

Date: November 10, 2021

To: S.C. Board of Health and Environmental Control

From: Bureau of Land and Waste Management

Re: Public Hearing for Notice of Final Regulation Amending R.61-79, Hazardous Waste Management Regulations, Document No. 5058

I. Introduction

The Bureau of Land and Waste Management (“Bureau”) proposes the attached Notice of Final Regulation amending R.61-79, *Hazardous Waste Management Regulations*. Legal authority resides in the South Carolina Hazardous Waste Management Act, S.C. Code Ann. Sections 44-56-10 *et seq.*, which authorizes the Department of Health and Environmental Control (“Department”) to promulgate hazardous waste management regulations, procedures, or standards as may be necessary to protect human health and the environment. The Administrative Procedures Act, S.C. Code Ann. Section 1-23-120(A), requires General Assembly review of these proposed amendments.


II. Facts

1. The Bureau proposes amending R.61-79 to adopt the final Environmental Protection Agency (“EPA”) rule, “Modernizing Ignitable Liquids Determinations,” published in the *Federal Register* on July 7, 2020, at 85 FR 40594-40608. This rule updates flash point test methods used to determine if a liquid waste is hazardous and will allow the use of non-mercury thermometers in approved analytical methods that currently require mercury thermometers. This rule will reduce the burden on the regulated community by providing greater clarity to determinations of hazardous waste, providing more flexibility in testing requirements, and improving environmental compliance, thereby enhancing the protection of human health and the environment.
2. The EPA has given authorized states, including South Carolina, the discretion to adopt this rule. The Ignitability Rule will make the regulations neither more nor less stringent than current requirements.
3. The proposed amendments also include changes such as corrections for clarity and readability, grammar, punctuation, codification, and other such regulatory text improvements.
4. The Bureau had a Notice of Drafting published in the April 23, 2021, *South Carolina State Register*. The Bureau received no comments during the public comment period.
5. The Bureau updated its “Hazardous Waste Management Regulations Update Status” webpage on April 29, 2021, to include a summary of the proposed amendments.
6. The Bureau conducted an outreach meeting on June 4, 2021, with the Environmental Technical Committee of the South Carolina Manufacturers Alliance.
7. Appropriate Department staff conducted an internal review of the proposed amendments on June 14, 2021.
8. Upon receiving approval during the August 12, 2021, Board meeting, the Bureau had a Notice of Proposed Regulation published in the August 27, 2021, *South Carolina State Register*. The Bureau received no comments during the public comment period.

III. Request for Approval

The Bureau respectfully requests the Board to find need and reasonableness of the attached proposed amendment of R.61-79, *Hazardous Waste Management Regulations*, for submission to the General Assembly.


Henry Porter
Bureau Chief


Myra Reece
Director

Attachment:
A. Notice of Final Regulation

ATTACHMENT A

STATE REGISTER NOTICE OF FINAL REGULATION FOR R.61-79, Hazardous Waste Management Regulations

November 10, 2021

Document No. 5058

DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

CHAPTER 61

Statutory Authority: 1976 Code Sections 44-56-10 et seq.

61-79. Hazardous Waste Management Regulations.

Synopsis:

Pursuant to R.61-79, Hazardous Waste Management Regulations, the Department of Health and Environmental Control (“Department”) promulgates regulations establishing and enforcing procedures, standards, and other requirements for the proper management of hazardous waste in South Carolina. The Department amends R.61-79 to adopt the Environmental Protection Agency (“EPA”) final rule, “Modernizing Ignitable Liquids Determinations,” published in the *Federal Register* on July 7, 2020, at 85 FR 40594-40608. This rule updates flash point test methods used to determine if a liquid waste is hazardous. It allows the use of non-mercury thermometers in approved analytical methods that currently require mercury thermometers. This rule also provides greater clarity to determinations of hazardous waste, provides more flexibility in testing requirements, and improves environmental compliance, thereby enhancing the protection of human health and the environment. Because this rule is no more or less stringent than current Federal requirements, the EPA has made state adoption optional.

The Department had a Notice of Proposed Regulation published in the August 27, 2021, *South Carolina State Register*.

Instructions:

Amend R.61-79 pursuant to each individual instruction provided with the text of the amendments below.

Section-by-Section Discussion of Amendments:

Section	Type of Change	Purpose
260.10		
Contained	Revision	Remove incorrect reference.
Designated facility	Revision	Add needed reference.
Facility	Revision	Remove incorrect reference.
Hazardous secondary material generator	Revision	Remove unnecessary reference.
260.11	Revision	Delete existing text and add new text with references to the current flash point test methods approved by the EPA.

Section	Type of Change	Purpose
260.33(c) and (d)	Revision	Correct instances of “Administrator” to “Department.”
260.42(b)	Revision	Correct instances of “Regional Administrator” to “Department.”
260.43(a)(4)	Deletion	Remove existing text.
260.43(b)(1)(ii)	Revision	Correct reference.
261.2(a)	Revision	Add missing sentence in 261.2(a)(1). Delete existing text in 261.2(a)(2). Insert text in (2)(i) that defines “discarded material” and reserve (2)(ii).
261.2(c)(4)	Revision	Correct reference.
261.4(a)(9)(iii)(E)	Revision	Remove unnecessary language.
261.4(a)(24)(v)(B)	Technical Correction	Remove erroneous punctuation.
261.4(a)(24)(v)(B)(3)	Revision	Remove instances of “the South Carolina Hazardous Waste Management” and “with the Department” from the paragraph and adding “RCRA hazardous waste.”
261.4(a)(27)(vi)(A)	Revision	Delete reference and unnecessary language.
261.21(a)(1)	Revision and Technical Corrections	Update testing methods for liquid waste; correct spelling and grammatical errors.
261.21(a)(3)(ii)	Revision and Deletion	Update testing methods for compressed gases in items (A) and (B). Remove items (C) and (D).
261.21(a)(4)	Revision and Deletion	Remove references to Note 3 and Note 4. Change references of explosive types.
261.21 Notes	Deletion	Remove Notes 1-4.
261.31(b)(4)(ii)	Revision	Remove unnecessary language.
261.41(a)	Revision and Technical Corrections	Correct identifying language and grammatical error.
261.41(a)(2)	Revision	Update the instructions for those sending notifications of intent to export CRTs with the correct address.
261.147(g)(2)(i)(B)	Technical Correction	Correct punctuation error.
261.151(d)	Revision	Correct reference.
261.151 Appendix E, Financial Test, paragraph 4	Revision	Add needed reference to the EPA.
261.197	Revision	Remove incorrect reference.
261.420(g)	Addition	Add text that requires employees to be familiar with relevant

Section	Type of Change	Purpose
		proper methods of handling waste and emergency procedures.
261 Appendix IX Table 1	Revision	Remove Michigan's wastes excluded from Non-specific sources and replace with the listing of South Carolina's excluded wastes.
262.12	Revision	Change all instances of "Notification Form" to "Site Identification Form."
262.15(a)	Revision	Remove incorrect reference.
262.17	Revision	Remove incorrect reference.
262.17(a)(8)(iii)(A)(3)	Revision	Correct the label of RCRA Subtitle C hazardous waste permitted facilities.
262.17(c)	Revision	Remove incorrect reference.
262.18(d)(1) and (d)(2)	Revision	Remove language and reserve to match federal language.
262.20(a)(2)	Revision	Add needed reference.
262.21(f)(4)	Revision	Update printing requirements.
262.21(h)(2)	Technical Correction	Correct grammatical errors.
262.41(a)	Revision	Clarify the text by referencing "large quantity generators" rather than their specifications.
262.81 – Exporter	Revision	Delete unnecessary language.
262.83(a)(6)(i)(B)(2)	Revision	Remove incorrect reference.
262.203(b)	Revision	Correct "Notification and Reporting Form" to read "Site Identification Form."
262.204(b)	Revision	Correct "Notification and Reporting Form" to read "Site Identification Form."
262.214	Revision	Add missing text regarding Laboratory Management plans.
263.11(b)	Revision	Correct all instances of "Notification Form" to "Site Identification Form."
263.13	Revision	Correct all instances of "Notification Form" to "Site Identification Form."
264.1(g)(1)	Revision	Correct reference.
264.5(a-d).	Revision	Correct all instances of "Notification Form" to "Site Identification Form."
264.11(b)	Revision	Correct all instances of "Notification Form" to "Site Identification Form."
264.13(a)(2)	Revision	Correct reference.

Section	Type of Change	Purpose
264.314(e)	Technical Correction	Correct punctuation.
264.340(b)(1)	Revision	Add language regarding RCRA permit conditions.
264.552(e)(4)(iv)(F)	Revision and Technical Correction	Remove unnecessary reference and correct punctuation.
264.1312(a)	Revision	Correct formula.
265.1(c)(7)	Revision	Correct reference.
265.1(c)(11)	Revision	Remove unnecessary header text.
265.5	Revision	Correct all instances of “Notification Form” to “Site Identification Form.”
265.71(a)(2)(i)	Revision	Clarify manifest instructions.
265.71(f)(1)	Revision	Remove unnecessary reference.
265.71(f)(3)	Revision	Clarify waste shipment.
265.71(h)(3)	Technical Correction	Correct punctuation error.
265.193(i)(2)	Technical Correction	Correct punctuation error.
265.1035(c)(4)(i)	Technical Correction	Correct punctuation error.
266.80(a) Table 1	Revision	Add missing text and make the format consistent across the table.
266.80(b)(1)(iv)	Technical Correction	Correct spacing error.
266.80(b)(2)(iv) and (v)	Revision and Technical Correction	Correct spacing error. Add and delete language to correct sentence.
266.100(b)(3)	Revision	Remove unnecessary references.
266.100(b)(4)	Revision	Remove unnecessary references.
268.7(a)(5)(i-iii)	Revision	Add language to clarify waste analysis plans.
268.7(a)(7)	Technical Correction	Correct spelling and punctuation errors.
268.9(a)	Revision	Remove unnecessary references.
Table 268.40	Technical Correction and Deletion	Correct punctuation error in K088 listing; delete duplicated text in footnotes.
268.50(a)	Revision	Remove unnecessary reference.
270.1(a)(3)	Revision	Remove incorrect reference.
270.6(a)	Technical Correction and Revision	Correct capitalization error and correct “regulations” to “chapter.”
270.6(b)	Revision	Correct contact information and insert acronym for clarification.
270.14(b)(11)(iv)(c)(2)	Revision	Remove incorrect reference.
270.19(e)	Revision	Correct by adding in the appropriate references for each section.
270.22	Revision	Correct by adding in the appropriate references for each section.

