
1092		3) resin or solid adsorption;
1093		

- 1094 4) reverse osmosis; or  
 1095  
 1096 5) incineration for the recovery of acid  
 1097  
 1098 Note: this does not preclude the use of other physical phase separation or  
 1099 concentration techniques such as decantation, filtration (including ultrafiltration),  
 1100 and centrifugation, when used in conjunction with the above listed recovery  
 1101 technologies.  
 1102  
 1103 RLEAD Thermal recovery of lead in secondary lead smelters.  
 1104  
 1105 RMERC Retorting or roasting in a thermal processing unit capable of volatilizing mercury  
 1106 and subsequently condensing the volatilized mercury for recovery. The retorting  
 1107 or roasting unit (or facility) must be subject to one or more of the following:  
 1108  
 1109 a) A federal national emissions standard for hazardous air pollutants  
 1110 (NESHAP) for mercury (subpart E of 40 CFR 61);  
 1111  
 1112 b) A best available control technology (BACT) or a lowest achievable  
 1113 emission rate (LAER) standard for mercury imposed pursuant to a  
 1114 prevention of significant deterioration (PSD) permit (including 35 Ill.  
 1115 Adm. Code 201 through 203); or  
 1116  
 1117 c) A state permit that establishes emission limitations (within meaning of  
 1118 Section 302 of the Clean Air Act) for mercury, including a permit issued  
 1119 pursuant to 35 Ill. Adm. Code 201. All wastewater and nonwastewater  
 1120 residues derived from this process must then comply with the  
 1121 corresponding treatment standards per waste code with consideration of  
 1122 any applicable subcategories (e.g., high or low mercury subcategories).  
 1123  
 1124 RMETL Recovery of metals or inorganics utilizing one or more of the following direct  
 1125 physical or removal technologies:  
 1126  
 1127 1) ion exchange;  
 1128  
 1129 2) resin or solid (i.e., zeolites) adsorption;  
 1130  
 1131 3) reverse osmosis;  
 1132  
 1133 4) chelation or solvent extraction;  
 1134  
 1135 5) freeze crystallization;  
 1136

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- 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;
- 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 "other devices" determined by the Agency pursuant to 35 Ill. Adm. Code 720.110, the definition of "industrial furnace."

RZINC

Resmelting in high temperature metal recovery units for the purpose of recovery of zinc.

1179	STABL	Stabilization with the following reagents (or waste reagents) or combinations of
1180		reagents:
1181		
1182		1) Portland cement; or
1183		
1184		2) lime or pozzolans (e.g., fly ash and cement kiln dust) – this does not
1185		preclude the addition of reagents (e.g., iron salts, silicates, and clays)
1186		designed to enhance the set or cure time or compressive strength, or to
1187		overall reduce the leachability of the metal or inorganic.
1188		
1189	SSTRP	Steam stripping of organics from liquid wastes utilizing direct application of
1190		steam to the wastes operated such that liquid and vapor flow rates, as well as,
1191		temperature and pressure ranges, have been optimized, monitored, and
1192		maintained. These operating parameters are dependent upon the design
1193		parameters of the unit, such as, the number of separation stages and the internal
1194		column design. Thus, resulting in a condensed extract high in organics that must
1195		undergo either incineration, reuse as a fuel, or other recovery or reuse and an
1196		extracted wastewater that must undergo further treatment as specified in the
1197		standard.
1198		
1199	WETOX	Wet air oxidation performed in units operated such that a surrogate compound or
1200		indicator parameter has been substantially reduced in concentration in the
1201		residuals (e.g., total organic carbon (TOC) can often be used as an indicator
1202		parameter for the oxidation of many organic constituents that cannot be directly
1203		analyzed in wastewater residues).
1204		
1205	WTRRX	Controlled reaction with water for highly reactive inorganic or organic chemicals
1206		with precautionary controls for protection of workers from potential violent
1207		reactions as well as precautionary controls for potential emissions of toxic or
1208		ignitable levels of gases released during the reaction.
1209		
1210	Note 1:	When a combination of these technologies (i.e., a treatment train) is specified as a
1211		single treatment standard, the order of application is specified in Table T to this
1212		Part by indicating the five letter technology code that must be applied first, then
1213		the designation "fb." (an abbreviation for "followed by"), then the five letter
1214		technology code for the technology that must be applied next, and so on.
1215		
1216	Note 2:	When more than one technology (or treatment train) are specified as alternative
1217		treatment standards, the five letter technology codes (or the treatment trains) are
1218		separated by a semicolon (;) with the last technology preceded by the word "OR."
1219		This indicates that any one of these BDAT technologies or treatment trains can be
1220		used for compliance with the standard.
1221		

1222 BOARD NOTE: Derived from Table I in 40 CFR 268.42 (2007)~~(2005)~~.

1223

1224 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

1225 **Section 728.TABLE F Alternative Treatment Standards For Hazardous Debris**

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a) Hazardous debris must be treated by either the standards indicated in this Table F or by the waste-specific treatment standards for the waste contaminating the debris. The treatment standards must be met for each type of debris contained in a mixture of debris types, unless the debris is converted into treatment residue as a result of the treatment process. Debris treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

b) Definitions. For the purposes of this Table F, the following terms are defined as follows:

"Clean debris surface" means the surface, when viewed without magnification, must be free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits must be limited to no more than five percent of each square inch of surface area.

"Contaminant restriction" means that the technology is not BDAT for that contaminant. If debris containing a restricted contaminant is treated by the technology, the contaminant must be subsequently treated by a technology for which it is not restricted in order to be land disposed (and excluded from Subtitle C regulation).

"Dioxin-listed wastes" means wastes having any of USEPA hazardous waste numbers FO20, FO21, FO22, FO23, FO26, or FO27.

c) Notes. In this Table F, the following text is to be read in conjunction with the tabulated text where the appropriate notations appear:

<sup>1</sup> Acids, solvents, and chemical reagents may react with some debris and contaminants to form hazardous compounds. For example, acid washing of cyanide-contaminated debris could result in the formation of hydrogen cyanide. Some acids may also react violently with some debris and contaminants, depending on the concentration of the acid and the type of debris and contaminants. Debris treaters should refer to the safety precautions specified in Material Safety Data Sheets for various acids to avoid applying an incompatible acid to a particular debris/contaminant combination. For example, concentrated sulfuric acid may react violently with certain organic compounds, such as acrylonitrile.

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<sup>2</sup> If reducing the particle size of debris to meet the treatment standards results in material that no longer meets the 60 mm minimum particle size limit for debris, such material is subject to the waste-specific treatment standards for the waste contaminating the material, unless the debris has been cleaned and separated from contaminated soil and waste prior to size reduction. At a minimum, simple physical or mechanical means must be used to provide such cleaning and separation of nondebris materials to ensure that the debris surface is free of caked soil, waste, or other nondebris material.

<sup>3</sup> Thermal desorption is distinguished from thermal destruction in that the primary purpose of thermal desorption is to volatilize contaminants and to remove them from the treatment chamber for subsequent destruction or other treatment.

<sup>4</sup> The demonstration of "equivalent technology" pursuant to Section 728.142(b) must document that the technology treats contaminants subject to treatment to a level equivalent to that required by the performance and design and operating standards for other technologies in this table such that residual levels of hazardous contaminants will not pose a hazard to human health and the environment absent management controls.

<sup>5</sup> Any soil, waste, and other nondebris material that remains on the debris surface (or remains mixed with the debris) after treatment is considered a treatment residual that must be separated from the debris using, at a minimum, simple physical or mechanical means. Examples of simple physical or mechanical means are vibratory or trommel screening or water washing. The debris surface need not be cleaned to a "clean debris surface" as defined in subsection (b) of this Section when separating treated debris from residue; rather, the surface must be free of caked soil, waste, or other nondebris material. Treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.



Technology description	Performance or design and operating standard	Contaminant restrictions
A. Extraction Technologies:		
1. Physical Extraction		
a. Abrasive Blasting: Removal of contaminated debris surface layers using water or air pressure to propel a solid media (e.g., steel shot, aluminum oxide grit, plastic beads).	Glass, Metal, Plastic, Rubber: Treatment to a clean debris surface. Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Removal of at least 0.6 cm of the surface layer; treatment to a clean debris surface.	All Debris: None.
b. Scarification, Grinding, and Planing: Process utilizing striking piston heads, saws, or rotating grinding wheels such that contaminated debris surface layers are removed.	Same as above	Same as above
c. Spalling: Drilling or chipping holes at appropriate locations and depth in the contaminated debris surface and applying a tool that exerts a force on the sides of those holes such that the surface layer is removed. The surface layer removed remains hazardous debris subject to the debris treatment standards.	Same as above	Same as above
d. Vibratory Finishing: Process utilizing scrubbing media, flushing fluid, and oscillating energy such that hazardous contaminants or contaminated debris surface layers are removed. <sup>1</sup>	Same as above	Same as above

<p>e. High Pressure Steam and Water Sprays: Application of water or steam sprays of sufficient temperature, pressure, residence time, agitation, surfactants, and detergents to remove hazardous contaminants from debris surfaces or to remove contaminated debris surface layers</p>	<p>Same as above</p>	<p>Same as above.</p>
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2. Chemical Extraction

<p>a. Water Washing and Spraying: Application of water sprays or water baths of sufficient temperature, pressure, residence time, agitation, surfactants, acids, bases, and detergents to remove hazardous contaminants from debris surfaces and surface pores or to remove contaminated debris surface layers.</p>	<p>All Debris: Treatment to a clean debris surface; Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e., thickness limit,<sup>2</sup> except that this thickness limit may be waived under an "Equivalent Technology" approval pursuant to Section 728.142(b);<sup>4</sup> debris surfaces must be in contact with water solution for at least 15 minutes</p>	<p>Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Contaminant must be soluble to at least five percent by weight in water solution or five percent by weight in emulsion; if debris is contaminated with a dioxin-listed waste,<sup>3</sup> an "Equivalent Technology" approval pursuant to Section 728.142(b) must be obtained.<sup>4</sup></p>
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<p>b. Liquid Phase Solvent Extraction: Removal of hazardous contaminants from debris surfaces and surface pores by applying a nonaqueous liquid or liquid solution that causes the hazardous contaminants to enter the liquid phase and be flushed away from the debris along with the liquid or liquid solution while using appropriate agitation, temperature, and residence time.<sup>1</sup></p>	<p>Same as above</p>	<p>Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Same as above, except that contaminant must be soluble to at least five percent by weight in the solvent.</p>
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<p>c. Vapor Phase Solvent</p>	<p>Same as above, except that</p>	<p>Same as above.</p>
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Extraction: Application of an organic vapor using sufficient agitation, residence time, and temperature to cause hazardous contaminants on contaminated debris surfaces and surface pores to enter the vapor phase and be flushed away with the organic vapor.<sup>1</sup>

brick, cloth, concrete, paper, pavement, rock and wood surfaces must be in contact with the organic vapor for at least 60 minutes.

### 3. Thermal Extraction

a. High Temperature Metals Recovery: Application of sufficient heat, residence time, mixing, fluxing agents, or carbon in a smelting, melting, or refining furnace to separate metals from debris.

For refining furnaces, treated debris must be separated from treatment residuals using simple physical or mechanical means,<sup>5</sup> and, prior to further treatment, such residuals must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.

Debris contaminated with a dioxin-listed waste:<sup>2</sup> Obtain an "Equivalent Technology" approval pursuant to Section 728.142(b).<sup>4</sup>

b. Thermal Desorption: Heating in an enclosed chamber under either oxidizing or nonoxidizing atmospheres at sufficient temperature and residence time to vaporize hazardous contaminants from contaminated surfaces and surface pores and to remove the contaminants from the heating chamber in a gaseous exhaust gas.<sup>3</sup>

All Debris: Obtain an "Equivalent Technology" approval pursuant to Section 728.142(b);<sup>4</sup> treated debris must be separated from treatment residuals using simple physical or mechanical means,<sup>5</sup> and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.

All Debris: Metals other than mercury.

Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 10 cm (4 inches) in one dimension (i.e., thickness limit),<sup>2</sup> except that this thickness limit may be waived under the "Equivalent Technology" approval

B. Destruction Technologies:

1. Biological Destruction (Biodegradation): Removal of hazardous contaminants from debris surfaces and surface pores in an aqueous solution and ~~biodegradation~~ biodegradation of organic or nonmetallic inorganic compounds (i.e., inorganics that contain phosphorus, nitrogen, or sulfur) in units operated under either aerobic or anaerobic conditions.

All Debris: Obtain an "Equivalent Technology" approval pursuant to Section 728.142(b);<sup>4</sup> treated debris must be separated from treatment residuals using simple physical or mechanical means,<sup>5</sup> and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.  
Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e., thickness limit),<sup>2</sup> except that this thickness limit may be waived under the "Equivalent Technology" approval

All Debris: Metal contaminants.

2. Chemical Destruction

a. Chemical Oxidation: Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combination of reagents: (1) hypochlorite (e.g., bleach); (2) chlorine; (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 destruction efficiency.<sup>1</sup> Chemical oxidation specifically includes what is referred to as alkaline chlorination.

All Debris: Obtain an "Equivalent Technology" approval pursuant to 35 Ill. Adm. Code.142(b);<sup>4</sup> treated debris must be separated from treatment residuals using simple physical or mechanical means,<sup>5</sup> and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.  
Brick, Cloth, Concrete, Paper, Pavement, Rock, Wood: Debris must be no more than 1.2 cm (½ inch) in one dimension (i.e.,

All Debris: Metal contaminants.

thickness limit),<sup>2</sup> except that this thickness limit may be waived under the "Equivalent Technology" approval

b. Chemical Reduction:  
 Chemical reaction utilizing the following reducing reagents (or waste reagents) or combination of reagents: (1) sulfur dioxide; (2) sodium, potassium, or alkali salts of sulfites, bisulfites, and metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; or (5) other reducing reagents of equivalent efficiency.<sup>1</sup>

Same as above

Same as above.

3. Thermal Destruction:  
 Treatment in an incinerator operating in accordance with Subpart O of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm. Code 725; a boiler or industrial furnace operating in accordance with Subpart H of 35 Ill. Adm. Code 726, or other thermal treatment unit operated in accordance with Subpart X of 35 Ill. Adm. Code 724, or Subpart P of 35 Ill. Adm. Code 725, but excluding for purposes of these debris treatment standards Thermal Desorption units.

Treated debris must be separated from treatment residuals using simple physical or mechanical means,<sup>5</sup> and, prior to further treatment, such residue must meet the waste-specific treatment standards for organic compounds in the waste contaminating the debris.

Brick, Concrete, Glass, Metal, Pavement, Rock, Metal: Metals other than mercury, except that there are no metal restrictions for vitrification.  
 Debris contaminated with a dioxin-listed waste.<sup>3</sup> Obtain an "Equivalent Technology" approval pursuant to Section 728.142(b),<sup>4</sup> except that this requirement does not apply to vitrification.

C. Immobilization Technologies:

1. Macroencapsulation:  
 Application of surface coating materials such as polymeric

Encapsulating material must completely encapsulate debris and be resistant to degradation

None.

organics (e.g., resins and plastics) or use of a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media.

by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes).

2. Microencapsulation: Stabilization of the debris with the following reagents (or waste reagents) such that the leachability of the hazardous contaminants is reduced: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust). Reagents (e.g., iron salts, silicates, and clays) may be added to enhance the set/cure time or compressive strength, or to reduce the leachability of the hazardous constituents.<sup>2</sup>

Leachability of the hazardous contaminants must be reduced. None.