Section	Type of Change	Purpose
270.25(e)(3)	Revision	Correct acronym.
270.29	Technical Correction	Add missing word.
270.31(c)	Revision	Remove incorrect reference.
270.32(b)(3)	Revision	Correct by adding in the appropriate references for each section.
270.42(j)(1)	Technical Correction	Correct verb tense.
270.62	Technical Correction	Correct punctuation error.
270.65(a)	Technical Correction	Correct punctuation error.
270.65(b)	Technical Correction	Correct punctuation error.
273.4(b)(2)	Technical Correction	Correct punctuation error.
273.13(c)(2)	Revision	Correct the references.

~~Indicates Matter Stricken~~

Indicates New Matter

Text:

61-79. Hazardous Waste Management Regulations.

Statutory Authority: 1976 Code Ann. Section 44-56-30

Revise the definition of “Contained” in 260.10 to read:

"Contained" means held in a unit (including a land-based unit as defined in this subpart) that meets the following criteria:

(1) The unit is in good condition, with no leaks or other continuing or intermittent unpermitted releases of the hazardous secondary materials to the environment, and is designed, as appropriate for the hazardous secondary materials, to prevent releases of hazardous secondary materials to the environment. Unpermitted releases are releases that are not covered by a permit (such as a permit to discharge to water or air) and may include, but are not limited to, releases through surface transport by precipitation runoff, releases to soil and groundwater, wind-blown dust, fugitive air emissions, and catastrophic unit failures;

(2) The unit is properly labeled or otherwise has a system (such as a log) to immediately identify the hazardous secondary materials in the unit; and

(3) The unit holds hazardous secondary materials that are compatible with other hazardous secondary materials placed in the unit and is compatible with the materials used to construct the unit and addresses any potential risks of fires or explosions.

(4) Hazardous secondary materials in units that meet the applicable requirements of ~~40 CFR~~ parts 264 or 265 are presumptively contained.

Revise the definition of “Designated facility” in 260.10 to read:

"Designated facility" means:

(1) A hazardous waste treatment, storage, or disposal facility which:

(i) has received a permit (or interim status) in accordance with the requirements of parts 270 and 271 of these regulations; or

(ii) has received a permit (or interim status) from a state authorized in accordance with 40 CFR part 271 of this chapter; or

(iii) is regulated under 261.6(c)(2) or subpart F of part 266; and

(iv) that has been designated on the manifest by the generator pursuant to 262.20.

(2) Designated facility also means a generator site designated on the manifest to receive its waste as a return shipment from a facility that has rejected the waste in accordance with 264.72(f) or 265.72(f) of this chapter.

(3) If a waste is destined to a facility in an authorized state which has not yet obtained authorization to regulate that particular waste as hazardous, then the designated facility must be a facility allowed by the receiving state to accept such waste. ~~(12/92; 12/93; 12/94; 6/95).~~

Revise the definition of “Facility” in 260.10 to read:

“Facility” means:

(1) All contiguous land, and structures, other appurtenances, and improvements on the land, used for treating, storing, or disposing of hazardous waste, or for managing hazardous secondary materials prior to reclamation. A facility may consist of several treatment, storage, or disposal operational units (e.g., one or more landfills, surface impoundments, or combinations of them).

(2) For the purpose of implementing corrective action under sections 264.101 ~~or 267.101~~, all contiguous property under the control of the owner or operator seeking a permit under subtitle C of RCRA. This definition also applies to facilities implementing corrective action under RCRA Section 3008(h).

(3) Notwithstanding paragraph (2) of this definition, a remediation waste management site is not a facility that is subject to section 264.101, but is subject to corrective action requirements if the site is located within such a facility.

Revise the definition of “Hazardous secondary material generator” in 260.10 to read:

“Hazardous secondary material generator” means any person whose act or process produces hazardous secondary materials at the generating facility. For purposes of this paragraph, “generating facility” means all contiguous property owned, leased, or otherwise controlled by the hazardous secondary material generator. For the purposes of sections ~~261.2(a)(2)(ii) and 261.4(a)(23)~~, a facility that collects hazardous secondary materials from other persons is not the hazardous secondary material generator.

Revise 260.11 to read:

~~(a) When used in R.61-79.260 through R.61-79.270, the following publications are incorporated by reference. These references will be applied to necessary testing to be performed by a certified laboratory.~~

~~(1) "ASTM Standard Test Methods for Flash Point of Liquids by Setaflash Closed Tester," ASTM Standard D 3278-78, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(2) "ASTM Standard Test Methods for Flash Point by Pensky Martens Closed Tester," ASTM Standard D 93-79 or D 93-80. D 93-80 is available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(3) "ASTM Standard Method for Analysis of Reformed Gas by Gas Chromatography," ASTM Standard D 1946-82, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(4) "ASTM Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter(High Precision Method)," ASTM Standard D 2382-83, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(5) "ASTM Standard Practices for General Techniques of Ultraviolet Visible Quantitative Analysis," ASTM Standard E 169-87, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(6) "ASTM Standard Practices for General Techniques of Infrared Quantitative Analysis," ASTM Standard E 168-88, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(7) "ASTM Standard Practice for Packed Column Gas Chromatography," ASTM Standard E 260-85, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(8) "ASTM Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography," ASTM Standard D 2267-88, available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(9) "APTI Course 415: Control of Gaseous Emissions," EPA Publication EPA450/281005, December 1981, available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.~~

~~(10) "Flammable and Combustible Liquids Code" (NFPA 30), 1977 or 1981, IBR approved for sections 262.16(b), 264.198(b), and 265.198(b).~~

~~(11) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846 [Third Edition (November 1986), as amended by Updates I, (dated July 1992), II (dated September 1994), IIA (dated August 1993), IIB (dated January 1995) and III] (dated December 1996) and IIIA (dated April 1998)]. The Third Edition of SW-846 and Updates I, II, IIA, IIB, and III (document number 955-001-0000-1) are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, (202) 512-1800. Update IIIA is available through EPA's Methods Information Communication Exchange (MICE) Service. MICE can be contacted by phone at (703) 821-4690. Update IIIA can also be obtained by contacting the U.S. Environmental Protection Agency, Office of Solid Waste (5307W), OSW Methods Team, 1200 Pennsylvania Ave. NW, Washington, DC, 20460. Copies of the Third Edition and all of its updates are also available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, (703) 605-6000 or (800) 553-6847. Copies may be inspected at the Library, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave. NW, Washington, DC 20460; or at the Office of the Federal Register, 800 North Capitol Street, NW, suite 700, Washington, DC. (11/99; 8/00)~~

~~(12) "Screening Procedures for Estimating the Air Quality Impact of Stationary Sources, Revised," October 1992, EPA Publication No. EPA 450/R-92-019, Environmental Protection Agency, Research Triangle Park, NC. (Revised 12/94)~~

~~(13) "ASTM Standard Test Methods for Preparing Refuse-Derived Fuel (RDF) Samples for Analysis of Metals," ASTM Standard E926-88, Test Method C—Bomb, Acid Digestion Method, available from American Society for Testing Materials, 1916 Race Street, Philadelphia, PA 19103.~~

~~(14) "API Publication 2517, Third Edition," February 1989, "Evaporative Loss from External Floating-Roof Tanks," available from the American Petroleum Institute, 1220 L Street, Northwest, Washington, DC 20005.~~

~~(15) "ASTM Standard Test Method for Vapor Pressure—Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope," ASTM Standard D 2879-92, available from American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103.~~

~~(16) Method 1664, Revision A, n-Hexane Extractable Material (HEM; Oil and Grease) and Silica-Gel Treated n-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry. Available at NTIS, PB99-121949, U.S. Department of Commerce, 5285 Port Royal, Springfield, Virginia 22161.~~

~~(b) The references listed in paragraph (a) of this section are also available for inspection at the Office of the Federal Register, 800 North Capitol Street NW, Suite 700, Washington DC. These incorporations by reference were approved by the Director of the Federal Register. These materials are incorporated as they exist on the date of approval and a notice of any change in these materials will be published in the Federal Register (revised 12/93).~~

When used in R.61-79.260 through R.61-79.268, the following materials are incorporated by reference. All approved materials are available for inspection at the OLEM Docket in the Environmental Protection Agency Docket Center (EPA/DC), West William Jefferson Clinton Bldg., Rm. 3334, 1301 Constitution Ave. NW., Washington, DC. The EPA/DC Public Reading Room hours of operation are 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number of the EPA/DC Public Reading room is (202) 566-1744, and the telephone number for the OLEM Docket is (202) 566-0270. These approved materials are available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov or go to www.archives.gov/federal-register/cfr/ibr-locations.html. In addition, these materials are available from the following sources:

(a) American Petroleum Institute (API). 1220 L Street, Northwest, Washington, DC 20005, (855) 999-9870, www.api.org.

(1) API Publication 2517, Third Edition, February 1989, "Evaporative Loss from External Floating-Roof Tanks," IBR approved for section 265.1084.

(2) [Reserved]

(b) ASTM International (ASTM). 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, (877) 909-ASTM, www.astm.org.

(1) ASTM D93-79, “Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester,” IBR approved for section 261.21(a).

(2) ASTM D93-80, “Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester,” IBR approved for section 261.21(a).

(3) ASTM D1946-82, “Standard Method for Analysis of Reformed Gas by Gas Chromatography,” IBR approved for sections 264.1033 and 265.1033.

(4) ASTM D2267-88, “Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography,” IBR approved for section 264.1063.