3. Sealing: Application of an appropriate material that adheres tightly to the debris surface to avoid exposure of the surface to potential leaching media. When necessary to effectively seal the surface, sealing entails pretreatment of the debris surface to remove foreign matter and to clean and roughen the surface. Sealing materials include epoxy, silicone, and urethane compounds, but paint may not be used as a sealant

Sealing must avoid exposure of the debris surface to potential leaching media and sealant must be resistant to degradation by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes). None.

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BOARD NOTE: Derived from Table 1 to 40 CFR 268.45 (2005).

(Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

1304 **Section 728.TABLE T Treatment Standards for Hazardous Wastes**

1305  
 1306 Note: The treatment standards that heretofore appeared in tables in Sections 728.141, 728.142,  
 1307 and 728.143 have been consolidated into this table.

1308	1309 Waste Code			
1310	1311 Waste Description and Treatment or Regulatory Subcategory <sup>1</sup>			
1312	Regulated Hazardous Constituent		Wastewaters	Nonwastewaters
			Concentration <sup>3</sup> in	Concentration <sup>5</sup> in
			mg/ℓ <sup>3</sup> ; or	mg/kg <sup>5</sup> unless
			Technology Code <sup>4</sup>	noted as " mg/ℓ
	Common Name	CAS <sup>2</sup> Number	Technology Code <sup>4</sup>	TCLP"; or
				Technology Code <sup>4</sup>
1313				
1314	D001 <sup>9</sup>			
1315				
1316	Ignitable Characteristic Wastes, except for the 35 Ill. Adm. Code 721.121(a)(1) High TOC			
1317	Subcategory.			
1318	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
1319				
1320	D001 <sup>9</sup>			
1321				
1322	High TOC Ignitable Characteristic Liquids Subcategory based on 35 Ill. Adm. Code			
1323	721.121(a)(1) – Greater than or equal to 10 percent total organic carbon.			
1324				
1325	(Note: This subcategory consists of nonwastewaters only.)			
1326	NA	NA	NA	RORGS; CMBST;
				or POLYM
1327				
1328	D002 <sup>9</sup>			
1329				
1330	Corrosive Characteristic Wastes.			
1331				

	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1332				
1333	D002, D004, D005, D006, D007, D008, D009, D010, D011			
1334				
1335	Radioactive high level wastes generated during the reprocessing of fuel rods.			
1336				
1337	(Note: This subcategory consists of nonwastewaters only.)			
1338				
	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
1339				
1340	D003 <sup>9</sup>			
1341				
1342	Reactive Sulfides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).			
1343				
	NA	NA	DEACT	DEACT
1344				
1345	D003 <sup>9</sup>			
1346				
1347	Explosive subcategory based on 35 Ill. Adm. Code 721.123(a)(6), (a)(7), and (a)(8).			
1348				
	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1349				
1350	D003 <sup>9</sup>			
1351				
1352	Unexploded ordnance and other explosive devices that have been the subject of an emergency			
1353	response.			
1354				
	NA	NA	DEACT	DEACT
1355				
1356	D003 <sup>9</sup>			
1357				



1358	Other Reactives Subcategory based on 35 Ill. Adm. Code 721.123(a)(1).			
1359	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>	DEACT and meet Section 728.148 standards <sup>8</sup>
1360	D003 <sup>9</sup>			
1361	D003 <sup>9</sup>			
1362	D003 <sup>9</sup>			
1363	Water Reactive Subcategory based on 35 Ill. Adm. Code 721.123(a)(2), (a)(3), and (a)(4).			
1364	(Note: This subcategory consists of nonwastewaters only.)			
1365	(Note: This subcategory consists of nonwastewaters only.)			
1366	NA	NA	NA	DEACT and meet Section 728.148 standards <sup>8</sup>
1367	D003 <sup>9</sup>			
1368	D003 <sup>9</sup>			
1369	D003 <sup>9</sup>			
1370	Reactive Cyanides Subcategory based on 35 Ill. Adm. Code 721.123(a)(5).			
1371	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
1372	D004 <sup>9</sup>			
1373	D004 <sup>9</sup>			
1374	D004 <sup>9</sup>			
1375	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on			
1376	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1377	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1378	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1379	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>
1380	D005 <sup>9</sup>			
1381	D005 <sup>9</sup>			
1382	D005 <sup>9</sup>			
1383	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for barium based on			
1384	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1385	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1386	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1387	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>
1388				
1389	D006 <sup>9</sup>			
1390				
1391	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based			
1392	on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1393	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1394	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1395				
	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>
1396				
1397	D006 <sup>9</sup>			
1398				
1399	Cadmium-Containing Batteries Subcategory.			
1400	(Note: This subcategory consists of nonwastewaters only.)			
1401				
1402	Cadmium	7440-43-9	NA	RTHRM
1403				
1404	D006 <sup>9</sup>			
1405				
1406	Radioactively contaminated cadmium-containing batteries.			
1407	(Note: This subcategory consists of nonwastewaters only.)			
1408				
1409	Cadmium	7440-43-9	NA	Macroencapsulation in accordance with Section 728.145
1410				
1411	D007 <sup>9</sup>			
1412				
1413	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for chromium based			
1414	on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1415	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1416	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1417				
	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>

1418				
1419	D008 <sup>9</sup>			
1420				
1421	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on			
1422	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1423	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1424	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1425				
	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>
1426				
1427	D008 <sup>9</sup>			
1428				
1429	Lead Acid Batteries Subcategory			
1430				
1431	(Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous			
1432	wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of			
1433	this Part or exempted under other regulations (see 35 Ill. Adm. Code 726.180). This subcategory			
1434	consists of nonwastewaters only.)			
1435				
	Lead	7439-92-1	NA	RLEAD
1436				
1437	D008 <sup>9</sup>			
1438				
1439	Radioactive Lead Solids Subcategory			
1440				
1441	(Note: These lead solids include, but are not limited to, all forms of lead shielding and other			
1442	elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide			
1443	sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional			
1444	pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and			
1445	stabilized as ash. This subcategory consists of nonwastewaters only.)			
1446				
	Lead	7439-92-1	NA	MACRO
1447				
1448	D009 <sup>9</sup>			
1449				
1450	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1451	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1452	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1453	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain			
1454	greater than or equal to 260 mg/kg total mercury that also contain organics and are not			
1455	incinerator residues. (High Mercury-Organic Subcategory)			

1456	Mercury	7439-97-6	NA	IMERC; or RMERC
1457				
1458	D009 <sup>9</sup>			
1459				
1460	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1461	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1462	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1463	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain			
1464	greater than or equal to 260 mg/kg total mercury that are inorganic, including incinerator			
1465	residues and residues from RMERC. (High Mercury-Inorganic Subcategory)			
1466				
	Mercury	7439-97-6	NA	RMERC
1467				
1468	D009 <sup>9</sup>			
1469				
1470	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury			
1471	based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods			
1472	for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1473	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less			
1474	than 260 mg/kg total mercury. (Low Mercury Subcategory)			
1475				
	Mercury	7439-97-6	NA	0.20 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1476				
1477	D009 <sup>9</sup>			
1478				
1479	All other nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for			
1480	mercury based on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test			
1481	Methods for Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1482	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a); and contain less			
1483	than 260 mg/kg total mercury and that are not residues from RMERC. (Low Mercury			
1484	Subcategory)			
1485				
	Mercury	7439-97-6	NA	0.025 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1486				
1487	D009 <sup>9</sup>			
1488				
1489	All D009 wastewaters.			

1490	Mercury	7439-97-6	0.15 and meet Section 728.148 standards <sup>8</sup>	NA
1491				
1492	D009 <sup>9</sup>			
1493				
1494	Elemental mercury contaminated with radioactive materials.			
1495				
1496	(Note: This subcategory consists of nonwastewaters only.)			
1497				
	Mercury	7439-97-6	NA	AMLGM
1498				
1499	D009 <sup>9</sup>			
1500				
1501	Hydraulic oil contaminated with Mercury Radioactive Materials Subcategory.			
1502				
1503	(Note: This subcategory consists of nonwastewaters only.)			
1504				
	Mercury	7439-97-6	NA	IMERC
1505				
1506	D009 <sup>9</sup>			
1507				
1508	Radioactively contaminated mercury-containing batteries.			
1509				
1510	(Note: This subcategory consists of nonwastewaters only.)			
1511				
	Mercury	7439-97-6	NA	Macroencapsulation in accordance with Section 728.145
1512				
1513	D010 <sup>9</sup>			
1514				
1515	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for selenium based			
1516	on Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1517	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1518	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1519				
	Selenium	7782-49-2	0.82	5.7 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1520				
1521	D011 <sup>9</sup>			

1522				
1523	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for silver based on			
1524	Method 1311 (Toxicity Characteristic Leaching Procedure (TCLP)) in "Test Methods for			
1525	Evaluating Solid Waste, Physical/Chemical Methods," USEPA publication number			
1526	EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111(a).			
1527	Silver	7440-22-4	0.43	0.14 mg/l TCLP and meet Section 728.148 standards <sup>8</sup>
1528				
1529	D011 <sup>9</sup>			
1530				
1531	Radioactively contaminated silver-containing batteries.			
1532				
1533	(Note: This subcategory consists of nonwastewaters only.)			
1534	Silver	7440-22-4	NA	Macroencapsulation in accordance with Section 728.145
1535				
1536	D012 <sup>9</sup>			
1537				
1538	Wastes that are TC for endrin based on Method 1311 (Toxicity Characteristic Leaching			
1539	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1540	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1541	720.111(a).			
1542	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>
1543				
1544	D013 <sup>9</sup>			
1545				
1546	Wastes that are TC for lindane based on Method 1311 (Toxicity Characteristic Leaching			
1547	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1548	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1549	720.111(a).			
1550				

$\alpha$ -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>

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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).

1575	2,4-D (2,4-dichlorophenoxyacetic acid)	94-75-7	CHOXD; BIODG; or CMBST	10 and meet Section 728.148 standards <sup>8</sup>
1576	D017 <sup>9</sup>			
1577				
1578	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).			
1579				
1580				
1581				
1582	2,4,5-TP (Silvex)	93-72-1	CHOXD or CMBST	7.9 and meet Section 728.148 standards <sup>8</sup>
1583				
1584	D018 <sup>9</sup>			
1585				
1586	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).			
1587				
1588				
1589				
1590	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>
1591				
1592	D019 <sup>9</sup>			
1593				
1594	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).			
1595				
1596				
1597				
1598	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>
1599				
1600	D020 <sup>9</sup>			
1601				
1602	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).			
1603				
1604				
1605				



1606	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>
1607				
1608	D021 <sup>9</sup>			
1609				
1610	Wastes that are TC for chlorobenzene based on Method 1311 (Toxicity Characteristic Leaching			
1611	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1612	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1613	720.111(a).			
1614	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>
1615				
1616	D022 <sup>9</sup>			
1617				
1618	Wastes that are TC for chloroform 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	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>
1623				
1624	D023 <sup>9</sup>			
1625				
1626	Wastes that are TC for o-cresol based on Method 1311 (Toxicity Characteristic Leaching			
1627	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1628	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1629	720.111(a).			
1630	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>
1631				
1632	D024 <sup>9</sup>			
1633				
1634	Wastes that are TC for m-cresol 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				
	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>
1639				
1640	D025 <sup>9</sup>			
1641				
1642	Wastes that are TC for p-cresol 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				
	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>
1647				
1648	D026 <sup>9</sup>			
1649				
1650	Wastes that are TC for cresols (total) 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				
	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>
1655				
1656	D027 <sup>9</sup>			
1657				
1658	Wastes that are TC for p-dichlorobenzene based on Method 1311 (Toxicity Characteristic			
1659	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1660	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1661	Adm. Code 720.111(a).			
1662				
	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>
1663				
1664	D028 <sup>9</sup>			
1665				

1666 Wastes that are TC for 1,2-dichloroethane based on Method 1311 (Toxicity Characteristic  
 1667 Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical  
 1668 Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.  
 1669 Adm. Code 720.111(a).  
 1670

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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1671  
 1672 D029<sup>9</sup>  
 1673

1674 Wastes that are TC for 1,1-dichloroethylene based on Method 1311 (Toxicity Characteristic  
 1675 Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical  
 1676 Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.  
 1677 Adm. Code 720.111(a).  
 1678

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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1679  
 1680 D030<sup>9</sup>  
 1681

1682 Wastes that are TC for 2,4-dinitrotoluene based on Method 1311 (Toxicity Characteristic  
 1683 Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical  
 1684 Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.  
 1685 Adm. Code 720.111(a).  
 1686

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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1687  
 1688 D031<sup>9</sup>  
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1690 Wastes that are TC for heptachlor based on Method 1311 (Toxicity Characteristic Leaching  
 1691 Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 1692 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1693 720.111(a).  
 1694

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>
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1695	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>
1696	D032 <sup>9</sup>			
1697				
1698	Wastes that are TC for hexachlorobenzene 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				
	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>
1703				
1704	D033 <sup>9</sup>			
1705				
1706	Wastes that are TC for hexachlorobutadiene 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				
	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>
1711				
1712	D034 <sup>9</sup>			
1713				
1714	Wastes that are TC for hexachloroethane 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				
	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>
1719				
1720	D035 <sup>9</sup>			
1721				
1722	Wastes that are TC for methyl ethyl ketone based on Method 1311 (Toxicity Characteristic			
1723	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1724	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1725	Adm. Code 720.111(a).			