(5) ASTM D2382-83, “Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method),” IBR approved for sections 264.1033 and 265.1033.

(6) ASTM D2879-92, “Standard Test Method for Vapor Pressure—Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope,” IBR approved for section 265.1084.

(7) ASTM D3278-78, “Standard Test Methods for Flash Point for Liquids by Setaflash Closed Tester,” IBR approved for section 261.21(a).

(8) ASTM D8174-18, “Standard Test Method for Finite Flash Point Determination of Liquid Wastes by Small Scale Closed Cup Tester.” Approved March 15, 2018, IBR approved for section 261.21(a).

(9) ASTM D8175-18, “Standard Test Method for Finite Flash Point Determination of Liquid Wastes by Pensky-Martens Closed Cup Tester.” Approved March 15, 2018, IBR approved for section 261.21(a).

(10) ASTM E168-88, “Standard Practices for General Techniques of Infrared Quantitative Analysis,” IBR approved for section 264.1063.

(11) ASTM E169-87, “Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis,” IBR approved for section 264.1063.

(12) ASTM E260-85, “Standard Practice for Packed Column Gas Chromatography,” IBR approved for section 264.1063.

(13) ASTM E681-85, “Standard Test Method for Concentration Limits of Flammability of Chemicals (Vapors and gases),” Approved November 14, 1985, IBR approved for section 261.21(a).

(c) Environmental Protection Agency (EPA). Material cited in paragraphs (d)(1) through (3) is available from: National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, (202) 512-1800; EPA’s National Service Center for Environmental Publications at <https://www.epa.gov/nscep>. Material cited in paragraph (d)(4) of this section is available at <https://www.epa.gov/hw-sw846>.

(1) “APTI Course 415: Control of Gaseous Emissions,” EPA Publication EPA-450/2-81-005, December 1981, IBR approved for sections 264.1035 and 265.1035.

(2) Method 1664, n-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material SGT-HEM; (Non-polar Material) by Extraction and Gravimetry:

- (i) Revision A, EPA-821-R-98-002, February 1999, IBR approved for appendix IX to part 261.
- (ii) Revision B, EPA-821-R-10-001, February 2010, IBR approved for appendix IX to part 261.
- (3) “Screening Procedures for Estimating the Air Quality Impact of Stationary Sources, Revised,” October 1992, EPA Publication No. EPA-450/R-92-019, IBR approved for appendix IX to part 266.
- (4) The following methods as published in the test methods compendium known as “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,” EPA Publication SW-846, Third Edition.
- (i) Method 0010, Modified Method 5 Sampling Train, Revision 1, dated August 2018, IBR approved for appendix IX to part 261.
- (ii) Method 0011, Sampling for Selected Aldehyde and Ketone Emissions from Stationary Sources, Revision 1, dated August 2018, IBR approved for appendix IX to part 261 and appendix IX to part 266.
- (iii) Method 0020, Source Assessment Sampling System (SASS), Revision 1, dated August 2018, IBR approved for appendix IX to part 261.
- (iv) Method 0023A, Sampling Method for Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofuran Emissions from Stationary Sources, Revision 2, dated August 2018, IBR approved for appendix IX to part 261, section 266.104(e), and appendix IX to part 266.
- (v) Method 0030, Volatile Organic Sampling Train, dated September 1986 and in the Basic Manual, IBR approved for appendix IX to part 261.
- (vi) Method 0031, Sampling Method for Volatile Organic Compounds (SMVOC), dated December 1996 and in Update III, IBR approved for appendix IX to part 261.
- (vii) Method 0040, Sampling of Principal Organic Hazardous Constituents from Combustion Sources Using Tedlar® Bags, dated December 1996 and in Update III, IBR approved for appendix IX to part 261.
- (viii) Method 0050, Isokinetic HCl/Cl₂ Emission Sampling Train, dated December 1996 and in Update III, IBR approved for appendix IX to part 261, section 266.107, and appendix IX to part 266.
- (ix) Method 0051, Midget Impinger HCl/Cl₂ Emission Sampling Train, Revision 1, dated August 2018, IBR approved for appendix IX to part 261, section 266.107, and appendix IX to part 266.
- (x) Method 0060, Determination of Metals in Stack Emissions, dated December 1996 and in Update III, IBR approved for appendix IX to part 261, section 266.106, and appendix IX to part 266.
- (xi) Method 0061, Determination of Hexavalent Chromium Emissions from Stationary Sources, dated December 1996 and in Update III, IBR approved for appendix IX to part 261, section 266.106, and appendix IX to part 266.
- (xii) Method 1010B, Test Methods for Flash Point by Pensky-Martens Closed-Cup Tester, dated December 2018, IBR approved for section 261.21 and appendix IX to part 261.
- (xiii) Method 1020C, Standard Test Methods for Flash Point by Setaflash (Small Scale) Closed-Cup Apparatus, dated December 2018, IBR approved for section 261.21 and appendix IX to part 261.

(xiv) Method 1110A, Corrosivity Toward Steel, dated November 2004 and in Update IIIB, IBR approved for section 261.22 and appendix IX to part 261.

(xv) Method 1310B, Extraction Procedure (EP) Toxicity Test Method and Structural Integrity Test, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261.

(xvi) Method 1311, Toxicity Characteristic Leaching Procedure, dated July 1992 and in Update I, IBR approved for appendix IX to part 261, and sections 261.24, 268.7, and 268.40.

(xvii) Method 1312, Synthetic Precipitation Leaching Procedure, dated September 1994 and in Update III, IBR approved for appendix IX to part 261.

(xviii) Method 1320, Multiple Extraction Procedure, dated September 1986 and in the Basic Manual, IBR approved for appendix IX to part 261.

(xix) Method 1330A, Extraction Procedure for Oily Wastes, dated July 1992 and in Update I, IBR approved for appendix IX to part 261.

(xx) Method 9010C, Total and Amenable Cyanide: Distillation, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261 and sections 268.40, 268.44, and 268.48.

(xxi) Method 9012B, Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation), dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261 and sections 268.40, 268.44, and 268.48.

(xxii) Method 9040C, pH Electrometric Measurement, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261 and section 261.22.

(xxiii) Method 9045D, Soil and Waste pH, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261.

(xxiv) Method 9060A, Total Organic Carbon, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261, and sections 264.1034, 264.1063, 265.1034, and 265.1063.

(xxv) Method 9070A, n-Hexane Extractable material (HEM) for Aqueous Samples, dated November 2004 and in Update IIIB, IBR approved for appendix IX to part 261.

(xxvi) Method 9071B, n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples, dated April 1998 and in Update IIIA, IBR approved for appendix IX to part 261.

(xxvii) Method 9095B, Paint Filter Liquids Test, dated November 2004 and in Update IIIB, IBR approved, appendix IX to part 261, and sections 264.190, 264.314, 265.190, 265.314, 265.1081, and 268.32.

(d) National Fire Protection Association (NFPA). 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, (800) 344-3555, www.nfpa.org/.

(1) NFPA 30, "Flammable and Combustible Liquids Code," 1977 Edition, IBR approved for sections 262.16(b), 264.198(b), and 265.198(b).

(2) NFPA 30, “Flammable and Combustible Liquids Code,” 1981 Edition, IBR approved for sections 262.16(b), 264.198(b), and 265.198(b).

(e) Organization for Economic Cooperation and Development (OECD). Economic Cooperation and Development, Environment Directorate, 2 rue André Pascal, F-75775 Paris Cedex 16, France, www.oecd-ilibrary.org/.

(1) Guidance Manual for the Control of Transboundary Movements of Recoverable Wastes, copyright 2009, Annex B: OECD Consolidated List of Wastes Subject to the Green Control Procedure and Annex C: OECD Consolidated List of Wastes Subject to the Amber Control Procedure, IBR approved for sections 262.82(a), 262.83(b), (d), and (g), and 262.84(b) and (d).

(2) [Reserved]

Revise 260.33(c) and (d) to read:

(c) In the event of a change in circumstances that affect how a hazardous secondary material meets the relevant criteria contained in Section 260.31, Section 260.32, or Section 260.34 upon which a variance or non-waste determination has been based, the applicant must send a description of the change in circumstances to the ~~Administrator~~Department. The ~~Administrator~~Department may issue a determination that the hazardous secondary material continues to meet the relevant criteria of the variance or non-waste determination or may require the facility to re-apply for the variance or non-waste determination.

(d) Variances and non-waste determinations shall be effective for a fixed term not to exceed ten (10) years. No later than six (6) months prior to the end of this term, facilities must re-apply for a variance or non-waste determination. If a facility re-applies for a variance or non-waste determination within six (6) months, the facility may continue to operate under an expired variance or non-waste determination until receiving a decision on their re-application from the ~~Administrator~~Department.

Revise 260.42(b) to read:

(b) If a facility managing hazardous secondary materials has submitted a notification, but then subsequently stops managing hazardous secondary materials in accordance with the regulation(s) listed above, the facility must notify the ~~Regional Administrator~~Department within thirty (30) days using EPA Form 8700-12. For purposes of this section, a facility has stopped managing hazardous secondary materials if the facility no longer generates, manages and/or reclaims hazardous secondary materials under the regulation(s) above and does not expect to manage any amount of hazardous secondary materials for at least one (1) year.

Remove 260.43(a)(4):

~~(4) The product of the recycling process must be comparable to a legitimate product or intermediate:~~
~~(i) Where there is an analogous product or intermediate, the product of the recycling process is comparable to a legitimate product or intermediate if:~~
~~(A) The product of the recycling process does not exhibit a hazardous characteristic (as defined in part 261 subpart C) that analogous products do not exhibit, and~~
~~(B) The concentrations of any hazardous constituents found in appendix VIII of part 261 of this chapter that are in the product or intermediate are at levels that are comparable to or lower than those found in analogous products or at levels that meet widely recognized commodity standards and specifications, in the case where the commodity standards and specifications include levels that specifically address those hazardous constituents.~~

~~(ii) Where there is no analogous product, the product of the recycling process is comparable to a legitimate product or intermediate if:~~

~~(A) The product of the recycling process is a commodity that meets widely recognized commodity standards and specifications (for example, commodity specification grades for common metals), or~~

~~(B) The hazardous secondary materials being recycled are returned to the original process or processes from which they were generated to be reused (for example, closed loop recycling).~~

~~(iii) If the product of the recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or intermediate per paragraph (a)(4)(i) or (ii) of this section, the recycling still may be shown to be legitimate, if it meets the following specified requirements. The person performing the recycling must conduct the necessary assessment and prepare documentation showing why the recycling is, in fact, still legitimate. The recycling can be shown to be legitimate based on lack of exposure from toxics in the product, lack of the bioavailability of the toxics in the product, or other relevant considerations which show that the recycled product does not contain levels of hazardous constituents that pose a significant human health or environmental risk. The documentation must include a certification statement that the recycling is legitimate and must be maintained on site for three years after the recycling operation has ceased. The person performing the recycling must notify the Regional Administrator of this activity using EPA Form 8700-12.~~

Revise 260.43(b)(1)(ii) to read:

(ii) contain concentrations of hazardous constituents found in R.61-79.2641 appendix VIII at levels that are significantly elevated from those found in analogous products, or

Revise 261.2(a) to read:

(a)(1) A solid waste is any discarded material that is not excluded by Section 261.4(a) or that is not excluded by variance granted under R.61-79.260.30 and 260.31, or that is not excluded by a non-waste determination under R.61-79.260.30 and 260.34.

~~(2) A discarded material is any material which is:~~

~~(i) Abandoned, as explained in paragraph (b) of this section; or~~

~~(ii) [Reserved]~~

~~(iii) Considered inherently waste-like, as explained in paragraph (d) of this section; or~~

~~(iv) A "military munition" identified as a solid waste in 266.202.~~

(2)

(i) A discarded material is any material that is:

(A) Abandoned, as explained in paragraph (b) of this section; or

(B) Recycled, as explained in paragraph (c) of this section; or

(C) Considered inherently waste-like, as explained in paragraph (d) of this section; or

(D) A military munition identified as a solid waste in section 266.202.

(ii) [Reserved]

Replace Table 1 in 261.2(c)(4) to read:

261.2 Table 1 Summary of definitions of Solid Waste				
	Use Constituting Disposal (261.2(c)(1))	Energy Recovery/Fuel (261.2(c)(2))	Reclamation (261.2(c)(3)), except as provided in 261.4(a)(17), 261.4(a)(23), 261.4(a)(24), or 261.4(a)(25)	Speculative Accumulation (261.2(c)(4))
	(1)	(2)	(3)	(4)
Spent Materials	(*)	(*)	(*)	(*)
Sludges (listed in sections 261.31 or 261.32)	(*)	(*)	(*)	(*)
Sludges exhibiting a characteristic of hazardous waste	(*)	(*)	---	(*)
By-products exhibiting a characteristic of hazardous waste	(*)	(*)	(*)	(*)
Commercial chemical products listed in section 261.33	(*)	(*)	---	---
Scrap metal that is not excluded under section 261.4(a)(13)	(*)	(*)	(*)	(*)

Revise 261.4(a)(9)(iii)(E) to read:

(E) Prior to operating pursuant to this exclusion, the plant owner or operator prepares a one-time notification stating that the plant intends to claim the exclusion, giving the date on which the plant intends to begin operating under the exclusion, and containing the following language: "I have read the applicable regulation establishing an exclusion for wood preserving wastewaters and spent wood preserving solutions and understand it requires me to comply at all times with the conditions set out in the regulation." The plant must maintain a copy of that document in its on-site records until closure of the facility. The exclusion applies so long as the plant meets all of the conditions. If the plant goes out of compliance with any condition, it may apply to the appropriate Department for reinstatement. The Department may reinstate the exclusion upon finding that the plant has returned to compliance with all conditions and that the violations are not likely to recur.

Revise 261.4(a)(24)(v)(B) to read:

(B) Prior to arranging for transport of hazardous secondary materials to a reclamation facility (or facilities) where the management of the hazardous secondary materials is not addressed under a RCRA part B permit ~~(a federally issued RCRA permit or a hazardous waste permit issued by the Department)~~ or interim status standards, the hazardous secondary material generator must make reasonable efforts to ensure that each reclaimer intends to properly and legitimately reclaim the hazardous secondary material and not discard it, and that each reclaimer will manage the hazardous secondary material in a manner that is protective of human health and the environment. If the hazardous secondary material will be passing through an intermediate facility where the management of the hazardous secondary materials is not addressed under a RCRA part B permit or interim status standards, the hazardous secondary material generator must make contractual arrangements with the intermediate facility to ensure that the hazardous secondary material is sent to the reclamation facility identified by the hazardous secondary material generator, and the hazardous secondary material generator must perform reasonable efforts to ensure that the intermediate facility will manage the hazardous secondary material in a manner that is protective of human health and the environment. Reasonable efforts must be repeated at a minimum of every three (3) years for the hazardous secondary material generator to claim the exclusion and to send the hazardous secondary materials to each reclaimer and any intermediate facility. In making these reasonable efforts, the generator may use any credible evidence available, including information gathered by the hazardous secondary material generator, provided by the reclaimer or intermediate facility, and/or provided by a third party. The hazardous secondary material generator must affirmatively answer all of the following questions for each reclamation facility and any intermediate facility:

Revise 261.4(a)(24)(v)(B)(3) to read:

(3) Does publicly available information indicate that the reclamation facility or any intermediate facility that is used by the hazardous secondary material generator has not had any formal enforcement actions taken against the facility in the previous three (3) years for violations of RCRA hazardous waste ~~the South Carolina Hazardous Waste Management Regulations~~ and has not been classified as a significant non-complier ~~with the Department~~? In answering this question, the hazardous secondary material generator can rely on the publicly available information from EPA or the state. If the reclamation facility or any intermediate facility that is used by the hazardous secondary material generator has had a formal enforcement action taken against the facility in the previous three (3) years for violations of RCRA hazardous waste ~~the South Carolina Hazardous Waste Management Regulations~~ and has been classified as a significant non-complier ~~with the Department~~, does the hazardous secondary material generator have credible evidence that the facilities will manage the hazardous secondary materials properly? In answering this question, the hazardous secondary material generator can obtain additional information from EPA, the state, or the facility itself that the facility has addressed the violations, taken remedial steps to address the violations and prevent future violations, or that the violations are not relevant to the proper management of the hazardous secondary materials.

Revise 261.4(a)(27)(vi)(A) to read:

(A) ~~Notify EPA or the Department, if the state is authorized for the program,~~ and update the notification every two (2) years per section 260.42;

Revise 261.21(a)(1) to read:

(1) It is a liquid, other than an ~~aqueous~~ solution containing less than twenty-four percent (24%) percent alcohol by volume and at least fifty percent (50%) water by weight, ~~that~~ has flash point less than 60 degrees° C (140 degrees° F), as determined by a ~~Pensky Martens Closed Cup Tester, using the test method specified in ASTM Standard D 93-79 or D 93-80 (incorporated by reference, see 260.11) or a Setaflash~~

~~Closed Cup Tester, using the test method specified in ASTM Standard D 3278-78 (incorporated by reference, see 260.11) or as determined by an equivalent test method approved by the Department under procedures set forth in R.61-79.260.20 and 260.21. (Amended 11/90) using one of the following ASTM standards: ASTM D93-79, D93-80, D3278-78, D8174-18, or D8175-18 as specified in SW-846 Test Methods 1010B or 1020C (all incorporated by reference, see section 260.11).~~

Revise 261.21(a)(3)(ii) to read:

(ii) A compressed gas shall be characterized as ignitable if any one of the following occurs:

(A) Either a mixture of thirteen percent (13%) percent or less (by volume) with air forms a flammable mixture or the flammable range with air is wider than twelve percent (12%) percent regardless of the lower limit. These limits shall be determined at atmospheric temperature and pressure. ~~The method of sampling and test procedure shall be acceptable to the Bureau of Explosives and approved by the Department, Pipeline and Hazardous Materials Technology, U.S. Department of Transportation (see Note 2).~~ The method of sampling and test procedure shall be the ASTM E681-85 (incorporated by reference, see section 260.11), or other equivalent methods approved by the Associate Administrator, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation.

(B) ~~Using the Bureau of Explosives' Flame Projection Apparatus (see Note 1), the flame projects more than 18 inches beyond the ignition source with valve opened fully, or, the flame flashes back and burns at the valve with any degree of valve opening.~~ It is determined to be flammable or extremely flammable using 49 CFR 173.115(l).

(C) ~~Using the Bureau of Explosives' Open Drum Apparatus (see Note 1), there is any significant propagation of flame away from the ignition source.~~

(D) ~~Using the Bureau of Explosives' Closed Drum Apparatus (see Note 1), there is any explosion of the vapor air mixture in the drum.~~

Revise 261.21(a)(4) to read:

(4) It is an oxidizer. An oxidizer for the purpose of this subchapter is a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter. ~~(See Note 4)~~

(i) An organic compound containing the bivalent -O-O- structure and which may be considered a derivative of hydrogen peroxide where one or more of the hydrogen atoms have been replaced by organic radicals must be classed as an organic peroxide unless:

(A) The material meets the definition of a ~~Class A explosive or a Class B~~ Division 1.1, 1.2, or 1.3 explosive, as defined in 261.23(a)(8), in which case it must be classed as an explosive,

(B) The material is forbidden to be offered for transportation according to 49 CFR 172.101 and 49 CFR 173.21,

(C) It is determined that the predominant hazard of the material containing an organic peroxide is other than that of an organic peroxide, or

(D) According to data on file with the Pipeline and Hazardous Materials Safety Administration in the U.S. Department of Transportation (~~see Note 3~~), it has been determined that the material does not present a hazard in transportation.