1726	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>
1727				
1728	D036 <sup>9</sup>			
1729				
1730	Wastes that are TC for nitrobenzene based on Method 1311 (Toxicity Characteristic Leaching			
1731	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1732	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1733	720.111(a).			
1734	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>
1735				
1736	D037 <sup>9</sup>			
1737				
1738	Wastes that are TC for pentachlorophenol 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	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>
1743				
1744	D038 <sup>9</sup>			
1745				
1746	Wastes that are TC for pyridine based on Method 1311 (Toxicity Characteristic Leaching			
1747	Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"			
1748	USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code			
1749	720.111(a).			
1750	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>
1751				
1752	D039 <sup>9</sup>			
1753				
1754	Wastes that are TC for tetrachloroethylene 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				
	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>
1759				
1760	D040 <sup>9</sup>			
1761				
1762	Wastes that are TC for trichloroethylene based on Method 1311 (Toxicity Characteristic			
1763	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1764	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1765	Adm. Code 720.111(a).			
1766				
	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>
1767				
1768	D041 <sup>9</sup>			
1769				
1770	Wastes that are TC for 2,4,5-trichlorophenol 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				
	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>
1775				
1776	D042 <sup>9</sup>			
1777				
1778	Wastes that are TC for 2,4,6-trichlorophenol based on Method 1311 (Toxicity Characteristic			
1779	Leaching Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical			
1780	Methods," USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill.			
1781	Adm. Code 720.111(a).			
1782				
	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>
1783				
1784	D043 <sup>9</sup>			
1785				

1786 Wastes that are TC for vinyl chloride based on Method 1311 (Toxicity Characteristic Leaching  
 1787 Procedure (TCLP)) in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,"  
 1788 USEPA publication number EPA-530/SW-846, incorporated by reference in 35 Ill. Adm. Code  
 1789 720.111(a).  
 1790

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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1791  
 1792 F001, F002, F003, F004 & F005  
 1793  
 1794 F001, F002, F003, F004, or F005 solvent wastes that contain any combination of one or more of  
 1795 the following spent solvents: acetone, benzene, n-butyl alcohol, carbon disulfide, carbon  
 1796 tetrachloride, chlorinated fluorocarbons, chlorobenzene, o-cresol, m-cresol, p-cresol,  
 1797 cyclohexanone, o-dichlorobenzene, 2-ethoxyethanol, ethyl acetate, ethyl benzene, ethyl ether,  
 1798 isobutyl alcohol, methanol, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone,  
 1799 nitrobenzene, 2-nitropropane, pyridine, tetrachloroethylene, toluene, 1,1,1-trichloroethane, 1,1,2-  
 1800 trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethylene,  
 1801 trichloromonofluoromethane, or xylenes (except as specifically noted in other subcategories).  
 1802 See further details of these listings in 35 Ill. Adm. Code 721.131.  
 1803

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

1804  
 1805 F001, F002, F003, F004 & F005  
 1806  
 1807 F003 and F005 solvent wastes that contain any combination of one or more of the following  
 1808 three solvents as the only listed F001 through F005 solvents: carbon disulfide, cyclohexanone,  
 1809 or methanol. (Formerly Section 728.141(c)).  
 1810

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

1811  
 1812 F001, F002, F003, F004 & F005  
 1813  
 1814 F005 solvent waste containing 2-Nitropropane as the only listed F001 through F005 solvent.  
 1815

2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
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1816  
 1817 F001, F002, F003, F004 & F005  
 1818  
 1819 F005 solvent waste containing 2-Ethoxyethanol as the only listed F001 through F005 solvent.  
 1820



	2-Ethoxyethanol	110-80-5	BIODG; or CMBST	CMBST
1821				
1822	F006			
1823				
1824	Wastewater treatment sludges from electroplating operations except from the following			
1825	processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc			
1826	plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon			
1827	steel; (5) cleaning or stripping associated with tin, zinc, and aluminum plating on carbon steel;			
1828	and (6) chemical etching and milling of aluminum.			
1829				
	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
1830				
1831	F007			
1832				
1833	Spent cyanide plating bath solutions from electroplating operations.			
1834				
	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
1835				
1836	F008			
1837				
1838	Plating bath residues from the bottom of plating baths from electroplating operations where			
1839	cyanides are used in the process.			
1840				
	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

1841				
1842	F009			
1843				
1844	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are			
1845	used in the process.			
1846				
	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
1847				
1848	F010			
1849				
1850	Quenching bath residues from oil baths from metal heat-treating operations where cyanides are			
1851	used in the process.			
1852				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	NA
1853				
1854	F011			
1855				
1856	Spent cyanide solutions from salt bath pot cleaning from metal heat-treating operations.			
1857				
	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
1858				
1859	F012			
1860				
1861	Quenching wastewater treatment sludges from metal heat-treating operations where cyanides are			
1862	used in the process.			
1863				
	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

1864	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
1865	Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
1866	Silver	7440-22-4	NA	0.14 mg/ℓ TCLP
1867	F019			
1868	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.			
1869				
1870	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
1871	F020, F021, F022, F023, F026			
1872	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).			
1873				
1874				
1875				
1876				
1877				
1878				
1879				
1880				
1881				
1882				
1883				
1884				
1885				
1886				
	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

1887

1888 F024

1889

1890 Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor  
 1891 clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free  
 1892 radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon  
 1893 chain lengths ranging from one to and including five, with varying amounts and positions of  
 1894 chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges,  
 1895 spent catalysts, and wastes listed in 35 Ill. Adm. Code 721.131 or 721.132.)

1896

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

1897

1898 F025

1899

1900 Condensed light ends from the production of certain chlorinated aliphatic hydrocarbons by free  
 1901 radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon  
 1902 chain lengths ranging from one up to and including five, with varying amounts and positions of  
 1903 chlorine substitution. F025 – Light Ends Subcategory.

1904

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

1905

1906 F025

1907

1908 Spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated  
 1909 aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic  
 1910 hydrocarbons are those having carbon chain lengths ranging from one to and including five, with  
 1911 varying amounts and positions of chlorine substitution. F025 – Spent Filters/Aids and Desiccants  
 1912 Subcategory.

1913

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

1914

1915 F027

1916

1917 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused  
 1918 formulations containing compounds derived from these chlorophenols. (This listing does not  
 1919 include formulations containing hexachlorophene synthesized from prepurified 2,4,5-  
 1920 trichlorophenol as the sole component.)

1921

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

1922

1923 F028

1924

1925 Residues resulting from the incineration or thermal treatment of soil contaminated with USEPA  
 1926 hazardous waste numbers F020, F021, F023, F026, and F027.  
 1927

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

1928  
 1929 F032  
 1930  
 1931 Wastewaters (except those that have not come into contact with process contaminants), process  
 1932 residuals, preservative drippage, and spent formulations from wood preserving processes  
 1933 generated at plants that currently use or have previously used chlorophenolic formulations  
 1934 (except potentially cross-contaminated wastes that have had the F032 waste code deleted in  
 1935 accordance with 35 Ill. Adm. Code 721.135 or potentially cross-contaminated wastes that are  
 1936 otherwise currently regulated as hazardous wastes (i.e., F034 or F035), where the generator does  
 1937 not resume or initiate use of chlorophenolic formulations). This listing does not include K001  
 1938 bottom sediment sludge from the treatment of wastewater from wood preserving processes that  
 1939 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>
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

1941  
 1942 F034  
 1943  
 1944 Wastewaters (except those that have not come into contact with process contaminants), process  
 1945 residuals, preservative drippage, and spent formulations from wood preserving processes  
 1946 generated at plants that use creosote formulations. This listing does not include K001 bottom  
 1947 sediment sludge from the treatment of wastewater from wood preserving processes that use  
 1948 creosote or pentachlorophenol.  
 1949

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

1950  
 1951 F035  
 1952  
 1953 Wastewaters (except those that have not come into contact with process contaminants), process  
 1954 residuals, preservative drippage, and spent formulations from wood preserving processes that are  
 1955 generated at plants that use inorganic preservatives containing arsenic or chromium. This listing  
 1956 does not include K001 bottom sediment sludge from the treatment of wastewater from wood  
 1957 preserving processes that use creosote or pentachlorophenol.  
 1958

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

1959  
 1960 F037  
 1961  
 1962 Petroleum refinery primary oil/water/solids separation sludge – Any sludge generated from the  
 1963 gravitational separation of oil/water/solids during the storage or treatment of process wastewaters  
 1964 and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited  
 1965 to, those generated in: oil/water/solids separators; tanks, and impoundments; ditches, and other  
 1966 conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in  
 1967 stormwater units that do not receive dry weather flow, sludges generated from non-contact once-  
 1968 through cooling waters segregated for treatment from other process or oily cooling waters,  
 1969 sludges generated in aggressive biological treatment units as defined in 35 Ill. Adm. Code  
 1970 721.131(b)(2) (including sludges generated in one or more additional units after wastewaters  
 1971 have been treated in aggressive biological treatment units) and K051 wastes are not included in  
 1972 this listing.  
 1973

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

1974  
 1975 F038  
 1976  
 1977 Petroleum refinery secondary (emulsified) oil/water/solids separation sludge or float generated  
 1978 from the physical or chemical separation of oil/water/solids in process wastewaters and oily  
 1979 cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all  
 1980 sludges and floats generated in: induced air floatation (IAF) units, tanks, and impoundments,  
 1981 and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive  
 1982 dry weather flow, sludges generated from non-contact once-through cooling waters segregated  
 1983 for treatment from other process or oily cooling waters, sludges, and floats generated in  
 1984 aggressive biological treatment units as defined in 35 Ill. Adm. Code 721.131(b)(2) (including  
 1985 sludges and floats generated in one or more additional units after wastewaters have been treated  
 1986 in aggressive biological units) and F037, K048, and K051 are not included in this listing.  
 1987

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

1988  
 1989 F039  
 1990  
 1991 Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal  
 1992 of more than one restricted waste classified as hazardous under Subpart D of this Part. (Leachate  
 1993 resulting from the disposal of one or more of the following USEPA hazardous wastes and no  
 1994 other hazardous wastes retains its USEPA hazardous waste numbers: F020, F021, F022, F026,  
 1995 F027, or F028.).  
 1996

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-Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063	0.0025
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	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
	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
1997				
1998	K001			
1999				
2000	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that			
2001	use creosote or pentachlorophenol.			
2002				
	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
2003				
2004	K002			
2005				
2006	Wastewater treatment sludge from the production of chrome yellow and orange pigments.			
2007				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2008				
2009	K003			
2010				
2011	Wastewater treatment sludge from the production of molybdate orange pigments.			
2012				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP



2013				
2014	K004			
2015				
2016	Wastewater treatment sludge from the production of zinc yellow pigments.			
2017				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2018				
2019	K005			
2020				
2021	Wastewater treatment sludge from the production of chrome green pigments.			
2022				
	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
2023				
2024	K006			
2025				
2026	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous).			
2027				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2028				
2029	K006			
2030				
2031	Wastewater treatment sludge from the production of chrome oxide green pigments (hydrated).			
2032				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
	Lead	7439-92-1	0.69	NA
2033				
2034	K007			
2035				
2036	Wastewater treatment sludge from the production of iron blue pigments.			
2037				
	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
2038				
2039	K008			
2040				
2041	Oven residue from the production of chrome oxide green pigments.			
2042				
	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

2043	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2044	K009			
2045				
2046	Distillation bottoms from the production of acetaldehyde from ethylene.			
2047	Chloroform	67-66-3	0.046	6.0
2048				
2049	K010			
2050				
2051	Distillation side cuts from the production of acetaldehyde from ethylene.			
2052	Chloroform	67-66-3	0.046	6.0
2053				
2054	K011			
2055				
2056	Bottom stream from the wastewater stripper in the production of acrylonitrile.			
2057	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
2058				
2059	K013			
2060				
2061	Bottom stream from the acetonitrile column in the production of acrylonitrile.			
2062	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
2063				
2064	K014			
2065				
2066	Bottoms from the acetonitrile purification column in the production of acrylonitrile.			
2067	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

2068				
2069	K015			
2070				
2071	Still bottoms from the distillation of benzyl chloride.			
2072				
	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
2073				
2074	K016			
2075				
2076	Heavy ends or distillation residues from the production of carbon tetrachloride.			
2077				
	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
2078				
2079	K017			
2080				
2081	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.			
2082				
	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
2083				
2084	K018			
2085				
2086	Heavy ends from the fractionation column in ethyl chloride production.			
2087				
	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

2088	1,2-Dichloroethane	107-06-2	0.21	6.0
2089	Hexachlorobenzene	118-74-1	0.055	10
2090	Hexachlorobutadiene	87-68-3	0.055	5.6
2091	Hexachloroethane	67-72-1	0.055	30
2092	Pentachloroethane	76-01-7	NA	6.0
	1,1,1-Trichloroethane	71-55-6	0.054	6.0
2088				
2089	K019			
2090				
2091	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.			
2092				
	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
2093				
2094	K020			
2095				
2096	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.			
2097				
	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
2098				
2099	K021			
2100				
2101	Aqueous spent antimony catalyst waste from fluoromethanes production.			
2102				
	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
2103				
2104	K022			
2105				

2106	Distillation bottom tars from the production of phenol or acetone from cumene.			
2107				
	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
2108				
2109	K023			
2110				
2111	Distillation light ends from the production of phthalic anhydride from naphthalene.			
2112				
	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
2113				
2114	K024			
2115				
2116	Distillation bottoms from the production of phthalic anhydride from naphthalene.			
2117				
	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
2118				
2119	K025			
2120				
2121	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.			
2122				
	NA	NA	LLEXT fb SSTRP fb CARBN; or CMBST	CMBST

2123				
2124	K026			
2125				
2126	Stripping still tails from the production of methyl ethyl pyridines.			
2127	NA	NA	CMBST	CMBST
2128				
2129	K027			
2130				
2131	Centrifuge and distillation residues from toluene diisocyanate production.			
2132	NA	NA	CARBN; or CMBST	CMBST
2133				
2134	K028			
2135				
2136	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.			
2137				
	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
2138				
2139	K029			
2140				
2141	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.			
2142				
	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
2143				

2144	K030			
2145				
2146	Column bodies or heavy ends from the combined production of trichloroethylene and			
2147	perchloroethylene.			
2148				
	o-Dichlorobenzene	95-50-1	0.088	NA
	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
2149				
2150	K031			
2151				
2152	By-product salts generated in the production of MSMA and cacodylic acid.			
2153				
	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2154				
2155	K032			
2156				
2157	Wastewater treatment sludge from the production of chlordane.			
2158				
	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
2159				
2160	K033			
2161				
2162	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of			
2163	chlordane.			
2164				
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
2165				
2166	K034			
2167				
2168	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.			
2169				
	Hexachlorocyclopentadiene	77-47-4	0.057	2.4

2170				
2171	K035			
2172				
2173	Wastewater treatment sludges generated in the production of creosote.			
2174				
	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
2175				
2176	K036			
2177				
2178	Still bottoms from toluene reclamation distillation in the production of disulfoton.			
2179				
	Disulfoton	298-04-4	0.017	6.2
2180				
2181	K037			
2182				
2183	Wastewater treatment sludges from the production of disulfoton.			
2184				
	Disulfoton	298-04-4	0.017	6.2
	Toluene	108-88-3	0.080	10
2185				
2186	K038			
2187				
2188	Wastewater from the washing and stripping of phorate production.			
2189				



2190	Phorate	298-02-2	0.021	4.6
2191	K039			
2192				
2193	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.			
2194	NA	NA	CARBN; or CMBST	CMBST
2195				
2196	K040			
2197				
2198	Wastewater treatment sludge from the production of phorate.			
2199				
2200	Phorate	298-02-2	0.021	4.6
2201	K041			
2202				
2203	Wastewater treatment sludge from the production of toxaphene.			
2204				
2205	Toxaphene	8001-35-2	0.0095	2.6
2206	K042			
2207				
2208	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production			
2209	of 2,4,5-T.			
2210				
	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
2211				
2212	K043			
2213				
2214	2,6-Dichlorophenol waste from the production of 2,4-D.			
2215				
	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

2216	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
2217	HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
2218	PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
2219	PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
2220	TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
2221	TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2222	Wastewater treatment sludges from the manufacturing and processing of explosives.			
2223	NA	NA	DEACT	DEACT
2224	Spent carbon from the treatment of wastewater containing explosives.			
2225	NA	NA	DEACT	DEACT
2226	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.			
2227	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2228	Pink or red water from TNT operations.			
2229	NA	NA	DEACT	DEACT
2230	Dissolved air flotation (DAF) float from the petroleum refining industry.			
2231	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	108-88-33	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

2242

2243 K049

2244

2245 Slop oil emulsion solids from the petroleum refining industry.

2246

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	2218-01-9	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

2247				
2248	K050			
2249				
2250	Heat exchanger bundle cleaning sludge from the petroleum refining industry.			
2251				
	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
2252				
2253	K051			
2254				
2255	API separator sludge from the petroleum refining industry.			
2256				
	Acenaphthene	83-32-9	0.059	NA
	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	2218-01-9	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
2257				
2258	K052			
2259				
2260	Tank bottoms (leaded) from the petroleum refining industry.			
2261				

	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
2262				
2263	K060			
2264				
2265	Ammonia still lime sludge from coking operations.			
2266				
	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
2267				
2268	K061			
2269				
2270	Emission control dust or sludge from the primary production of steel in electric furnaces.			
2271				
	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

2272	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2273	Mercury	7439-97-6	NA	0.025 mg/l TCLP
2274	Nickel	7440-02-0	3.98	11 mg/l TCLP
2275	Selenium	7782-49-2	NA	5.7 mg/l TCLP
2276	Silver	7440-22-4	NA	0.14 mg/l TCLP
2277	Thallium	7440-28-0	NA	0.20 mg/l TCLP
	Zinc	7440-66-6	NA	4.3 mg/l TCLP
2278				
2279	K062			
2280				
2281	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).			
2282				
2283	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
2284				
2285	K069			
2286				
2287	Emission control dust or sludge from secondary lead smelting-Calcium sulfate (Low Lead)			
2288	Subcategory.			
2289				
	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
	Lead	7439-92-1	0.69	0.75 mg/l TCLP
2290				
2291	K069			
2292				
2293	Emission control dust or sludge from secondary lead smelting-Non-Calcium sulfate (High Lead)			
2294	Subcategory.			
2295				
	NA	NA	NA	RLEAD
2296				
2297	K071			
2298				
2299	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.			
2300				
	Mercury	7439-97-6	NA	0.20 mg/l TCLP
2296				
2297	K071			
2298				
2299	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.			
2300				

2301	Mercury	7439-97-6	NA	0.025 mg/l TCLP
2302				
2303	K071			
2304				
2305	All K071 wastewaters.			
2306	Mercury	7439-97-6	0.15	NA
2307				
2308	K073			
2309				
2310	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using			
2311	graphite anodes in chlorine production.			
2312	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
2313				
2314	K083			
2315				
2316	Distillation bottoms from aniline production.			
2317	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
2318				
2319	K084			
2320				
2321	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals			
2322	from arsenic or organo-arsenic compounds.			
2323	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP

2324				
2325	K085			
2326				
2327	Distillation or fractionation column bottoms from the production of chlorobenzenes.			
2328				
	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
2329				
2330	K086			
2331				
2332	Solvent wastes and sludges, caustic washes and sludges, or water washes and sludges from			
2333	cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and			
2334	stabilizers containing chromium and lead.			
2335				
	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
2336				
2337	K087			
2338				
2339	Decanter tank tar sludge from coking operations.			
2340				
	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
2341				
2342	K088			
2343				
2344	Spent potliners from primary aluminum reduction.			
2345				
	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
	<u>Indeno(1, 2, 3-cd)pyrene</u>	193-39-5	0.0055	3.4
	<u>Indeno(1,2,3-c,d)pyrene</u>			

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

2346

2347 K093

2348

2349 Distillation light ends from the production of phthalic anhydride from ortho-xylene.

2350

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

2351

2352 K094

2353

2354 Distillation bottoms from the production of phthalic anhydride from ortho-xylene.

2355

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

2356

2357 K095

2358

2359 Distillation bottoms from the production of 1,1,1-trichloroethane.

2360

2361	Hexachloroethane	67-72-1	0.055	30
2362	Pentachloroethane	76-01-7	0.055	6.0
2363	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
2364	1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
2365	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
2366	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.			
2367	K096			
2368				
2369	m-Dichlorobenzene	541-73-1	0.036	6.0
2370	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
2371	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.			
2372	K097			
2373				
2374	Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
2375	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
2376	Untreated process wastewater from the production of toxaphene.			
2377	K098			
2378				
2379	Toxaphene	8001-35-2	0.0095	2.6
2380	Untreated wastewater from the production of 2,4-D.			
	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10
	HxCDDs (All	NA	0.000063	0.001
	Hexachlorodibenzo-p-dioxins)			

2381	HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063	0.001
2382	PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063	0.001
2383	PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035	0.001
2384	TCDDs (All Tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063	0.001
2385	TCDFs (All Tetrachlorodibenzofurans)	55722-27-5	0.000063	0.001
2386				
2387	Waste leaching solution from acid leaching of emission control dust or sludge from secondary lead smelting.			
2388				
2389				
2390				
2391				
2392				
2393				
2394				
2395				
2396				
2397				
2398				
2399				
2400				

2401				
2402	Process residues from aniline extraction from the production of aniline.			
2403				
	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
2404				
2405	K104			
2406				
2407	Combined wastewater streams generated from nitrobenzene or aniline production.			
2408				
	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
2409				
2410	K105			
2411				
2412	Separated aqueous stream from the reactor product washing step in the production of			
2413	chlorobenzenes.			
2414				
	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
2415				
2416	K106			
2417				
2418	K106 (wastewater treatment sludge from the mercury cell process in chlorine production)			
2419	nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.			
2420				
	Mercury	7439-97-6	NA	RMERC
2421				
2422	K106			
2423				

2453	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine			
2454	(UDMH) from carboxylic acid hydrazides.			
2455	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2456				
2457	K110			
2458				
2459	Condensed column overheads from intermediate separation from the production of 1,1-			
2460	dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			
2461	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2462				
2463	K111			
2464				
2465	Product washwaters from the production of dinitrotoluene via nitration of toluene.			
2466	2,4-Dinitrotoluene	<u>121-14-2</u> <del>121-14-1</del>	0.32	140
	2,6-Dinitrotoluene	606-20-2	0.55	28
2467				
2468	K112			
2469				
2470	Reaction by-product water from the drying column in the production of toluenediamine via			
2471	hydrogenation of dinitrotoluene.			
2472	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
2473				
2474	K113			
2475				
2476	Condensed liquid light ends from the purification of toluenediamine in the production of			
2477	toluenediamine via hydrogenation of dinitrotoluene.			

2478	NA	NA	CARBN; or CMBST	CMBST
2479				
2480	K114			
2481				
2482	Vicinals from the purification of toluenediamine in the production of toluenediamine via			
2483	hydrogenation of dinitrotoluene.			
2484	NA	NA	CARBN; or CMBST	CMBST
2485				
2486	K115			
2487				
2488	Heavy ends from the purification of toluenediamine in the production of toluenediamine via			
2489	hydrogenation of dinitrotoluene.			
2490	Nickel	7440-02-0	3.98	11 mg/l TCLP
	NA	NA	CARBN; or CMBST	CMBST
2491				
2492	K116			
2493				
2494	Organic condensate from the solvent recovery column in the production of toluene diisocyanate			
2495	via phosgenation of toluenediamine.			
2496	NA	NA	CARBN; or CMBST	CMBST
2497				
2498	K117			
2499				
2500	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via			
2501	bromination of ethene.			
2502	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
2503				
2504	K118			
2505				

2506	Spent absorbent solids from purification of ethylene dibromide in the production of ethylene			
2507	dibromide via bromination of ethene.			
2508				
	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
2509				
2510	K123			
2511				
2512	Process wastewater (including supernates, filtrates, and washwaters) from the production of			
2513	ethylenebisdithiocarbamic acid and its salts.			
2514				
	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2515				
2516	K124			
2517				
2518	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.			
2519				
	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2520				
2521	K125			
2522				
2523	Filtration, evaporation, and centrifugation solids from the production of			
2524	ethylenebisdithiocarbamic acid and its salts.			
2525				
	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2526				
2527	K126			
2528				
2529	Baghouse dust and floor sweepings in milling and packaging operations from the production or			
2530	formulation of ethylenebisdithiocarbamic acid and its salts.			
2531				



NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
2532			
2533	K131		
2534			
2535	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of		
2536	methyl bromide.		
2537			
	Methyl bromide (Bromomethane)	74-83-9	0.11
			15
2538			
2539	K132		
2540			
2541	Spent absorbent and wastewater separator solids from the production of methyl bromide.		
2542			
	Methyl bromide (Bromomethane)	74-83-9	0.11
			15
2543			
2544	K136		
2545			
2546	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide		
2547	via bromination of ethene.		
2548			
	Methyl bromide (Bromomethane)	74-83-9	0.11
			15
	Chloroform	67-66-3	0.046
	Ethylene dibromide (1,2- Dibromoethane)	106-93-4	0.028
			15
2549			
2550	K141		
2551			
2552	Process residues from the recovery of coal tar, including, but not limited to, collecting sump		
2553	residues from the production of coke or the recovery of coke by-products produced from coal.		
2554	This listing does not include K087 (decanter tank tar sludge from coking operations).		
2555			
	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

2556	Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
2557	Chrysene	218-01-9	0.059	3.4
2558	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
2559	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
2560	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.			
2561	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
2562	Chrysene	218-01-9	0.059	3.4
2563	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
2564	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
2565	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.			
2566	Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	207-08-9	0.11	6.8
2567	Chrysene	218-01-9	0.059	3.4
2568	K144			
2569	K143			
2570	K144			

2571  
 2572 Wastewater sump residues from light oil refining, including, but not limited to, intercepting or  
 2573 contamination sump sludges from the recovery of coke by-products produced from coal.  
 2574

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

2575  
 2576 K145  
 2577  
 2578 Residues from naphthalene collection and recovery operations from the recovery of coke by-  
 2579 products produced from coal.  
 2580

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

2581  
 2582 K147  
 2583  
 2584 Tar storage tank residues from coal tar refining.  
 2585

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

2586	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
2587	K148			
2588				
2589	Residues from coal tar distillation, including, but not limited to, still bottoms.			
2590				
	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
2591				
2592	K149			
2593				
2594	Distillation bottoms from the production of $\alpha$ - (or methyl-) chlorinated toluenes, ring-chlorinated			
2595	toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This			
2596	waste does not include still bottoms from the distillations of benzyl chloride.)			
2597				
	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
2598				
2599	K150			
2600				
2601	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and			
2602	hydrochloric acid recovery processes associated with the production of $\alpha$ - (or methyl-)			
2603	chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures			
2604	of these functional groups.			
2605				
	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
2606				
2607	K151			
2608				
2609	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during			
2610	the treatment of wastewaters from the production of $\alpha$ - (or methyl-) chlorinated toluenes, ring-			
2611	chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional			
2612	groups.			
2613				
	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
2614				
2615	K156			
2616				
2617	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and			
2618	decantates) from the production of carbamates and carbamoyl oximes. <sup>10</sup>			
2619				
	Acetonitrile	75-05-8	5.6	1.8
	Acetophenone	<u>98-86-2</u>	0.010	9.7
		<del>96-86-2</del>		
	Aniline	62-53-3	0.81	14
	Benomyl	17804-35-2	0.056	1.4
	Benzene	71-43-2	0.14	10
	Carbaryl	63-25-21	0.006	0.14
	Carbenzadim	10605-21-7	0.056	1.4
	Carbofuran	1563-66-2	0.006	0.14
	Carbosulfan	55285-14-8	0.028	1.4
	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	16752-77-5	0.028	0.14

	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	1.5
2620				
2621	K157			
2622				
2623	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters)			
2624	from the production of carbamates and carbamoyl oximes.			
2625				
	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	16752-77-5	0.028	0.14
	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	1.5
2626				
2627	K158			
2628				
2629	Baghouse dusts and filter/separation solids from the production of carbamates and carbamoyl			
2630	oximes.			
2631				
	Benomyl	17804-35-2	0.056	1.4
	Benzene	71-43-2	0.14	10
	Carbenzadim	10605-21-7	0.056	1.4
	Carbofuran	1563-66-2	0.006	0.14
	Carbosulfan	55285-14-8	0.028	1.4
	Chloroform	67-66-3	0.046	6.0
	Methylene chloride	75-09-2	0.089	30
	Phenol	108-95-2	0.039	6.2
2632				
2633	K159			
2634				
2635	Organics from the treatment of thiocarbamate wastes. <sup>10</sup>			
2636				
	Benzene	71-43-2	0.14	10
	Butylate	2008-41-5	0.042	1.4
	EPTC (Eptam)	759-94-4	0.042	1.4

	Molinate	2212-67-1	0.042	1.4
	Pebulate	1114-71-2	0.042	1.4
	Vernolate	1929-77-7	0.042	1.4
2637				
2638	K161			
2639				
2640	Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust			
2641	and floor sweepings from the production of dithiocarbamate acids and their salts.			
2642				
	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)	137-30-4	0.028	28
	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>
2643				
2644	K169			
2645				
2646	Crude oil tank sediment from petroleum refining operations.			
2647				
	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
2648				
2649	K170			
2650				
2651	Clarified slurry oil sediment from petroleum refining operations.			
2652				
	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
2653				
2654	K171			
2655				
2656	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to			
2657	desulfurize feeds to other catalytic reactors. (This listing does not include inert support media.)			
2658				
	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
2659				
2660	K172			
2661				
2662	Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to			
2663	desulfurize feeds to other catalytic reactors. (This listing does not include inert support media.)			
2664				
	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
2665				
2666	K174			



2667				
2668	Wastewater treatment sludge from the production of ethylene dichloride or vinyl chloride			
2669	monomer.			
2670				
	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
2671				
2672	K175			
2673				
2674	Wastewater treatment sludge from the production of vinyl chloride monomer using mercuric			
2675	chloride catalyst in an acetylene-based process.			
2676				
	Mercury <sup>12</sup> PH <sup>12</sup>	7439-97-6	NA NA	0.025 mg/l TCLP pH ≤ 6.0
2677				
2678	K175			
2679				

2680	All K175 wastewaters.			
2681	Mercury	7439-97-6	0.15	NA
2682	K176			
2683	K176			
2684	K176			
2685	Baghouse filters from the production of antimony oxide, including filters from the production of			
2686	intermediates e.g., antimony metal or crude antimony oxide).			
2687	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
2688	K177			
2689	K177			
2690	K177			
2691	Slag from the production of antimony oxide that is speculatively accumulated or disposed,			
2692	including slag from the production of intermediates (e.g., antimony metal or crude antimony			
2693	oxide).			
2694	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
2695	K178			
2696	K178			
2697	K178			
2698	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids			
2699	formed during the production of titanium dioxide using the chloride-ilmenite process.			
2700	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

2701  
2702 K181  
2703  
2704 Nonwastewaters from the production of dyes or pigments (including nonwastewaters  
2705 commingled at the point of generation with nonwastewaters from other processes) that, at the  
2706 point of generation, contain mass loadings of any of the constituents identified in Section  
2707 721.132(c) which are equal to or greater than the corresponding Section 721.132(c) levels, as  
2708 determined on a calendar-year basis.  
2709

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

2710  
2711 P001  
2712  
2713 Warfarin, & salts, when present at concentrations greater than 0.3 percent.  
2714

2715	Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2716	P002			
2717				
2718	1-Acetyl-2-thiourea. 1-Acetyl-2-thiourea	591-08-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2719				
2720	P003			
2721				
2722	Acrolein.			
2723	Acrolein	107-02-8	0.29	CMBST
2724				
2725	P004			
2726				
2727	Aldrin.			
2728	Aldrin	309-00-2	0.021	0.066
2729				
2730	P005			
2731				
2732	Allyl alcohol.			
2733	Allyl alcohol	107-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2734				
2735	P006			
2736				
2737	Aluminum phosphide.			
2738	Aluminum phosphide	20859-73-8	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
2739				
2740	P007			
2741				

2742	5-Aminomethyl-3-isoxazolol.			
2743	5-Aminomethyl-3-isoxazolol	2763-96-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2744				
2745	P008			
2746				
2747	4-Aminopyridine.			
2748	4-Aminopyridine	504-24-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2749				
2750	P009			
2751				
2752	Ammonium picrate.			
2753	Ammonium picrate	131-74-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
2754				
2755	P010			
2756				
2757	Arsenic acid.			
2758	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2759				
2760	P011			
2761				
2762	Arsenic pentoxide.			
2763	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2764				
2765	P012			
2766				
2767	Arsenic trioxide.			
2768	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2769				
2770	P013			