Remove Note 1, Note 2, Note 3, and Note 4 from 261.21:

~~**Note 1:** A description of the Bureau of Explosives' Flame Projection Apparatus, Open Drum Apparatus, Closed Drum Apparatus, and method of tests may be procured from the Bureau of Explosives.~~

~~**Note 2:** As part of a U.S. Department of Transportation (DOT) reorganization, the Office of Hazardous Materials Technology (OHMT), which was the office listed in the 1980 publication of 49 CFR 173.300 for the purposes of approving sampling and test procedures for a flammable gas, ceased operations on February 20, 2005. OHMT programs have moved to the Pipeline and Hazardous Materials Safety Administration (PHMSA) in the DOT.~~

~~**Note 3:** As part of a U.S. Department of Transportation (DOT) reorganization, the Research and Special Programs Administration (RSPA), which was the office listed in the 1980 publication of 49 CFR 173.151a for the purposes of determining that a material does not present a hazard in transport, ceased operations on February 20, 2005. RSPA programs have moved to the Pipeline and Hazardous Materials Safety Administration (PHMSA) in the DOT.~~

~~**Note 4:** The DOT regulatory definition of an oxidizer was contained in 173.151 of 49 CFR and the definition of an organic peroxide was contained in paragraph 173.151a. An organic peroxide is a type of oxidizer.~~

Revise 261.31(b)(4)(ii) to read:

(ii) Generators must maintain in their on-site records, documentation and information sufficient to prove that the wastewater treatment sludges to be exempted from the F019 listing meet the conditions of the listing. These records must include: the volume of waste generated and disposed of off-site; documentation showing when the wastes volumes were generated and sent off site; the name and address of the receiving facility; and documentation confirming receipt of the waste by the receiving facility. Generators must maintain these documents on site for no less than three (3) years. The retention period for the documentation is automatically extended during the course of any enforcement action or as requested by the Department ~~or the state regulatory authority~~.

Revise 261.41(a) to read:

(a) ~~Persons~~ CRT exporters who export used, intact CRTs for reuse must send a notification to ~~the Regional Administrator the EPA. The~~ This notification may cover export activities extending over a twelve (12) month or lesser period.

Revise 261.41(a)(2) to read:

(2) Notifications submitted by mail should be sent to the following mailing address: ~~Office of Enforcement and Compliance Assurance, Office of Federal Activities, International Compliance Assurance Division, (Mail Code 2254A), Environmental Protection Agency, 1200 Pennsylvania Ave. NW., Washington, DC 20460. Hand delivered notifications should be sent to: Office of Enforcement and Compliance Assurance, Office of Federal Activities, International Compliance Assurance Division, (Mail Code 2254A), Environmental Protection Agency, William Jefferson Clinton Building, Room 6144, 1200 Pennsylvania Ave. NW., Washington, DC 20004.~~ Office of Land and Emergency Management, Office of

Resource Conservation and Recovery, Materials Recovery and Waste Management Division, International Branch (Mail Code 2255A), Environmental Protection Agency, 1200 Pennsylvania Ave. NW, Washington, DC 20460. Hand-delivered notifications should be sent to: Office of Land and Emergency Management, Office of Resource Conservation and Recovery, Materials Recovery and Waste Management Division, International Branch (Mail Code 2255A), Environmental Protection Agency, William Jefferson Clinton South Building, Room 6144, 1200 Pennsylvania Ave. NW, Washington, DC 20004. In both cases, the following shall be prominently displayed on the front of the envelope: "Attention: Notification of Intent to Export CRTs."

Revise 261.147(g)(2)(i)(B) to read:

(B) Each state in which a facility covered by the guarantee is located have submitted a written statement to the Department that a guarantee executed as described in this section and section 264.151(g)(2) is a legally valid and enforceable obligation in South Carolina.

Revise 261.151(d) to read:

(d) A certificate of insurance, as specified in section 261.143(ed), must be worded as noted in section 261.151 Appendix D, except that instructions in brackets are to be replaced with the relevant information and the brackets deleted.

Revise 261.151 Appendix E, Financial Test, paragraph 4 to read:

4. This firm is the owner or operator of the following hazardous secondary materials management facilities for which financial assurance is not demonstrated ~~to either to the EPA or~~ the Department through the financial test or any other financial assurance mechanism specified in subpart H of R.61-79.261 or equivalent or substantially equivalent state mechanisms. The current cost estimates not covered by such financial assurance are shown for each facility:_____.

Revise 261.197 to read:

Hazardous secondary material stored in units more than ninety (90) days after the unit ceases to operate under the remanufacturing exclusion at section 261.4(a)(27) or otherwise ceases to be operated for manufacturing, or for storage of a product or a raw material, then becomes subject to regulation as hazardous waste under R.61-79.124, 261 through 266, 268, and 270, ~~and 271~~, as applicable.

Add 261.420(g) to read:

(g) Personnel training. All employees must be thoroughly familiar with proper waste handling and emergency procedures relevant to their responsibilities during normal facility operations and emergencies.

Replace 261 Appendix IX Table 1 to read:

Appendix IX Table 1 — Wastes Excluded from Non-specific Sources		
Facility	Address	Waste Description
Ford Motor Company, Michigan Truck Plant and Wayne Integrated	Wayne, Michigan	Waste water treatment plant sludge, F019, that is generated by Ford Motor Company at the Wayne Integrated Stamping and Assembly Plant from

Appendix IX Table 1—Wastes Excluded from Non-specific Sources

Facility	Address	Waste Description
Stamping and Assembly Plant.		wastewaters from both the Wayne Integrated Stamping and Assembly Plant and the Michigan Truck Plant, Wayne, Michigan at a maximum annual rate of 2,000 cubic yards per year. The sludge must be disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.
Ford Motor Company, Wixom Assembly Plant.	Wixom, Michigan	Waste water treatment plant sludge, F019, that is generated by Ford Motor Company at the Wixom Assembly Plant, Wixom, Michigan at a maximum annual rate of 2,000 cubic yards per year. The sludge must be disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR Part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.
General Motors Corporation, Flint Truck.	Flint, Michigan	Waste water treatment plant sludge, F019, that is generated by General Motors Corporation at Flint Truck, Flint, Michigan at a maximum annual rate of 3,000 cubic yards per year. The sludge must be disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.
General Motors Corporation, Hamtramck.	Detroit, Michigan	Waste water treatment plant sludge, F019, that is generated by General Motors Corporation at Hamtramck, Detroit, Michigan at a maximum annual rate of 3,000 cubic yards per year. The sludge must be disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.
General Motors Corporation, Pontiac East.	Pontiac, Michigan	Waste water treatment plant sludge, F019, that is generated by General Motors Corporation at Pontiac East, Pontiac, Michigan at a maximum annual rate of 3,000 cubic yards per year. The sludge must be

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources		
Facility	Address	Waste Description
		disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.
Trigen/Cinergy USFOS of Lansing LLC at General Motors Corporation, Lansing Grand River.	Lansing, Michigan	Waste water treatment plant sludge, F019, that is generated at General Motors Corporation's Lansing Grand River (GM Grand River) facility by Trigen/Cinergy USFOS of Lansing LLC exclusively from wastewaters from GM Grand River, Lansing, Michigan at a maximum annual rate of 2,000 cubic yards per year. The sludge must be disposed of in a lined landfill with leachate collection, which is licensed, permitted, or otherwise authorized to accept the delisted wastewater treatment sludge in accordance with 40 CFR Part 258. The exclusion becomes effective as of July 30, 2003, per 68 FR 44657, 44658.

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources		
Facility	Address	Waste Description
<u>BMW Manufacturing Co., LLC</u>	<u>Greer, South Carolina</u>	<u>Wastewater treatment sludge (EPA Hazardous Waste No. F019) that BMW Manufacturing Corporation (BMW) generates by treating wastewater from automobile assembly plant located on Highway 101 South in Greer, South Carolina. This is a conditional exclusion for up to 2,850 cubic yards of waste (hereinafter referred to as "BMW Sludge") that will be generated each year and disposed in a Subtitle D landfill after August 31, 2005. With prior approval by the EPA, following a public comment period, BMW may also beneficially reuse the sludge. BMW must demonstrate that the following conditions are met for the exclusion to be valid.</u>
		<u>(1) Delisting Levels: All leachable concentrations for these metals and cyanide must not exceed the following levels (ppm): Barium-100; Cadmium-1; Chromium-5; Cyanide-33.6; Lead-5; and Nickel-70.3. These metal and cyanide concentrations must be measured in the waste leachate obtained by the method specified in 40 CFR 261.24, except that for cyanide, deionized water must be the leaching medium. Cyanide concentrations in waste or</u>

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources

<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		<u>leachate must be measured by the method specified in 268.40, Note 7.</u>
		<u>(2) Annual Verification Testing Requirements: Sample collection and analyses, including quality control procedures, must be performed using appropriate methods. As applicable to the method-defined parameters of concern, analyses requiring the use of SW-846 methods incorporated by reference in 40 CFR 260.11 must be used without substitution. As applicable, the SW-846 methods might include Methods 0010, 0011, 0020, 0023A, 0030, 0031, 0040, 0050, 0051, 0060, 0061, 1010B, 1020C, 1110A, 1310B, 1311, 1312, 1320, 1330A, 9010C, 9012B, 9040C, 9045D, 9060A, 9070A, (uses EPA Method 1664, Rev. A), 9071B, and 9095B. Methods must meet Performance Based Measurement System Criteria in which the Data Quality Objectives are to demonstrate that representative samples of the BMW Sludge meet the delisting levels in Condition (1). (A) Annual Verification Testing: BMW must implement an annual testing program to demonstrate that constituent concentrations measured in the TCLP extract do not exceed the delisting levels established in Condition (1).</u>
		<u>(3) Waste Holding and Handling: BMW must hold sludge containers utilized for verification sampling until composite sample results are obtained. If the levels of constituents measured in the composite samples of BMW Sludge do not exceed the levels set forth in Condition (1), then the BMW Sludge is non-hazardous and must be managed in accordance with all applicable solid waste regulations. If constituent levels in a composite sample exceed any of the delisting levels set forth in Condition (1), the batch of BMW Sludge generated during the time period corresponding to this sample must be managed and disposed of in accordance with Subtitle C of RCRA.</u>
		<u>(4) Changes in Operating Conditions: BMW must notify EPA in writing when significant changes in the manufacturing or wastewater treatment processes are implemented. EPA will determine whether these changes will result in additional constituents of concern. If so, EPA will notify BMW in writing that the BMW Sludge must be managed as hazardous waste F019 until BMW has demonstrated that the wastes meet the delisting levels set forth in Condition (1) and any levels established by EPA for the additional constituents of concern, and BMW has</u>