2771				
2772	Barium cyanide.			
2773				
	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
2774				
2775	P014			
2776				
2777	Thiophenol (Benzene thiol).			
2778				
	Thiophenol (Benzene thiol)	108-98-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2779				
2780	P015			
2781				
2782	Beryllium dust.			
2783				
	Beryllium	7440-41-7	RMETL;or RTHRM	RMETL; or RTHRM
2784				
2785	P016			
2786				
2787	Dichloromethyl ether (Bis(chloromethyl)ether).			
2788				
	Dichloromethyl ether	542-88-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2789				
2790	P017			
2791				
2792	Bromoacetone.			
2793				
	Bromoacetone	598-31-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2794				
2795	P018			
2796				

2797	Brucine.			
2798	Brucine	357-57-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2799				
2800	P020			
2801				
2802	2-sec-Butyl-4,6-dinitrophenol (Dinoseb).			
2803	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
2804				
2805	P021			
2806				
2807	Calcium cyanide.			
2808	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2809				
2810	P022			
2811				
2812	Carbon disulfide.			
2813	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
2814				
2815	P023			
2816				
2817	Chloroacetaldehyde.			
2818	Chloroacetaldehyde	107-20-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2819				
2820	P024			
2821				
2822	p-Chloroaniline.			
2823				

2824	p-Chloroaniline	106-47-8	0.46	16
2825	P026			
2826				
2827	1-(o-Chlorophenyl)thiourea.			
2828	1-(o-Chlorophenyl)thiourea	5344-82-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2829				
2830	P027			
2831				
2832	3-Chloropropionitrile.			
2833	3-Chloropropionitrile	542-76-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2834				
2835	P028			
2836				
2837	Benzyl chloride.			
2838	Benzyl chloride	100-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2839				
2840	P029			
2841				
2842	Copper cyanide.			
2843	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2844				
2845	P030			
2846				
2847	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
2848				
2849	P031			



2850				
2851	Cyanogen.			
2852	Cyanogen	460-19-5	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
2853				
2854	P033			
2855				
2856	Cyanogen chloride.			
2857	Cyanogen chloride	506-77-4	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
2858				
2859	P034			
2860				
2861	2-Cyclohexyl-4,6-dinitrophenol.			
2862	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2863				
2864	P036			
2865				
2866	Dichlorophenylarsine.			
2867	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2868				
2869	P037			
2870				
2871	Dieldrin.			
2872	Dieldrin	60-57-1	0.017	0.13
2873				
2874	P038			
2875				
2876	Diethylarsine.			
2877	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
2878				
2879	P039			

2880				
2881	Disulfoton.			
2882	Disulfoton	298-04-4	0.017	6.2
2883				
2884	P040			
2885				
2886	O,O-Diethyl-O-pyrazinyl-phosphorothioate.			
2887	O,O-Diethyl-O-pyrazinylphosphorothioate	297-97-2	CARBN; or CMBST	CMBST
2888				
2889	P041			
2890				
2891	Diethyl-p-nitrophenyl phosphate.			
2892	Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or CMBST	CMBST
2893				
2894	P042			
2895				
2896	Epinephrine.			
2897	Epinephrine	51-43-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2898				
2899	P043			
2900				
2901	Diisopropylfluorophosphate (DFP).			
2902	Diisopropylfluorophosphate (DFP)	55-91-4	CARBN; or CMBST	CMBST
2903				
2904	P044			
2905				
2906	Dimethoate.			
2907	Dimethoate	60-51-5	CARBN; or CMBST	CMBST
2908				
2909	P045			

2910				
2911	Thiofanox.			
2912	Thiofanox	39196-18-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2913				
2914	P046			
2915				
2916	$\alpha,\alpha$ -Dimethylphenethylamine.			
2917	$\alpha,\alpha$ -Dimethylphenethylamine	122-09-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2918				
2919	P047			
2920				
2921	4,6-Dinitro-o-cresol.			
2922	4,6-Dinitro-o-cresol	543-52-1	0.28	160
2923				
2924	P047			
2925				
2926	4,6-Dinitro-o-cresol salts.			
2927	NA	NA	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2928				
2929	P048			
2930				
2931	2,4-Dinitrophenol.			
2932	2,4-Dinitrophenol	51-28-5	0.12	160
2933				
2934	P049			
2935				
2936	Dithiobiuret.			
2937				

	Dithiobiuret	541-53-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2938				
2939	P050			
2940				
2941	Endosulfan.			
2942				
	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
2943				
2944	P051			
2945				
2946	Endrin.			
2947				
	Endrin	72-20-8	0.0028	0.13
	Endrin aldehyde	7421-93-4	0.025	0.13
2948				
2949	P054			
2950				
2951	Aziridine.			
2952				
	Aziridine	151-56-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2953				
2954	P056			
2955				
2956	Fluorine.			
2957				
	Fluoride (measured in wastewaters only)	16964-48-8	35	ADGAS fb NEUTR
2958				
2959	P057			
2960				
2961	Fluoroacetamide.			
2962				

	Fluoroacetamide	640-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2963				
2964	P058			
2965				
2966	Fluoroacetic acid, sodium salt.			
2967	Fluoroacetic acid, sodium salt	62-74-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2968				
2969	P059			
2970				
2971	Heptachlor.			
2972	Heptachlor	76-44-8	0.0012	0.066
	Heptachlor epoxide	1024-57-3	0.016	0.066
2973				
2974	P060			
2975				
2976	Isodrin.			
2977	Isodrin	465-73-6	0.021	0.066
2978				
2979	P062			
2980				
2981	Hexaethyl tetraphosphate.			
2982	Hexaethyl tetraphosphate	757-58-4	CARBN; or CMBST	CMBST
2983				
2984	P063			
2985				
2986	Hydrogen cyanide.			
2987	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
2988				
2989	P064			
2990				

2991	Isocyanic acid, ethyl ester.			
2992	Isocyanic acid, ethyl ester	624-83-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
2993				
2994	P065			
2995				
2996	P065 (mercury fulminate) nonwastewaters, regardless of their total mercury content, that are not			
2997	incinerator residues or are not residues from RMERC.			
2998	Mercury	7439-97-6	NA	IMERC
2999				
3000	P065			
3001				
3002	P065 (mercury fulminate) nonwastewaters that are either incinerator residues or are residues			
3003	from RMERC; and contain greater than or equal to 260 mg/kg total mercury.			
3004	Mercury	7339-97-6	NA	RMERC
3005				
3006	P065			
3007				
3008	P065 (mercury fulminate) nonwastewaters that are residues from RMERC and contain less than			
3009	260 mg/kg total mercury.			
3010	Mercury	7439-97-6	NA	0.20 mg/l TCLP
3011				
3012	P065			
3013				
3014	P065 (mercury fulminate) nonwastewaters that are incinerator residues and contain less than 260			
3015	mg/kg total mercury.			
3016	Mercury	7439-97-6	NA	0.025 mg/l TCLP
3017				
3018	P065			
3019				
3020	All P065 (mercury fulminate) wastewaters.			
3021	Mercury	7439-97-6	0.15	NA
3022				
3023	P066			
3024				

3025	Methomyl.			
3026	Methomyl	16752-77-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3027				
3028	P067			
3029				
3030	2-Methyl-aziridine.			
3031	2-Methyl-aziridine	75-55-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3032				
3033	P068			
3034				
3035	Methyl hydrazine.			
3036	Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED, or CMBST
3037				
3038	P069			
3039				
3040	2-Methylactonitrile.			
3041	2-Methylactonitrile	75-86-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3042				
3043	P070			
3044				
3045	Aldicarb.			
3046	Aldicarb	116-06-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3047				
3048	P071			

3049				
3050	Methyl parathion.			
3051	Methyl parathion	298-00-0	0.014	4.6
3052				
3053	P072			
3054				
3055	1-Naphthyl-2-thiourea.			
3056	1-Naphthyl-2-thiourea	86-88-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3057				
3058	P073			
3059				
3060	Nickel carbonyl.			
3061	Nickel	7440-02-0	3.98	11 mg/l TCLP
3062				
3063	P074			
3064				
3065	Nickel cyanide.			
3066	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
3067				
3068	P075			
3069				
3070	Nicotine and salts.			
3071	Nicotine and salts	54-11-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3072				
3073	P076			
3074				
3075	Nitric oxide.			
3076	Nitric oxide	10102-43-9	ADGAS	ADGAS
3077				



3078	P077			
3079				
3080	p-Nitroaniline.			
3081				
	p-Nitroaniline	100-01-6	0.028	28
3082				
3083	P078			
3084				
3085	Nitrogen dioxide.			
3086				
	Nitrogen dioxide	10102-44-0	ADGAS	ADGAS
3087				
3088	P081			
3089				
3090	Nitroglycerin.			
3091				
	Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG or CMBST	CHOXD; CHRED; or CMBST
3092				
3093	P082			
3094				
3095	N-Nitrosodimethylamine.			
3096				
	N-Nitrosodimethylamine	62-75-9	0.40	2.3
3097				
3098	P084			
3099				
3100	N-Nitrosomethylvinylamine.			
3101				
	N-Nitrosomethylvinylamine	4549-40-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3102				
3103	P085			
3104				
3105	Octamethylpyrophosphoramidate.			
3106				
	Octamethylpyrophosphoramidate	152-16-9	CARBN; or CMBST	CMBST
3107				
3108	P087			

3109				
3110	Osmium tetroxide.			
3111	Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM
3112				
3113	P088			
3114				
3115	Endothall.			
3116	Endothall	145-73-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3117				
3118	P089			
3119				
3120	Parathion.			
3121	Parathion	56-38-2	0.014	4.6
3122				
3123	P092			
3124				
3125	P092 (phenyl mercuric acetate) nonwastewaters, regardless of their total mercury content, that			
3126	are not incinerator residues or are not residues from RMERC.			
3127	Mercury	7439-97-6	NA	IMERC; or RMERC
3128				
3129	P092			
3130				
3131	P092 (phenyl mercuric acetate) nonwastewaters that are either incinerator residues or are			
3132	residues from RMERC; and still contain greater than or equal to 260 mg/kg total mercury.			
3133	Mercury	7439-97-6	NA	RMERC
3134				
3135	P092			
3136				
3137	P092 (phenyl mercuric acetate) nonwastewaters that are residues from RMERC and contain less			
3138	than 260 mg/kg total mercury.			
3139	Mercury	7439-97-6	NA	0.20 mg/l TCLP
3140				

3141	P092			
3142				
3143	P092 (phenyl mercuric acetate) nonwastewaters that are incinerator residues and contain less			
3144	than 260 mg/kg total mercury.			
3145				
	Mercury	7439-97-6	NA	0.025 mg/l TCLP
3146				
3147	P092			
3148				
3149	All P092 (phenyl mercuric acetate) wastewaters.			
3150				
	Mercury	7439-97-6	0.15	NA
3151				
3152	P093			
3153				
3154	Phenylthiourea.			
3155				
	Phenylthiourea	103-85-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3156				
3157	P094			
3158				
3159	Phorate.			
3160				
	Phorate	298-02-2	0.021	4.6
3161				
3162	P095			
3163				
3164	Phosgene.			
3165				
	Phosgene	75-44-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3166				
3167	P096			
3168				
3169	Phosphine.			
3170				
	Phosphine	7803-51-2	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST

3171				
3172	P097			
3173				
3174	Famphur.			
3175	Famphur	52-85-7	0.017	15
3176				
3177	P098			
3178				
3179	Potassium cyanide.			
3180	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3181				
3182	P099			
3183				
3184	Potassium silver cyanide.			
3185	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
3186				
3187	P101			
3188				
3189	Ethyl cyanide (Propanenitrile).			
3190	Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
3191				
3192	P102			
3193				
3194	Propargyl alcohol.			
3195	Propargyl alcohol	107-19-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3196				
3197	P103			
3198				
3199	Selenourea.			
3200	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
3201				

3202	P104			
3203				
3204	Silver cyanide.			
3205				
	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
3206				
3207	P105			
3208				
3209	Sodium azide.			
3210				
	Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3211				
3212	P106			
3213				
3214	Sodium cyanide.			
3215				
	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3216				
3217	P108			
3218				
3219	Strychnine and salts.			
3220				
	Strychnine and salts	57-24-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3221				
3222	P109			
3223				
3224	Tetraethyldithiopyrophosphate.			
3225				
	Tetraethyldithiopyrophosphate	3689-24-5	CARBN; or CMBST	CMBST
3226				
3227	P110			
3228				
3229	Tetraethyl lead.			
3230				

3231	Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
3232	P111			
3233				
3234	Tetraethylpyrophosphate.			
3235	Tetraethylpyrophosphate	107-49-3	CARBN; or CMBST	CMBST
3236				
3237	P112			
3238				
3239	Tetranitromethane.			
3240	Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3241				
3242	P113			
3243				
3244	Thallic oxide.			
3245	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
3246				
3247	P114			
3248				
3249	Thallium selenite.			
3250	Selenium	7782-49-2	0.82	5.7 mg/ℓ TCLP
3251				
3252	P115			
3253				
3254	Thallium (I) sulfate.			
3255	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
3256				
3257	P116			
3258				
3259	Thiosemicarbazide.			
3260				

3261	Thiosemicarbazide	79-19-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3262	P118			
3263				
3264	Trichloromethanethiol.			
3265	Trichloromethanethiol	75-70-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3266				
3267	P119			
3268				
3269	Ammonium vanadate.			
3270	Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
3271				
3272	P120			
3273				
3274	Vanadium pentoxide.			
3275	Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
3276				
3277	P121			
3278				
3279	Zinc cyanide.			
3280	Cyanides (Total) <sup>7</sup>	57-12-5	1.2	590
	Cyanides (Amenable) <sup>7</sup>	57-12-5	0.86	30
3281				
3282	P122			
3283				
3284	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10 percent.			
3285	Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
3286				
3287	P123			

3288				
3289	Toxaphene.			
3290	Toxaphene	8001-35-2	0.0095	2.6
3291				
3292	P127			
3293				
3294	Carbofuran.			
3295	Carbofuran	1563-66-2	0.006	0.14
3296				
3297	P128			
3298				
3299	Mexacarbate.			
3300	Mexacarbate	315-18-4	0.056	1.4
3301				
3302	P185			
3303				
3304	Tirpate. <sup>10</sup>			
3305	Tirpate	26419-73-8	0.056	0.28
3306				
3307	P188			
3308				
3309	Physostigimine salicylate.			
3310	Physostigimine salicylate	57-64-7	0.056	1.4
3311				
3312	P189			
3313				
3314	Carbosulfan.			
3315	Carbosulfan	55285-14-8	0.028	1.4
3316				
3317	P190			
3318				
3319	Metolcarb.			
3320	Metolcarb	1129-41-5	0.056	1.4
3321				
3322	P191			
3323				



3324	Dimetilan. <sup>10</sup>			
3325	Dimetilan	644-64-4	0.056	1.4
3326	P192			
3327	P192			
3328	Isolan. <sup>10</sup>			
3329	Isolan	119-38-0	0.056	1.4
3330	Isolan			
3331	P194			
3332	P194			
3333	Oxamyl.			
3334	Oxamyl	23135-22-0	0.056	0.28
3335	P196			
3336	P196			
3337	P196			
3338	Manganese dimethyldithiocarbamates (total).			
3339	Dithiocarbamates (total)	NA	0.028	28
3340	P197			
3341	P197			
3342	P197			
3343	Formparanate. <sup>10</sup>			
3344	Formparanate	17702-57-7	0.056	1.4
3345	P198			
3346	P198			
3347	P198			
3348	Formetanate hydrochloride.			
3349	Formetanate hydrochloride	23422-53-9	0.056	1.4
3350	P199			
3351	P199			
3352	P199			
3353	Methiocarb.			
3354	Methiocarb	2032-65-7	0.056	1.4
3355	P201			
3356	P201			
3357	P201			
3358	Promecarb.			
3359	Promecarb.			

3360	Promecarb	2631-37-0	0.056	1.4
3361	P202			
3362				
3363	m-Cumenyl methylcarbamate.			
3364	m-Cumenyl methylcarbamate	64-00-6	0.056	1.4
3365				
3366	P203			
3367				
3368	Aldicarb sulfone.			
3369	Aldicarb sulfone	1646-88-4	0.056	0.28
3370				
3371	P204			
3372				
3373	Physostigmine.			
3374	Physostigmine	57-47-6	0.056	1.4
3375				
3376	P205			
3377				
3378	Ziram.			
3379	Dithiocarbamates (total)	NA	0.028	28
3380				
3381	U001			
3382				
3383	Acetaldehyde.			
3384	Acetaldehyde	75-07-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3385				
3386	U002			
3387				
3388	Acetone.			
3389	Acetone	67-64-1	0.28	160
3390				
3391	U003			
3392				

3393	Acetonitrile.			
3394	Acetonitrile	75-05-8	5.6	CMBST
	Acetonitrile; alternate <sup>6</sup> standard for nonwastewaters only	75-05-8	NA	38
3395				
3396	U004			
3397				
3398	Acetophenone.			
3399	Acetophenone	98-86-2	0.010	9.7
3400				
3401	U005			
3402				
3403	2-Acetylaminofluorene.			
3404	2-Acetylaminofluorene	53-96-3	0.059	140
3405				
3406	U006			
3407				
3408	Acetyl chloride.			
3409	Acetyl chloride	75-36-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3410				
3411	U007			
3412				
3413	Acrylamide.			
3414	Acrylamide	79-06-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3415				
3416	U008			
3417				
3418	Acrylic acid.			
3419				

	Acrylic acid	79-10-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3420				
3421	U009			
3422				
3423	Acrylonitrile.			
3424				
	Acrylonitrile	107-13-1	0.24	84
3425				
3426	U010			
3427				
3428	Mitomycin C.			
3429				
	Mitomycin C	50-07-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3430				
3431	U011			
3432				
3433	Amitrole.			
3434				
	Amitrole	61-82-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3435				
3436	U012			
3437				
3438	Aniline.			
3439				
	Aniline	62-53-3	0.81	14
3440				
3441	U014			
3442				
3443	Auramine.			
3444				
	Auramine	492-80-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST

3445				
3446	U015			
3447				
3448	Azaserine.			
3449	Azaserine	115-02-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3450				
3451	U016			
3452				
3453	Benz(c)acridine.			
3454	Benz(c)acridine	225-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3455				
3456	U017			
3457				
3458	Benzal chloride.			
3459	Benzal chloride	98-87-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3460				
3461	U018			
3462				
3463	Benz(a)anthracene.			
3464	Benz(a)anthracene	56-55-3	0.059	3.4
3465				
3466	U019			
3467				
3468	Benzene.			
3469	Benzene	71-43-2	0.14	10
3470				
3471	U020			
3472				
3473	Benzenesulfonyl chloride.			

3474	Benzenesulfonyl chloride	98-09-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3475				
3476	U021			
3477				
3478	Benzidine.			
3479	Benzidine	92-87-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3480				
3481	U022			
3482				
3483	Benzo(a)pyrene.			
3484	Benzo(a)pyrene	50-32-8	0.061	3.4
3485				
3486	U023			
3487				
3488	Benzotrichloride.			
3489	Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3490				
3491	U024			
3492				
3493	bis(2-Chloroethoxy)methane.			
3494	bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
3495				
3496	U025			
3497				
3498	bis(2-Chloroethyl)ether.			
3499	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
3500				
3501	U026			
3502				

3503	Chlornaphazine.			
3504	Chlornaphazine	494-03-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3505				
3506	U027			
3507				
3508	bis(2-Chloroisopropyl)ether.			
3509	bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
3510				
3511	U028			
3512				
3513	bis(2-Ethylhexyl)phthalate.			
3514	bis(2-Ethylhexyl)phthalate	117-81-7	0.28	28
3515				
3516	U029			
3517				
3518	Methyl bromide (Bromomethane).			
3519	Methyl bromide (Bromomethane)	74-83-9	0.11	15
3520				
3521	U030			
3522				
3523	4-Bromophenyl phenyl ether.			
3524	4-Bromophenyl phenyl ether	101-55-3	0.055	15
3525				
3526	U031			
3527				
3528	n-Butyl alcohol.			
3529	n-Butyl alcohol	71-36-3	5.6	2.6
3530				
3531	U032			
3532				
3533	Calcium chromate.			
3534	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

3535				
3536	U033			
3537				
3538	Carbon oxyfluoride.			
3539	Carbon oxyfluoride	353-50-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3540				
3541	U034			
3542				
3543	Trichloroacetaldehyde (Chloral).			
3544	Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3545				
3546	U035			
3547				
3548	Chlorambucil.			
3549	Chlorambucil	305-03-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3550				
3551	U036			
3552				
3553	Chlordane.			
3554	Chlordane ( $\alpha$ and $\chi$ isomers)	57-74-9	0.0033	0.26
3555				
3556	U037			
3557				
3558	Chlorobenzene.			
3559	Chlorobenzene	108-90-7	0.057	6.0
3560				
3561	U038			
3562				
3563	Chlorobenzilate.			



3564	Chlorobenzilate	510-15-6	0.10	CMBST
3565				
3566	U039			
3567				
3568	p-Chloro-m-cresol.			
3569	p-Chloro-m-cresol	59-50-7	0.018	14
3570				
3571	U041			
3572				
3573	Epichlorohydrin (1-Chloro-2,3-epoxypropane).			
3574	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3575				
3576	U042			
3577				
3578	2-Chloroethyl vinyl ether.			
3579	2-Chloroethyl vinyl ether	110-75-8	0.062	CMBST
3580				
3581	U043			
3582				
3583	Vinyl chloride.			
3584	Vinyl chloride	75-01-4	0.27	6.0
3585				
3586	U044			
3587				
3588	Chloroform.			
3589	Chloroform	67-66-3	0.046	6.0
3590				
3591	U045			
3592				
3593	Chloromethane (Methyl chloride).			
3594	Chloromethane (Methyl chloride)	74-87-3	0.19	30
3595				

3596	U046			
3597				
3598	Chloromethyl methyl ether.			
3599	Chloromethyl methyl ether	107-30-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3600				
3601	U047			
3602				
3603	2-Chloronaphthalene.			
3604	2-Chloronaphthalene	91-58-7	0.055	5.6
3605				
3606	U048			
3607				
3608	2-Chlorophenol.			
3609	2-Chlorophenol	95-57-8	0.044	5.7
3610				
3611	U049			
3612				
3613	4-Chloro-o-toluidine hydrochloride.			
3614	4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3615				
3616	U050			
3617				
3618	Chrysene.			
3619	Chrysene	218-01-9	0.059	3.4
3620				
3621	U051			
3622				
3623	Creosote.			
3624	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
3625				
3626	U052			
3627				
3628	Cresols (Cresylic acid).			
3629				
	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
3630				
3631	U053			
3632				
3633	Crotonaldehyde.			
3634				
	Crotonaldehyde	4170-30-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3635				
3636	U055			
3637				
3638	Cumene.			
3639				
	Cumene	98-82-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3640				
3641	U056			
3642				
3643	Cyclohexane.			
3644				

	Cyclohexane	110-82-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3645				
3646	U057			
3647				
3648	Cyclohexanone.			
3649				
	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
3650				
3651	U058			
3652				
3653	Cyclophosphamide.			
3654				
	Cyclophosphamide	50-18-0	CARBN; or CMBST	CMBST
3655				
3656	U059			
3657				
3658	Daunomycin.			
3659				
	Daunomycin	20830-81-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3660				
3661	U060			
3662				
3663	DDD.			
3664				
	o,p'-DDD	53-19-0	0.023	0.087
	p,p'-DDD	72-54-8	0.023	0.087
3665				
3666	U061			
3667				
3668	DDT.			
3669				
	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
3670				
3671	U062			
3672				
3673	Diallate.			
3674	Diallate	2303-16-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3675				
3676	U063			
3677				
3678	Dibenz(a,h)anthracene.			
3679	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
3680				
3681	U064			
3682				
3683	Dibenz(a,i)pyrene.			
3684	Dibenz(a,i)pyrene	189-55-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3685				
3686	U066			
3687				
3688	1,2-Dibromo-3-chloropropane.			
3689	1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
3690				
3691	U067			
3692				
3693	Ethylene dibromide (1,2-Dibromoethane).			
3694	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
3695				
3696	U068			

3697				
3698	Dibromomethane.			
3699	Dibromomethane	74-95-3	0.11	15
3700				
3701	U069			
3702				
3703	Di-n-butyl phthalate.			
3704	Di-n-butyl phthalate	84-74-2	0.057	28
3705				
3706	U070			
3707				
3708	o-Dichlorobenzene.			
3709	o-Dichlorobenzene	95-50-1	0.088	6.0
3710				
3711	U071			
3712				
3713	m-Dichlorobenzene.			
3714	m-Dichlorobenzene	541-73-1	0.036	6.0
3715				
3716	U072			
3717				
3718	p-Dichlorobenzene.			
3719	p-Dichlorobenzene	106-46-7	0.090	6.0
3720				
3721	U073			
3722				
3723	3,3'-Dichlorobenzidine.			
3724	3,3'-Dichlorobenzidine	91-94-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3725				
3726	U074			
3727				
3728	1,4-Dichloro-2-butene.			
3729				

	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
3730				
3731	U075			
3732				
3733	Dichlorodifluoromethane.			
3734	Dichlorodifluoromethane	75-71-8	0.23	7.2
3735				
3736	U076			
3737				
3738	1,1-Dichloroethane.			
3739	1,1-Dichloroethane	75-34-3	0.059	6.0
3740				
3741	U077			
3742				
3743	1,2-Dichloroethane.			
3744	1,2-Dichloroethane	107-06-2	0.21	6.0
3745				
3746	U078			
3747				
3748	1,1-Dichloroethylene.			
3749	1,1-Dichloroethylene	75-35-4	0.025	6.0
3750				
3751	U079			
3752				
3753	1,2-Dichloroethylene.			
3754	trans-1,2-Dichloroethylene	156-60-5	0.054	30
3755				
3756	U080			
3757				
3758	Methylene chloride.			
3759				

3760	Methylene chloride	75-09-2	0.089	30
3761	U081			
3762				
3763	2,4-Dichlorophenol.			
3764				
3765	2,4-Dichlorophenol	120-83-2	0.044	14
3766	U082			
3767				
3768	2,6-Dichlorophenol.			
3769				
3770	2,6-Dichlorophenol	87-65-0	0.044	14
3771	U083			
3772				
3773	1,2-Dichloropropane.			
3774				
3775	1,2-Dichloropropane	78-87-5	0.85	18
3776	U084			
3777				
3778	1,3-Dichloropropylene.			
3779				
	cis-1,3-Dichloropropylene	10061-01-5	0.036	18
	trans-1,3-Dichloropropylene	10061-02-6	0.036	18
3780				
3781	U085			
3782				
3783	1,2:3,4-Diepoxybutane.			
3784				
	1,2:3,4-Diepoxybutane	1464-53-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3785				
3786	U086			
3787				
3788	N,N'-Diethylhydrazine.			
3789				
	N,N'-Diethylhydrazine	1615-80-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST



3790				
3791	U087			
3792				
3793	O,O-Diethyl-S-methyldithiophosphate.			
3794	O,O-Diethyl-S-methyldithiophosphate	3288-58-2	CARBN; or CMBST	CMBST
3795				
3796	U088			
3797				
3798	Diethyl phthalate.			
3799	Diethyl phthalate	84-66-2	0.20	28
3800				
3801	U089			
3802				
3803	Diethyl stilbestrol.			
3804	Diethyl stilbestrol	56-53-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3805				
3806	U090			
3807				
3808	Dihydrosafrole.			
3809	Dihydrosafrole	94-58-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3810				
3811	U091			
3812				
3813	3,3'-Dimethoxybenzidine.			
3814	3,3'-Dimethoxybenzidine	119-90-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3815				
3816	U092			
3817				

3818	Dimethylamine.				
3819	Dimethylamine	124-40-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3820					
3821	U093				
3822					
3823	p-Dimethylaminoazobenzene.				
3824	p-Dimethylaminoazobenzene	60-11-7	0.13	CMBST	
3825					
3826	U094				
3827					
3828	7,12-Dimethylbenz(a)anthracene.				
3829	7,12-Dimethylbenz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3830					
3831	U095				
3832					
3833	3,3'-Dimethylbenzidine.				
3834	3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST	
3835					
3836	U096				
3837					
3838	$\alpha$ , $\alpha$ -Dimethyl benzyl hydroperoxide.				
3839	$\alpha$ , $\alpha$ -Dimethyl benzyl hydroperoxide	80-15-9	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST	
3840					
3841	U097				
3842					
3843	Dimethylcarbamoyl chloride.				
3844					

	Dimethylcarbamoyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3845				
3846	U098			
3847				
3848	1,1-Dimethylhydrazine.			
3849	1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3850				
3851	U099			
3852				
3853	1,2-Dimethylhydrazine.			
3854	1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3855				
3856	U101			
3857				
3858	2,4-Dimethylphenol.			
3859	2,4-Dimethylphenol	105-67-9	0.036	14
3860				
3861	U102			
3862				
3863	Dimethyl phthalate.			
3864	Dimethyl phthalate	131-11-3	0.047	28
3865				
3866	U103			
3867				
3868	Dimethyl sulfate.			
3869	Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
3870				
3871	U105			
3872				

3873	2,4-Dinitrotoluene.			
3874	2,4-Dinitrotoluene	121-14-2	0.32	140
3875				
3876	U106			
3877				
3878	2,6-Dinitrotoluene.			
3879	2,6-Dinitrotoluene	606-20-2	0.55	28
3880				
3881	U107			
3882				
3883	Di-n-octyl phthalate.			
3884	Di-n-octyl phthalate	117-84-0	0.017	28
3885				
3886	U108			
3887				
3888	1,4-Dioxane.			
3889	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
3890				
3891	U109			
3892				
3893	1,2-Diphenylhydrazine.			
3894	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
3895				
3896	U110			
3897				
3898	Dipropylamine.			
3899				

	Dipropylamine	142-84-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3900				
3901	U111			
3902				
3903	Di-n-propylnitrosamine.			
3904				
	Di-n-propylnitrosamine	621-64-7	0.40	14
3905				
3906	U112			
3907				
3908	Ethyl acetate.			
3909				
	Ethyl acetate	141-78-6	0.34	33
3910				
3911	U113			
3912				
3913	Ethyl acrylate.			
3914				
	Ethyl acrylate	140-88-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3915				
3916	U114			
3917				
3918	Ethylenebisdithiocarbamic acid salts and esters.			
3919				
	Ethylenebisdithiocarbamic acid	111-54-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3920				
3921	U115			
3922				
3923	Ethylene oxide.			
3924				
	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
3925				
3926	U116			
3927				
3928	Ethylene thiourea.			
3929	Ethylene thiourea	96-45-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3930				
3931	U117			
3932				
3933	Ethyl ether.			
3934	Ethyl ether	60-29-7	0.12	160
3935				
3936	U118			
3937				
3938	Ethyl methacrylate.			
3939	Ethyl methacrylate	97-63-2	0.14	160
3940				
3941	U119			
3942				
3943	Ethyl methane sulfonate.			
3944	Ethyl methane sulfonate	62-50-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3945				
3946	U120			
3947				
3948	Fluoranthene.			
3949	Fluoranthene	206-44-0	0.068	3.4
3950				
3951	U121			
3952				
3953	Trichloromonofluoromethane.			
3954				