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources

<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		<u>received written approval from EPA. If EPA determines that the changes do not result in additional constituents of concern, EPA will notify BMW, in writing, that BMW must verify that the BMW Sludge continues to meet Condition (1) delisting levels.</u>
		<u>(5) Data Retention: Records of analytical data from Condition (2) must be compiled, summarized, and maintained by BMW for a minimum of three (3) years, and must be furnished upon request by EPA or the Department, and made available for inspection. Failure to maintain the required records for the specified time will be considered by EPA, at its discretion, sufficient basis to revoke the exclusion to the extent directed by EPA. All data must be accompanied by a signed copy of the certification statement in 40 CFR 260.22(i)(12).</u>
		<u>(6) Reopener Language: (A) If, at any time after disposal of the delisted waste, BMW possesses or is otherwise made aware of any environmental data (including, but not limited to, leachate data or groundwater monitoring data) or any other data relevant to the delisted waste indicating that any constituent identified in the delisting verification testing is at a level higher than the delisting level allowed by EPA in granting the petition, BMW must report the data, in writing, to EPA and the Department within ten (10) days of first possessing or being made aware of that data. (B) If the testing of the waste, as required by Condition (2)(A), does not meet the delisting requirements of Condition (1), BMW must report the data, in writing, to EPA and the Department within ten (10) days of first possessing or being made aware of that data. (C) Based on the information described in paragraphs (6)(A) or (6)(B) and any other information received from any source, EPA will make a preliminary determination as to whether the reported information requires that EPA take action to protect human health or the environment. Further action may include suspending or revoking the exclusion, or other appropriate response necessary to protect human health and the environment. (D) If EPA determines that the reported information does require Agency action, EPA will notify the facility in writing of the action believed necessary to protect human health and the environment. The notice shall include a statement of the proposed action and a statement providing BMW with an opportunity to present information as to why the proposed action is not necessary. BMW shall have 10 days</u>

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources

<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		from the date of EPA’s notice to present such information. (E) Following the receipt of information from BMW, as described in paragraph (6)(D), or if no such information is received within ten (10) days, EPA will issue a final written determination describing the Agency actions that are necessary to protect human health or the environment, given the information received in accordance with paragraphs (6)(A) or (6)(B). Any required action described in EPA’s determination shall become effective immediately, unless EPA provides otherwise.
		(7) Notification Requirements: BMW must provide a one-time written notification to any State Regulatory Agency in a state to which or through which the delisted waste described above will be transported, at least sixty (60) days prior to the commencement of such activities. Failure to provide such a notification will result in a violation of the delisting conditions and a possible revocation of the decision to delist.
<u>Bommer Industries Inc.</u>	<u>Landrum, SC</u>	<u>Wastewater treatment sludges (EPA Hazardous Waste No. F006) generated from their electroplating operations and contained in evaporation ponds #1 and #2 on August 12, 1987.</u>
<u>Hoechst Celanese Corporation</u>	<u>Leeds, South Carolina</u>	<u>Distillation bottoms generated (at a maximum annual rate of 38,500 cubic yards) from the production of sodium hydrosulfite (EPA Hazardous Waste No. F003). This exclusion was published on July 17, 1990.</u>
<u>Michelin Tire Corp.</u>	<u>Sandy Springs, South Carolina</u>	<u>Dewatered wastewater treatment sludge (EPA Hazardous Wastes No. F006) generated from electroplating operations after November 14, 1986.</u>
<u>Savannah River Site (SRS)</u>	<u>Aiken, South Carolina</u>	<u>Vitrified waste (EPA Hazardous Waste Nos. F006 and F028) that the United States Department of Energy Savannah River Operations Office (DOE-SR) generated by treating the following waste streams from the M-Area of the Savannah River Site (SRS) in Aiken, South Carolina, as designated in the SRS Site Treatment Plan: W-004, Plating Line Sludge from Supernate Treatment; W-995, Mark 15 Filter Cake; W-029, Sludge Treatability Samples (glass and cementitious); W-031, Uranium/Chromium Solution; W-037, High Nickel Plating Line Sludge; W-038, Plating Line Sump Material; W-039, Nickel Plating Line Solution; W-048, Soils from Spill Remediation and Sampling Programs; W-054,</u>

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources

<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		<p>Uranium/Lead Solution; W-082, Soils from Chemicals, Metals, and Pesticides Pits Excavation; and Dilute Effluent Treatment Facility (DETF) Filtercake (no Site Treatment Plan code). This is a one-time exclusion for 538 cubic yards of waste (hereinafter referred to as “DOE-SR Vitrified Waste”) that was generated from 1996 through 1999 and 0.12 cubic yard of cementitious treatability samples (hereinafter referred to as “CTS”) generated from 1988 through 1991 (EPA Hazardous Waste No. F006). The one-time exclusion for these wastes is contingent on their being disposed in a low-level radioactive waste landfill, in accordance with the Atomic Energy Act, after August 21, 2002. DOE-SR has demonstrated that concentrations of toxic constituents in the DOE-SR Vitrified Waste and CTS do not exceed the following levels:</p>
		<p>(1) TCLP Concentrations: All leachable concentrations for these metals did not exceed the Land Disposal Restrictions (LDR) Universal Treatment Standards (UTS): (mg/l TCLP): Arsenic-5.0; Barium-21; Beryllium-1.22; Cadmium-0.11; Chromium-0.60; Lead-0.75; Nickel-11; and Silver-0.14. In addition, none of the metals in the DOE-SR Vitrified Waste exceeded the allowable delisting levels of the EPA, Region 6 Delisting Risk Assessment Software (DRAS): (mg/l TCLP): Arsenic-0.0649; Barium-100.0; Beryllium-0.40; Cadmium-1.0; Chromium-5.0; Lead-5.0; Nickel-10.0; and Silver-5.0. These metal concentrations were measured in the waste leachate obtained by the method specified in 40 CFR 261.24.</p>
		<p>Total Concentrations in Unextracted Waste: The total concentrations in the DOE-SR Vitrified Waste, not the waste leachate, did not exceed the following levels (mg/kg): Arsenic-10; Barium-200; Beryllium-10; Cadmium-10; Chromium-500; Lead-200; Nickel-10,000; Silver-20; Acetonitrile-1.0, which is below the LDR UTS of 38 mg/kg; and Fluoride-1.0</p>
		<p>(2) Data Records: Records of analytical data for the petitioned waste must be maintained by DOE-SR for a minimum of three (3) years, and must be furnished upon request by EPA or the Department, and made available for inspection. Failure to maintain the required records for the specified time will be considered by EPA, at its discretion, sufficient basis to revoke the exclusion to the extent</p>

Appendix IX Table 1 – Wastes Excluded from Non-specific Sources

<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		<u>directed by EPA. All data must be maintained with a signed copy of the certification statement in 40 CFR 260.22(i)(12).</u>
		<u>(3) Reopener Language: (A) If, at any time after disposal of the delisted waste, DOE-SR possesses or is otherwise made aware of any environmental data (including, but not limited to, leachate data or groundwater monitoring data) or any other data relevant to the delisted waste indicating that any constituent is identified at a level higher than the delisting level allowed by EPA in granting the petition, DOE-SR must report the data, in writing, to EPA within ten (10) days of first possessing or being made aware of that data. (B) Based on the information described in paragraph (3)(A) and any other information received from any source, EPA will make a preliminary determination as to whether the reported information requires that EPA take action to protect human health or the environment. Further action may include suspending or revoking the exclusion, or other appropriate response necessary to protect human health and the environment. (C) If EPA determines that the reported information does require Agency action, EPA will notify the facility in writing of the action believed necessary to protect human health and the environment. The notice shall include a statement of the proposed action and a statement providing DOE-SR with an opportunity to present information as to why the proposed action is not necessary. DOE-SR shall have ten (10) days from the date of EPA's notice to present such information. (E) Following the receipt of information from DOE-SR, as described in paragraph (3)(D), or if no such information is received within ten (10) days, EPA will issue a final written determination describing the Agency actions that are necessary to protect human health or the environment, given the information received in accordance with paragraphs (3)(A) or (3)(B). Any required action described in EPA's determination shall become effective immediately, unless EPA provides otherwise.</u>
		<u>(4) Notification Requirements: DOE-SR must provide a one-time written notification to any State Regulatory Agency in a state to which or through which the delisted waste described above will be transported, at least sixty (60) days prior to the commencement of such activities. Failure to provide such a notification will result in a</u>

<u>Appendix IX Table 1 – Wastes Excluded from Non-specific Sources</u>		
<u>Facility</u>	<u>Address</u>	<u>Waste Description</u>
		<u>violation of the delisting conditions and a possible revocation of the decision to delist.</u>

Revise 262.12 to read:

(a) Every generator within the Sstate who produces a hazardous waste and has not previously done so shall file with the Department a ~~Notification Form~~ Site Identification Form for that waste within thirty (30) days of the effective date of this regulation.

(b) Every generator within the Sstate who produces a new hazardous waste shall file with the Department a revised or new ~~Notification Form~~ Site Identification Form for that waste within thirty (30) days after such waste is first produced.

(c) Every generator within the Sstate who produces a hazardous waste which is classified or listed for the first time by a revision of R.61-79.261 shall file with the Department a revised or new ~~Notification Form~~ Site Identification Form for that waste within ninety (90) days after the effective date of such revision.

(d) The notification shall be on a form designated by the Department, and shall be completed as required by the instructions supplied with such forms. The information to be furnished on the form shall include, but not be limited to, the location and general description of such activity, the identified or listed hazardous wastes handled by such person and, if applicable, a description of the production of energy recovery activity carried out at the facility and such other information as the Department deems necessary. A generator shall file a revised or new ~~Notification form~~ Site Identification Form whenever the information previously provided becomes outdated or inaccurate.