3955	Trichloromonofluoromethane	75-69-4	0.020	30
3956	U122			
3957				
3958	Formaldehyde.			
3959	Formaldehyde	50-00-0	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3960				
3961	U123			
3962				
3963	Formic acid.			
3964	Formic acid	64-18-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3965				
3966	U124			
3967				
3968	Furan.			
3969	Furan	110-00-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3970				
3971	U125			
3972				
3973	Furfural.			
3974	Furfural	98-01-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
3975				
3976	U126			
3977				
3978	Glycidylaldehyde.			
3979				

			(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
	Glycidylaldehyde	765-34-4		
3980				
3981	U127			
3982				
3983	Hexachlorobenzene.			
3984	Hexachlorobenzene	118-74-1	0.055	10
3985				
3986	U128			
3987				
3988	Hexachlorobutadiene.			
3989	Hexachlorobutadiene	87-68-3	0.055	5.6
3990				
3991	U129			
3992				
3993	Lindane.			
3994	$\alpha$ -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
3995				
3996	U130			
3997				
3998	Hexachlorocyclopentadiene.			
3999	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
4000				
4001	U131			
4002				
4003	Hexachloroethane.			
4004	Hexachloroethane	67-72-1	0.055	30
4005				
4006	U132			
4007				
4008	Hexachlorophene.			
4009				



	Hexachlorophene	70-30-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4010				
4011	U133			
4012				
4013	Hydrazine.			
4014	Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
4015				
4016	U134			
4017				
4018	Hydrogen fluoride.			
4019	Fluoride (measured in wastewaters only)	<u>7664-39-3</u> <del>16964-48-8</del>	35	ADGAS fb NEUTR; or NEUTR
4020				
4021	U135			
4022				
4023	Hydrogen sulfide.			
4024	Hydrogen sulfide	7783-06-4	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4025				
4026	U136			
4027				
4028	Cacodylic acid.			
4029	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
4030				
4031	U137			
4032				
4033	<u>Indenol(1,2,3-cd)pyrene.</u>			
4034	<del>Indeno(1,2,3-c,d)pyrene.</del>			
4035	<u>Indenol(1,2,3-cd)pyrene</u> <del>Indeno(1,2,3-c,d)pyrene</del>	193-39-5	0.0055	3.4
4036				
4037	U138			

4038				
4039	Iodomethane.			
4040	Iodomethane	74-88-4	0.19	65
4041				
4042	U140			
4043				
4044	Isobutyl alcohol.			
4045	Isobutyl alcohol	78-83-1	5.6	170
4046				
4047	U141			
4048				
4049	Isosafrole.			
4050	Isosafrole	120-58-1	0.081	2.6
4051				
4052	U142			
4053				
4054	Kepone.			
4055	Kepone	143-50-8	0.0011	0.13
4056				
4057	U143			
4058				
4059	Lasiocarpine.			
4060	Lasiocarpine	303-34-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4061				
4062	U144			
4063				
4064	Lead acetate.			
4065	Lead	7439-92-1	0.69	0.75 mg/l TCLP
4066				
4067	U145			
4068				
4069	Lead phosphate.			
4070	Lead	7439-92-1	0.69	0.75 mg/l TCLP

4071				
4072	U146			
4073				
4074	Lead subacetate.			
4075	Lead	7439-92-1	0.69	0.75 mg/l TCLP
4076				
4077	U147			
4078				
4079	Maleic anhydride.			
4080	Maleic anhydride	108-31-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4081				
4082	U148			
4083				
4084	Maleic hydrazide.			
4085	Maleic hydrazide	123-33-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4086				
4087	U149			
4088				
4089	Malononitrile.			
4090	Malononitrile	109-77-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4091				
4092	U150			
4093				
4094	Melphalan.			
4095	Melphalan	148-82-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4096				

4097	U151			
4098				
4099	U151 (mercury) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.			
4100	Mercury	7439-97-6	NA	RMERC
4101				
4102	U151			
4103				
4104	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are			
4105	residues from RMERC only.			
4106	Mercury	7439-97-6	NA	0.20 mg/l TCLP
4107				
4108	U151			
4109				
4110	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are not			
4111	residues from RMERC only.			
4112	Mercury	7439-97-6	NA	0.025 mg/l TCLP
4113				
4114	U151			
4115				
4116	All U151 (mercury) wastewater.			
4117	Mercury	7439-97-6	0.15	NA
4118				
4119	U151			
4120				
4121	Elemental Mercury Contaminated with Radioactive Materials.			
4122	Mercury	7439-97-6	NA	AMLGM
4123				
4124	U152			
4125				
4126	Methacrylonitrile.			
4127	Methacrylonitrile	126-98-7	0.24	84
4128				
4129	U153			
4130				
4131	Methanethiol.			
4132				

	Methanethiol	74-93-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4133				
4134	U154			
4135				
4136	Methanol.			
4137				
	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
4138				
4139	U155			
4140				
4141	Methapyrilene.			
4142				
	Methapyrilene	91-80-5	0.081	1.5
4143				
4144	U156			
4145				
4146	Methyl chlorocarbonate.			
4147				
	Methyl chlorocarbonate	79-22-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4148				
4149	U157			
4150				
4151	3-Methylcholanthrene.			
4152				
	3-Methylcholanthrene	56-49-5	0.0055	15
4153				
4154	U158			
4155				
4156	4,4'-Methylene bis(2-chloroaniline).			
4157				

4158	4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
4159	U159			
4160				
4161	Methyl ethyl ketone.			
4162				
4163	Methyl ethyl ketone	78-93-3	0.28	36
4164	U160			
4165				
4166	Methyl ethyl ketone peroxide.			
4167				
4168	Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
4169	U161			
4170				
4171	Methyl isobutyl ketone.			
4172				
4173	Methyl isobutyl ketone	108-10-1	0.14	33
4174	U162			
4175				
4176	Methyl methacrylate.			
4177				
4178	Methyl methacrylate	80-62-6	0.14	160
4179	U163			
4180				
4181	N-Methyl-N'-nitro-N-nitrosoguanidine.			
4182				
4183	N-Methyl-N'-nitro-N-nitrosoguanidine	70-25-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4184	U164			
4185				
4186	Methylthiouracil.			
4187				

	Methylthiouracil	56-04-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4188				
4189	U165			
4190				
4191	Naphthalene.			
4192				
	Naphthalene	91-20-3	0.059	5.6
4193				
4194	U166			
4195				
4196	1,4-Naphthoquinone.			
4197				
	1,4-Naphthoquinone	130-15-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4198				
4199	U167			
4200				
4201	1-Naphthylamine.			
4202				
	1-Naphthylamine	134-32-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4203				
4204	U168			
4205				
4206	2-Naphthylamine.			
4207				
	2-Naphthylamine	91-59-8	0.52	CMBST
4208				
4209	U169			
4210				
4211	Nitrobenzene.			
4212				
	Nitrobenzene	98-95-3	0.068	14
4213				
4214	U170			
4215				

4216	p-Nitrophenol.			
4217	p-Nitrophenol	100-02-7	0.12	29
4218				
4219	U171			
4220				
4221	2-Nitropropane.			
4222	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4223				
4224	U172			
4225				
4226	N-Nitrosodi-n-butylamine.			
4227	N-Nitrosodi-n-butylamine	924-16-3	0.40	17
4228				
4229	U173			
4230				
4231	N-Nitrosodiethanolamine.			
4232	N-Nitrosodiethanolamine	1116-54-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4233				
4234	U174			
4235				
4236	N-Nitrosodiethylamine.			
4237	N-Nitrosodiethylamine	55-18-5	0.40	28
4238				
4239	U176			
4240				
4241	N-Nitroso-N-ethylurea.			
4242	N-Nitroso-N-ethylurea	759-73-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4243				



4244	U177			
4245				
4246	N-Nitroso-N-methylurea.			
4247	N-Nitroso-N-methylurea	684-93-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4248				
4249	U178			
4250				
4251	N-Nitroso-N-methylurethane.			
4252	N-Nitroso-N-methylurethane	615-53-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4253				
4254	U179			
4255				
4256	N-Nitrosopiperidine.			
4257	N-Nitrosopiperidine	100-75-4	0.013	35
4258				
4259	U180			
4260				
4261	N-Nitrosopyrrolidine.			
4262	N-Nitrosopyrrolidine	930-55-2	0.013	35
4263				
4264	U181			
4265				
4266	5-Nitro-o-toluidine.			
4267	5-Nitro-o-toluidine	99-55-8	0.32	28
4268				
4269	U182			
4270				
4271	Paraldehyde.			
4272				

	Paraldehyde	123-63-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4273				
4274	U183			
4275				
4276	Pentachlorobenzene.			
4277				
	Pentachlorobenzene	608-93-5	0.055	10
4278				
4279	U184			
4280				
4281	Pentachloroethane.			
4282				
	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
4283				
4284	U185			
4285				
4286	Pentachloronitrobenzene.			
4287				
	Pentachloronitrobenzene	82-68-8	0.055	4.8
4288				
4289	U186			
4290				
4291	1,3-Pentadiene.			
4292				
	1,3-Pentadiene	504-60-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4293				
4294	U187			
4295				
4296	Phenacetin.			
4297				
	Phenacetin	62-44-2	0.081	16

4298				
4299	U188			
4300				
4301	Phenol.			
4302	Phenol	108-95-2	0.039	6.2
4303				
4304	U189			
4305				
4306	Phosphorus sulfide.			
4307	Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4308				
4309	U190			
4310				
4311	Phthalic anhydride.			
4312	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
4313				
4314	U191			
4315				
4316	2-Picoline.			
4317	2-Picoline	109-06-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4318				
4319	U192			
4320				
4321	Pronamide.			
4322	Pronamide	23950-58-5	0.093	1.5
4323				
4324	U193			
4325				
4326	1,3-Propane sultone.			

4327	1,3-Propane sultone	1120-71-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4328				
4329	U194			
4330				
4331	n-Propylamine.			
4332	n-Propylamine	107-10-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4333				
4334	U196			
4335				
4336	Pyridine.			
4337	Pyridine	110-86-1	0.014	16
4338				
4339	U197			
4340				
4341	p-Benzoquinone.			
4342	p-Benzoquinone	106-51-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4343				
4344	U200			
4345				
4346	Reserpine.			
4347	Reserpine	50-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4348				
4349	U201			
4350				
4351	Resorcinol			
4352				



	Resorcinol.	108-46-3	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4353				
4354	U202			
4355				
4356	Saccharin and salts.			
4357	Saccharin	81-07-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4358				
4359	U203			
4360				
4361	Safrole.			
4362	Safrole	94-59-7	0.081	22
4363				
4364	U204			
4365				
4366	Selenium dioxide.			
4367	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
4368				
4369	U205			
4370				
4371	Selenium sulfide.			
4372	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
4373				
4374	U206			
4375				
4376	Streptozotocin.			
4377	Streptozotocin	18883-66-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4378				
4379	U207			
4380				

4381	1,2,4,5-Tetrachlorobenzene.			
4382	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
4383				
4384	U208			
4385	1,1,1,2-			
4386	Tetrachloroethane.			
4387	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
4388				
4389	U209			
4390				
4391	1,1,2,2-Tetrachloroethane.			
4392	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0
4393				
4394	U210			
4395				
4396	Tetrachloroethylene.			
4397	Tetrachloroethylene	127-18-4	0.056	6.0
4398				
4399	U211			
4400				
4401	Carbon tetrachloride.			
4402	Carbon tetrachloride	56-23-5	0.057	6.0
4403				
4404	U213			
4405				
4406	Tetrahydrofuran.			
4407	Tetrahydrofuran	109-99-9	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4408				
4409	U214			
4410				
4411	Thallium (I) acetate.			
4412	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL

4413				
4414	U215			
4415				
4416	Thallium (I) carbonate.			
4417				
	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4418				
4419	U216			
4420				
4421	Thallium (I) chloride.			
4422				
	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4423				
4424	U217			
4425				
4426	Thallium (I) nitrate.			
4427				
	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
4428				
4429	U218			
4430				
4431	Thioacetamide.			
4432				
	Thioacetamide	62-55-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4433				
4434	U219			
4435				
4436	Thiourea.			
4437				
	Thiourea	62-56-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4438				
4439	U220			
4440				
4441	Toluene.			



4442	Toluene	108-88-3	0.080	10
4443				
4444	U221			
4445				
4446	Toluenediamine.			
4447	Toluenediamine	25376-45-8	CARBN; or CMBST	CMBST
4448				
4449	U222			
4450				
4451	o-Toluidine hydrochloride.			
4452	o-Toluidine hydrochloride	636-21-5	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4453				
4454	U223			
4455				
4456	Toluene diisocyanate.			
4457	Toluene diisocyanate	26471-62-5	CARBN; or CMBST	CMBST
4458				
4459	U225			
4460				
4461	Bromoform (Tribromomethane).			
4462	Bromoform (Tribromomethane)	75-25-2	0.63	15
4463				
4464	U226			
4465	1,1,1-Trichloroethane.			
4466	1,1,1-Trichloroethane	71-55-6	0.054	6.0
4467				
4468	U227			
4469				
4470	1,1,2-Trichloroethane.			
4471	1,1,2-Trichloroethane	79-00-5	0.054	6.0
4472				

4473	U228			
4474				
4475	Trichloroethylene.			
4476				
	Trichloroethylene	79-01-6	0.054	6.0
4477				
4478	U234			
4479	1,3,5-Trinitrobenzene.			
4480				
	1,3,5-Trinitrobenzene	99-35-4	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4481				
4482	U235			
4483				
4484	tris-(2,3-Dibromopropyl)-phosphate.			
4485				
	tris-(2,3-Dibromopropyl)- phosphate	126-72-7	0.11	0.10
4486				
4487	U236			
4488				
4489	Trypan Blue.			
4490				
	Trypan Blue	72-57-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4491				
4492	U237			
4493				
4494	Uracil mustard.			
4495				
	Uracil mustard	66-75-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4496				
4497	U238			
4498				
4499	Urethane (Ethyl carbamate).			
4500				

	Urethane (Ethyl carbamate)	51-79-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4501				
4502	U239			
4503				
4504	Xylenes.			
4505	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
4506				
4507	U240			
4508				
4509	2,4-D (2,4-Dichlorophenoxyacetic acid).			
4510	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
4511				
4512	U243			
4513				
4514	Hexachloropropylene.			
4515	Hexachloropropylene	1888-71-7	0.035	30
4516				
4517	U244			
4518				
4519	Thiram.			
4520	Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4521				
4522	U246			
4523				
4524	Cyanogen bromide.			
4525				