(e) Persons engaged in the following activities are required to make a separate notification:

(1) Producers of fuels from;

(i) Any hazardous waste identified or listed in R.61-79.261;

(ii) Used oil; and

(iii) Used oil and any other material.

(2) Burners (other than a single two-family residence) for purposed of energy recovery any fuel produced as identified in paragraph one (1).

(3) Distributors or marketers of any fuel as identified in paragraph one (1).

(f) Every generator within the Sstate who no longer produces any hazardous waste shall file with the Department one subsequent ~~Notification form~~ Site Identification Form.

Revise 262.15(a) to read:

(a) A generator may accumulate as much as fifty-five (55) gallons of non-acute hazardous waste and/or either one (1) quart of liquid acute hazardous waste listed in R.61-79.261.31 or section 261.33(e), or one (1) kg (2.2 pounds) of solid acute hazardous waste listed in R.61-79.261.31 or section 261.33(e) in containers at or near any point of generation where wastes initially accumulate which is under the control of the operator of the process generating the waste, without a permit or interim status and without complying with the requirements of R.61-79.124, 264 through 267, and 270, provided that all of the conditions for exemption in this section are met. A generator may comply with the conditions for exemption in this section instead of complying with the conditions for exemption in section 262.16(b) or section 262.17(a), except as required in section 262.15(a)(7) and (8). The conditions for exemption for satellite accumulation are:

Revise 262.17 introductory paragraph to read:

A large quantity generator may accumulate hazardous waste on site without a permit or interim status, and without complying with the requirements of R.61-79.124, 264 through 267, and 270, or the notification requirements of the SC Hazardous Waste Management Act Section 44-56-120 and section 3010 of RCRA, provided that all of the following conditions for exemption are met:

Revise 262.17(a)(8)(iii)(A)(3) to read:

(3) Any hazardous waste generated in the process of closing either the generator's facility or unit(s) accumulating hazardous waste must be managed in accordance with all applicable standards of R.61-79.262, 263, 265, and 268 of this chapter, including removing any hazardous waste contained in these units within ninety (90) days of generating it and managing these wastes in a RCRA Subtitle C hazardous waste permitted treatment, storage, and disposal facility or interim status facility.

Revise 262.17(c) to read:

(c) Accumulation of F006. A large quantity generator who also generates wastewater treatment sludges from electroplating operations that meet the listing description for the EPA hazardous waste number F006, may accumulate F006 waste on site for more than 90 days, but not more than 180 days without being subject to R.61-79.124, 264 through 267, and 270, and the notification requirements of the SC Hazardous Waste Management Act Section 44-56-120 and section 3010 of RCRA, provided that it complies with all of the following additional conditions for exemption:

Strike and reserve 262.18(d)(1) and (d)(2):

~~(1) A small quantity generator must renotify the Department starting in 2021 and every four (4) years thereafter using EPA Form 8700-12. This renotification must be submitted by September 1st of each year in which renotifications are required. [Reserved]~~

~~(2) A large quantity generator must renotify the Department by March 1st of each even-numbered year thereafter using EPA Form 8700-12. A large quantity generator may submit this renotification as part of its Quarterly Reporting required under section 262.41. [Reserved]~~

Revise 262.20(a)(2) to read:

(2) The revised manifest form and procedures in sections 260.10, 261.7, 262.20, 262.21, 262.27, 262.32, 262.34, 262.54 and 262.60, shall not apply until September 5, 2006. The manifest form and procedures in sections 260.10, 261.7, 262.20, 262.21, 262.32, 262.34, 262.54 and 262.60, edition revised as of July 1, 2004, shall be applicable until September 5, 2006.

Revise 262.21(f)(4) to read:

(4) The manifest and continuation sheet must be printed in black ink that can be legibly photocopied, scanned, and faxed, except that the marginal words indicating copy distribution must be in red ink printed with a distinct ink color or with another method (e.g., white text against black background in text box, or black text against grey background in text box) that clearly distinguishes the copy distribution notations from the other text and data entries on the form.

Revise 262.21(h)(2) to read:

(2) If the registrant would like a new tracking number suffix, the registrant must submit a proposed suffix to the EPA Director of the Office of Resource Conservation and Recovery, along with the reason for requesting it. The Agency will either approve the suffix or deny the suffix and provide an explanation why it is not acceptable.

Revise 262.41(a) to read:

(a) ~~Each~~ A large quantity generator of more than 1000 kg/mo of hazardous waste who ships any hazardous waste offsite to a treatment, storage, or disposal facility within the United States must prepare and, no later than thirty (30) days after the end of each calendar quarter, submit a written report to the Department including, but not limited to, the following information unless otherwise indicated ~~(amended 11/90).~~

Revise the definition of “Exporter” in 262.81 to read:

“**Exporter**”, also known as primary exporter on the RCRA hazardous waste manifest, means the person domiciled in the United States- who is required to originate the movement document in accordance with R.61-79.262.83(d) or the manifest for a shipment of hazardous waste in accordance with R.61-79.262 subpart B of this part, ~~or equivalent State provision,~~ which specifies a foreign receiving facility as the facility to which the hazardous wastes will be sent, or any recognized trader who proposes export of the hazardous wastes for recovery or disposal operations in the country of import.

Revise 262.83(a)(6)(i)(B)(2) to read:

(2) Providing the transporter with an additional copy of the manifest, and instructing the transporter via mail, email, or fax to deliver that copy to the U.S. Customs official at the point the hazardous waste leaves the United States in accordance with ~~40 CFR~~ 263.20(g)(4)(ii).

Revise 262.203(b) to read:

(b) When submitting the ~~Notification and Reporting Form~~ Site Identification Form, the eligible academic entity must, at a minimum, fill out the following fields on the form:

Revise 262.204(b) to read:

(b) When submitting the ~~Notification and Reporting Form~~ Site Identification Form, the eligible academic entity must, at a minimum, fill out the following fields on the form:

Revise 262.214 introductory paragraph to read:

An eligible academic entity must develop and retain a written Laboratory Management Plan, or revise an existing written plan. The Laboratory Management Plan is a site-specific document that describes how the eligible academic entity will manage unwanted materials in compliance with this subpart. An eligible academic entity may write one Laboratory Management Plan for all the laboratories owned by the eligible academic entity that have opted into this subpart, even if the laboratories are located at sites with different EPA Identification Numbers. The Laboratory Management Plan must contain two parts with a total of nine elements identified in paragraphs (a) and (b) of this section. In Part I of its Laboratory Management Plan, an eligible academic entity must describe its procedures for each of the elements listed in paragraph (a) of this section. An eligible academic entity must implement and comply with the specific provisions that it develops to address the elements in Part I of the Laboratory Management Plan. In Part II of its Laboratory Management Plan, an eligible academic entity must describe its best management practices for each of the elements listed in paragraph (b) of this section. The specific actions taken by an eligible academic entity to implement each element in Part II of its Laboratory Management Plan may vary from the procedures described in the eligible academic entity's Laboratory Management Plan, without constituting a violation of this subpart. An eligible academic entity may include additional elements and best management practices in Part II of its Laboratory Management Plan if it chooses.

Revise 263.11(b) to read:

(b) A transporter who has not received an identification number may obtain one by submitting the ~~Notification Form~~ Site Identification Form required under Section 263.13. Upon receipt, the Department will assign an identification number to the transporter.

Revise 263.13 to read:

(a) Any person who transports hazardous waste within the ~~S~~state and has not previously done so shall file with the Department a ~~Notification Form~~ Site Identification Form for that activity within thirty (30) days after the effective date of this regulation.

(b) Any person who transports or accepts for transportation within the ~~S~~state a hazardous waste which is classified or listed for the first time by a revision of R.61-79.261 shall file with the Department a revised or new ~~Notification Form~~ Site Identification Form for that waste within ninety (90) days after the effective date of such revision.

Revise 264.1(g)(1) to read:

(1) The owner or operator of a facility permitted, licensed, or registered by the Department to manage municipal or industrial solid waste, if the only hazardous waste the facility treats, stores, or disposes of is excluded under R.61-79.2642.14;

Revise 264.5(a-d) to read:

(a) Any person who owns or operates a facility within the ~~S~~state which treats, stores, or disposeds of a hazardous waste and has not previously done so shall file a completed ~~Notification Form~~ Site Identification Form with the Department within thirty (30) days of the effective date of this regulation.

(b) Any person who plans to construct a new facility to treat, store, or dispose of hazardous waste shall file a completed ~~Notification Form~~ Site Identification Form with the Department as part of ~~his~~the permit application.

(c) This notification shall be on a form designated by the Department and shall be completed as required by the instructions supplied with such form.

(d) Any person who owns or operates a facility which treats, stores, or disposes of a hazardous waste which is classified or listed for the first time by a revision of R.61-79.261 and has not previously done so shall file a revised or new ~~Notification Form~~ Site Identification Form for that waste within ninety (90) days after the effective date of such revision. The information to be furnished on the form shall include, but not be limited to, the location and general description of such activity, the identified or listed hazardous wastes handled by such person and, if applicable, a description of the production or energy recovery activity carried out at the facility and such other information as the Department deems necessary.

Revise 264.11(b) to read:

(b) An owner or operator of a hazardous waste facility who has not previously received an EPA identification number may obtain one by submitting the ~~Notification Form~~ Site Identification Form required under 264.5. Every facility owner or operator must apply for an EPA identification number in accordance with the notification procedures under 264.5. ~~(revised 12/92).~~

Revise 264.13(a)(2) to read:

(2) The analysis may include data developed under R. ~~part 61-79.261~~, and existing published or documented data on the hazardous waste or on hazardous waste generated from similar processes.