	Cyanogen bromide	506-68-3	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
4526				
4527	U247			
4528				
4529	Methoxychlor.			
4530				
	Methoxychlor	72-43-5	0.25	0.18
4531				
4532	U248			
4533				
4534	Warfarin, & salts, when present at concentrations of 0.3 percent or less.			
4535				
	Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
4536				
4537	U249			
4538				
4539	Zinc phosphide, Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations of 10 percent or less.			
4540				
	Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
4541				
4542	U271			
4543				
4544	Benomyl.			
4545				
	Benomyl	17804-35-2	0.056	1.4
4546				
4547	U278			
4548				
4549	Bendiocarb.			
4550				
	Bendiocarb	22781-23-3	0.056	1.4
4551				
4552	U279			
4553				
4554	Carbaryl.			
4555				
	Carbaryl	63-25-2	0.006	0.14

4556				
4557	U280			
4558				
4559	Barban.			
4560	Barban	101-27-9	0.056	1.4
4561				
4562	U328			
4563				
4564	o-Toluidine.			
4565	o-Toluidine	95-53-4	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4566				
4567	U353			
4568				
4569	p-Toluidine.			
4570	p-Toluidine	106-49-0	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4571				
4572	U359			
4573				
4574	2-Ethoxyethanol.			
4575	2-Ethoxyethanol	110-80-5	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
4576				
4577	U364			
4578				
4579	Bendiocarb phenol. <sup>10</sup>			

4580	Bendiocarb phenol	22961-82-6	0.056	1.4
4581				
4582	U367			
4583				
4584	Carbofuran phenol.			
4585	Carbofuran phenol	1563-38-8	0.056	1.4
4586				
4587	U372			
4588	Carbendazim.			
4589	Carbendazim	10605-21-7	0.056	1.4
4590				
4591	U373			
4592				
4593	Propham.			
4594	Propham	122-42-9	0.056	1.4
4595				
4596	U387			
4597				
4598	Prosulfocarb.			
4599	Prosulfocarb	52888-80-9	0.042	1.4
4600				
4601	U389			
4602				
4603	Triallate.			
4604	Triallate	2303-17-5	0.042	1.4
4605				
4606	U394			
4607				
4608	A2213. <sup>10</sup>			
4609	A2213	30558-43-1	0.042	1.4
4610				
4611	U395			
4612				
4613	Diethylene glycol, dicarbamate. <sup>10</sup>			
4614				

4615	Diethylene glycol, dicarbamate	5952-26-1	0.056	1.4
4616	U404			
4617				
4618	Triethylamine.			
4619				
4620	Triethylamine	101-44-8	0.081	1.5
4621	U409			
4622				
4623	Thiophanate-methyl.			
4624				
4625	Thiophanate-methyl	23564-05-8	0.056	1.4
4626	U410			
4627				
4628	Thiodicarb.			
4629				
4630	Thiodicarb	59669-26-0	0.019	1.4
4631	U411			
4632				
4633	Propoxur.			
4634				
4635	Propoxur	114-26-1	0.056	1.4
4636	Notes:			
4637				
4638	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.		
4639				
4640				
4641				
4642	2	CAS 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 number is given for the parent compound only.		
4643				
4644				
4645				
4646	3	Concentration standards for wastewaters are expressed in mg/ℓ and are based on analysis of composite samples.		
4647				
4648				
4649	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		
4650				
4651				

- 4652 denotes “followed by,” so that the first-listed treatment is followed by the second-listed  
 4653 treatment. A semicolon (;) separates alternative treatment schemes.  
 4654
- 4655 5 Except for Metals (EP or TCLP) and Cyanides (Total and Amenable), the nonwastewater  
 4656 treatment standards expressed as a concentration were established, in part, based on  
 4657 incineration in units operated in accordance with the technical requirements of Subpart O  
 4658 of 35 Ill. Adm. Code 724 or Subpart O of 35 Ill. Adm. Code 725 or based on combustion  
 4659 in fuel substitution units operating in accordance with applicable technical requirements.  
 4660 A facility may comply with these treatment standards according to provisions in Section  
 4661 728.140(d). All concentration standards for nonwastewaters are based on analysis of grab  
 4662 samples.  
 4663
- 4664 6 Where an alternate treatment standard or set of alternate standards has been indicated, a  
 4665 facility may comply with this alternate standard, but only for the Treatment or Regulatory  
 4666 Subcategory or physical form (i.e., wastewater or nonwastewater) specified for that  
 4667 alternate standard.  
 4668
- 4669 7 Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed  
 4670 using Method 9010C or 9012B, in "Test Methods for Evaluating Solid Waste, Physical or  
 4671 Chemical Methods," USEPA publication number EPA-530/SW-846, incorporated by  
 4672 reference in 35 Ill. Adm. Code 720.111(a), with a sample size of 10 grams and a  
 4673 distillation time of one hour and 15 minutes.  
 4674
- 4675 8 These wastes, when rendered non-hazardous and then subsequently managed in CWA or  
 4676 CWA-equivalent systems, are not subject to treatment standards. (See Section  
 4677 728.101(c)(3) and (c)(4).)  
 4678
- 4679 9 These wastes, when rendered non-hazardous and then subsequently injected in a Class I  
 4680 SDWA well, are not subject to treatment standards. (See 35 Ill. Adm. Code 738.101(d).)  
 4681
- 4682 10 The treatment standard for this waste may be satisfied by either meeting the constituent  
 4683 concentrations in the table in this Section or by treating the waste by the specified  
 4684 technologies: combustion, as defined by the technology code CMBST at Table C, for  
 4685 nonwastewaters; and biodegradation, as defined by the technology code BIODG; carbon  
 4686 adsorption, as defined by the technology code CARBN; chemical oxidation, as defined by  
 4687 the technology code CHOXD; or combustion, as defined as technology code CMBST, at  
 4688 Table C, for wastewaters.  
 4689
- 4690 11 For these wastes, the definition of CMBST is limited to any of the following that have  
 4691 obtained a determination of equivalent treatment under Section 728.142(b): (1)  
 4692 combustion units operating under 35 Ill. Adm. Code 726, (2) combustion units permitted  
 4693 under Subpart O of 35 Ill. Adm. Code 724, or (3) combustion units operating under  
 4694 Subpart O of 35 Ill. Adm. Code 725.



4695  
4696 12 Disposal of USEPA hazardous waste number K175 waste that has complied with all  
4697 applicable Section 728.140 treatment standards must also be macroencapsulated in  
4698 accordance with Table F of this Part, unless the waste is placed in either of the following  
4699 types of facilities:

- 4700  
4701 a) A RCRA Subtitle C monofill containing only K175 wastes that meet all  
4702 applicable 40 CFR 268.40 treatment standards; or  
4703  
4704 b) A dedicated RCRA Subtitle C landfill cell in which all other wastes being co-  
4705 disposed are at  $\text{pH} \leq 6.0$ .

4706  
4707 BOARD NOTE: Derived from table to 40 CFR 268.40 (2007)~~(2005)~~.

4708  
4709 NA means not applicable.

4710  
4711 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

4712 Section 728.TABLE U Universal Treatment Standards (UTS)  
 4713

Regulated Constituent- Common Name	CAS <sup>1</sup> No.	Wastewater Standard Concentration <sup>2</sup> (in mg/ℓ <sup>2</sup> )	Nonwastewater Standard Concentration <sup>3</sup> (in mg/kg <sup>3</sup> unless noted as "mg/ℓ TCLP")
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	38
Acetophenone	96-86-2	0.010	9.7
2-Acetylaminofluorene	53-96-3	0.059	140
Acrolein	107-02-8	0.29	NA
Acrylamide	79-06-1	19	23
Acrylonitrile	107-13-1	0.24	84
Aldicarb sulfone <sup>6</sup>	1646-88-4	0.056	0.28
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
Barban <sup>6</sup>	101-27-9	0.056	1.4
Bendiocarb <sup>6</sup>	22781-23-3	0.056	1.4
Benomyl <sup>6</sup>	17804-35-2	0.056	1.4
Benz(a)anthracene	56-55-3	0.059	3.4
Benzal chloride	98-87-3	0.055	6.0
Benzene	71-43-2	0.14	10
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
Butylate <sup>6</sup>	2008-41-5	0.042	1.4
Butyl benzyl phthalate	85-68-7	0.017	28
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
Carbaryl <sup>6</sup>	63-25-2	0.006	0.14
Carbenzadim <sup>6</sup>	10605-21-7	0.056	1.4
Carbofuran <sup>6</sup>	1563-66-2	0.006	0.14
Carbofuran phenol <sup>6</sup>	1563-38-8	0.056	1.4
Carbon disulfide	75-15-0	3.8	4.8 mg/l TCLP
Carbon tetrachloride	56-23-5	0.057	6.0
Carbosulfan <sup>6</sup>	55285-14-8	0.028	1.4
Chlordane ( $\alpha$ and $\gamma$ 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	0.28
p-Chloro-m-cresol	59-50-7	0.018	14
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
2-Chloroethyl vinyl ether	110-75-8	0.062	NA
Chloroform	67-66-3	0.046	6.0
bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
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

m-Cumenyl methylcarbamate <sup>6</sup>	64-00-6	0.056	1.4
Cyclohexanone	108-94-1	0.36	0.75 mg/l TCLP
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
1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
1,2-Dibromoethane/Ethylene dibromide	106-93-4	0.028	15
Dibromomethane	74-95-3	0.11	15
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
2,4-Dichlorophenoxyacetic acid/2,4-D	94-75-7	0.72	10
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
Diethyl phthalate	84-66-2	0.20	28
p-Dimethylaminoazobenzene	60-11-7	0.13	NA
2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66
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	13
Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
1,2-Diphenylhydrazine	122-66-7	0.087	NA
Disulfoton	298-04-4	0.017	6.2
Dithiocarbamates (total) <sup>6</sup>	137-30-4	0.028	28
Endosulfan I	959-98-8	0.023	0.066
Endosulfan II	33213-65-9	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
EPTC <sup>6</sup>	759-94-4	0.042	1.4
Ethyl acetate	141-78-6	0.34	33
Ethyl benzene	100-41-4	0.057	10
Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
Ethylene oxide	75-21-8	0.12	NA
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
Famphur	52-85-7	0.017	15
Fluoranthene	206-44-0	0.068	3.4
Fluorene	86-73-7	0.059	3.4
Formetanate hydrochloride <sup>6</sup>	23422-53-9	0.056	1.4
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	143-50-0	0.0011	0.13
Methacrylonitrile	126-98-7	0.24	84
Methanol	67-56-1	5.6	0.75 mg/l TCLP
Methapyrilene	91-80-5	0.081	1.5
Methiocarb <sup>6</sup>	2032-65-7	0.056	1.4
Methomyl <sup>6</sup>	16752-77-5	0.028	0.14
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
Metolcarb <sup>6</sup>	1129-41-5	0.056	1.4
Mexacarbate <sup>6</sup>	315-18-4	0.056	1.4
Molinate <sup>6</sup>	2212-67-1	0.042	1.4
Naphthalene	91-20-3	0.059	5.6
2-Naphthylamine	91-59-8	0.52	NA
o-Nitroaniline	88-74-4	0.27	14
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
o-Nitrophenol	88-75-5	0.028	13
p-Nitrophenol	100-02-7	0.12	29
N-Nitrosodiethylamine	55-18-5	0.40	28
N-Nitrosodimethylamine	62-75-9	0.40	2.3
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- Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	3268-87-9	0.000063	0.005
1,2,3,4,6,7,8,9- Octachlorodibenzofuran (1,2,3,4,6,7,8,9-OCDF)	39001-02-0	0.000063	0.005
Oxamyl <sup>6</sup>	23135-22-0	0.056	0.28
Parathion	56-38-2	0.014	4.6
Total PCBs (sum of all PCB isomers, or all Aroclors) <sup>8</sup>	1336-36-3	0.10	10
Pebulate <sup>6</sup>	1114-71-2	0.042	1.4
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
Pentachloroethane	76-01-7	0.055	6.0
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 acid	100-21-0	0.055	28
Phthalic anhydride	85-44-9	0.055	28
Physostigmine <sup>6</sup>	57-47-6	0.056	1.4
Physostigmine salicylate <sup>6</sup>	57-64-7	0.056	1.4
Promecarb <sup>6</sup>	2631-37-0	0.056	1.4
Pronamide	23950-58-5	0.093	1.5
Propham <sup>6</sup>	122-42-9	0.056	1.4
Propoxur <sup>6</sup>	114-26-1	0.056	1.4
Prosulfocarb <sup>6</sup>	52888-80-9	0.042	1.4
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
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	79-34-5	0.057	6.0
Tetrachloroethylene	127-18-4	0.056	6.0
2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
Thiodicarb <sup>6</sup>	59669-26-0	0.019	1.4
Thiophanate-methyl <sup>6</sup>	23564-05-8	0.056	1.4
Toluene	108-88-3	0.080	10
Toxaphene	8001-35-2	0.0095	2.6
Triallate <sup>6</sup>	2303-17-5	0.042	1.4
Tribromomethane (Bromoform)	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
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	93-76-5	0.72	7.9
1,2,3-Trichloropropane	96-18-4	0.85	30
1,1,2-Trichloro-1,2,2- trifluoroethane	76-13-1	0.057	30
Triethylamine <sup>6</sup>	101-44-8	0.081	1.5
tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.11	0.10
Vernolate <sup>6</sup>	1929-77-7	0.042	1.4
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	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
Cyanides (Total) <sup>4</sup>	57-12-5	1.2	590



Cyanides (Amenable) <sup>4</sup>	57-12-5	0.86	30
Fluoride <sup>5</sup>	16984-48-8	35	NA
Lead	7439-92-1	0.69	0.75 mg/ℓ TCLP
Mercury-Nonwastewater from Retort	7439-97-6	NA	0.20 mg/ℓ TCLP
Mercury-All Others	7439-97-6	0.15	0.025 mg/ℓ TCLP
Nickel	7440-02-0	3.98	11 mg/ℓ TCLP
Selenium <sup>7</sup>	7782-49-2	0.82	5.7 mg/ℓ TCLP
Silver	7440-22-4	0.43	0.14 mg/ℓ TCLP
Sulfide	18496-25-8	14	NA
Thallium	7440-28-0	1.4	0.20 mg/ℓ TCLP
Vanadium <sup>5</sup>	7440-62-2	4.3	1.6 mg/ℓ TCLP
Zinc <sup>5</sup>	7440-66-6	2.61	4.3 mg/ℓ TCLP

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<sup>1</sup> CAS 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 number is given for the parent compound only.

<sup>2</sup> Concentration standards for wastewaters are expressed in mg/ℓ are based on analysis of composite samples.

<sup>3</sup> 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 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.

<sup>4</sup> 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/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.

<sup>5</sup> These constituents are not "underlying hazardous constituents" in characteristic wastes, according to the definition at Section 728.102(i).

<sup>6</sup> This footnote corresponds with footnote 6 to the table to 40 CFR 268.48(a), which has already expired by its own terms. This statement maintains structural consistency with the corresponding federal regulations.

4743 <sup>7</sup> This constituent is not an underlying hazardous constituent, as defined at Section 728.102(i),  
4744 because its UTS level is greater than its TC level. Thus, a treated selenium waste would  
4745 always be characteristically hazardous unless it is treated to below its characteristic level.  
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4747 <sup>8</sup> This standard is temporarily deferred for soil exhibiting a hazardous characteristic due to  
4748 USEPA hazardous waste numbers D004 through D011 only.  
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4750 Note: NA means not applicable.

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4752 BOARD NOTE: Derived from table to 40 CFR 268.48(a) ~~(2007)~~(2005).

4753

4754 (Source: Amended at 32 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)