Revise 264.314(e) to read:

(e) The placement of any liquid which is not a hazardous waste in a landfill is prohibited unless the owner or operator of such landfill demonstrates to the Department, or the Department determines, that:

Revise 264.340(b)(1) to read:

(1) Except as provided by paragraphs (b)(2) through (b)(4) of this section, the standards of this part do not apply to a new hazardous waste incineration unit that becomes subject to RCRA permit requirements after October 12, 2005; or no longer apply when an owner or operator of an existing hazardous waste incineration unit demonstrates compliance with the maximum achievable control technology (MACT) requirements of part 63, subpart EEE, of this chapter by conducting a comprehensive performance test and submitting to the Administrator a Notification of Compliance under 40 CFR 63.1207(j) and 63.1210(d) of this chapter documenting compliance with the requirements of part 63, subpart EEE. Nevertheless, even after this demonstration of compliance with the MACT standards, RCRA permit conditions that were based on the standards of this part will continue to be in effect until they are removed from the permit or the permit is terminated or revoked, unless the permit expressly provides otherwise.

Revise 264.552(e)(4)(iv)(F) to read:

(F) Alternatives to TCLP. For metal bearing wastes for which metals removal treatment is not used, the Department may specify a leaching test other than the TCLP (SW846 Method 1311, 260.11 ~~(e)(3)(v))~~ to measure treatment effectiveness, provided the Department determines that an alternative leach testing protocol is appropriate for use, and that the alternative more accurately reflects conditions at the site that affect leaching.

Revise 264.1312(a) to read:

(a) The fee calculation formula or methodology that EPA will use initially to determine per manifest fees is as follows:

$$\text{Fee}_i = (\text{System Setup Cost}/[\text{Years} \times N_i]) + (\text{Marginal Cost}_{ti} + [\text{O\&M Cost}/N_i]) \times (1 + \text{Indirect Cost Factor})$$

$$\text{System Setup Cost} = \text{Procurement Cost} + \text{EPA Program Cost}$$

$$\text{O\&M Cost} = \text{Electronic System O\&M Cost} + \text{Paper Center O\&M Cost} + \text{Help Desk Cost} + \text{EPA Program Cost} + \text{CROMERR Cost} + \text{LifeCycle Cost to Modify or Upgrade eManifest System Related Services}$$

Where Fee_i represents the per manifest fee for each manifest submission type “i” and N_i refers to the total number of manifests completed in a year.

Revise 265.1(c)(7) to read:

(7) A generator accumulating waste onsite in compliance with applicable conditions for exemption in R.61-79.262.14 through 262.17, and R.61-79.262 subparts K and L, except to the extent the requirements of R.61-79.2625 are included in those sections and subparts;

Revise 265.1(c)(11) to read:

(11) [~~Header Reserved 12/92, following text retained~~]

Revise 265.5 to read:

(a) Any person who owns or operates a facility within the State which treats, stores, or disposes of a hazardous waste and has not previously done so shall file a completed ~~Notification Form~~ Site Identification Form with the Department within thirty (30) days of the effective date of this regulation.

(b) Any person who plans to construct a new facility to treat, store, or dispose of hazardous waste shall file a completed ~~Notification Form~~ Site Identification Form with the Department as part of ~~his~~ the permit application.

(c) Any person who owns or operates a facility which treats, stores, or disposes of a hazardous waste which is classified or listed for the first time by a revision of R.61-79.261 shall file a revised or new ~~Notification Form~~ Site Identification Form for that waste with the Department within ninety (90) days after the effective date of such revision.

Revise 265.71(a)(2)(i) to read:

(i) Sign and date, by hand, each copy of the manifest;

Revise 265.71(f)(1) to read:

(1) Any requirement in these regulations for the owner or operator of a facility to sign a manifest or manifest certification by hand, or to obtain a handwritten signature, is satisfied by signing with or obtaining a valid and enforceable electronic signature within the meaning of ~~40 CFR~~ 262.25.

Revise 265.71(f)(3) to read:

(3) Any requirement in these regulations for a manifest to accompany a hazardous waste shipment is satisfied when a copy of an electronic manifest is accessible during transportation and forwarded to the person or persons who are scheduled to receive delivery of the hazardous waste shipment.

Revise 265.71(h)(3) to read:

(3) Within thirty ~~(30)~~ days of delivery of the waste to the designated facility, the owner or operator of the facility must send one signed and dated copy of the paper replacement manifest to the generator, and send an additional signed and dated copy of the paper replacement manifest to the electronic manifest system, and

Revise 265.193(i)(2) to read:

(2) For other than non-enterable underground tanks,~~},~~ and for all ancillary equipment, the owner or operator must either conduct a leak test as in paragraph (i)(1) of this section or an internal inspection or other tank integrity examination by a qualified Professional Engineer that addresses cracks, leaks, and corrosion or erosion at least annually. The owner or operator must remove the stored waste from the tank, if necessary, to allow the condition of all internal tanks surfaces to be assessed.

Revise 265.1035(c)(4)(i) to read:

(i) For a thermal vapor incinerator designed to operate with a minimum residence time of 0.50 seconds at a minimum temperature of 760-°C₂ period when the combustion temperature is below 760-°C.

Replace 266.80(a) Table 1 to read:

Table 1 – 266.80 Applicability and requirements			
If your batteries...	And if you...	Then you...	And you...
(1) Will be reclaimed through regeneration (such as by electrolyte replacement).		are exempt from 40-CFR parts 262 (except for section 262.11), 263, 264, 265, 266, 268, 270, 124 of this chapter, section and the notification requirements <u>of the</u> 262.11. <u>South Carolina HWMA 44-56-120 and</u> at section 3010 of RCRA.	are subject to <u>part</u> 261 and 262.11.
(2) Will be reclaimed other than through regeneration.	store these batteries but you aren't the reclaimer generate, collect, and/or transport these batteries.	are exempt from <u>parts</u> 262 (except for <u>section</u> 262.11), 263, 264, 265, 266, 270, 124 of this chapter, and the notification requirements of South Carolina HWMA 44-56-120 and at section 3010 of RCRA	are subject to <u>part</u> 261, <u>section</u> 262.11, and applicable provisions under <u>part</u> 268.
(3) Will be reclaimed other than through regeneration	store these batteries but you aren't the reclaimer.	are exempt from <u>parts</u> 262 (except for <u>section</u> 262.11), 263, 264, 265, 266, 270, 124, and the provisions under notification requirements of South Carolina HWMA 44-56-120 and at section 1310 of RCRA.	are subject to <u>part</u> 261, <u>section</u> 262.11, and applicable provisions under <u>part</u> 268.

Table 1 – 266.80 Applicability and requirements

If your batteries...	And if you...	Then you...	And you...
(4) Will be reclaimed other than through regeneration.	Store these batteries before you reclaim them.	Must comply with 40-CFR <u>section 266.80(b)</u> and as appropriate other regulatory provisions described in <u>section 266.80(b)</u>	are subject to <u>part 261, section 262.11,</u> and applicable provisions under <u>part 268.</u>
(5) Will be reclaimed other than through regeneration.	don't store these batteries before you reclaim them.	are exempt from <u>parts 262</u> (except for <u>section 262.11</u>), 263, 264, 265, 266, 270, 124, and the notification requirements of South Carolina HWMA 44-56-120 and at section 3010 of RCRA	are subject to <u>part 261, section 262.11,</u> and applicable provisions under <u>part 268</u>
(6) Will be reclaimed through regeneration or any other means	export these batteries for reclamation in a foreign country	are exempt from R-61-79-parts <u>parts 262</u> (except for R-61-79-sections <u>sections 262.11,</u> 263, 264, 265, 266, 268, 270, 124, and the notification requirements at the SC Hazardous Waste Management Act 44-56-120 and section 3010 of RCRA.	are subject to <u>part 261, sections 262.11,</u> and applicable provisions under <u>part 262</u>
(7) Will be reclaimed through regeneration or any other means	Transport these batteries in the U.S. to export them for reclamation in a foreign country	are exempt from R-61-79- <u>parts 263,</u> 264, 265, 266, 268, 270, 124, and the notification requirements at the SC Hazardous Waste Management Act 44-56-120 and section 3010 of RCRA	must comply with applicable requirements in R-61-79-part <u>part 262,</u> subpart H.
(8) Will be reclaimed other than through regeneration	Import these batteries from a foreign country and store these batteries but you aren't the reclaimer	are exempt from R-61-79-parts <u>parts 262</u> (except for R-61-79-sections <u>sections 262.11,</u> 263, 264, 265, 266, 270, 124, and the notification requirements at the SC Hazardous Waste Management Act 44-56-120 and section 3010 of RCRA	are subject to <u>part 261, sections 262.11,</u> <u>part 262</u> subpart H, and applicable provisions under R-61-79-part <u>part 268.</u>
(9) Will be reclaimed other than through regeneration	Import these batteries from a foreign country and store these batteries	must comply with <u>section 266.80(b)</u> and as appropriate other regulatory provisions described in <u>section 266.80(b)</u>	are subject to R-61-79-part <u>part 261, sections 262.11,</u>

Table 1 – 266.80 Applicability and requirements

If your batteries...	And if you...	Then you...	And you...
	before you reclaim them		262.18, <u>part 262 subpart H</u> , and applicable provisions under R.61-79-part 268.
(10) Will be reclaimed other than through regeneration	Import these are exempt from <u>a</u> (except for foreign country and don't store these batteries before you reclaim them	these are exempt from R.61-79.parts 262 are subject to <u>sections</u> 262.11, R.61-79-part 263, 264, 265, 261, <u>sections</u> 266, 270, 124, and the notification requirements at SC Hazardous Waste Management Act 44-56-120 and section 3010 of RCRA	262 are subject to <u>sections</u> 262.11, <u>part 262 subpart H</u> , and applicable provisions under R.61-79-part 268.

Revise 266.80(b)(1)(iv) to read:

(iv) All applicable provisions in subparts C and D of part 265 of this chapter.

Revise 266.80(b)(2)(iv) to read:

(iv) All applicable provisions in subparts C and D of part 264 of this chapter.

Revise 266.80(b)(2)(v) to read:

(v) All applicable provisions in subpart E of part 264 of this chapter (~~but not except~~ 264.71 or 264.72 (dealing with the use of the manifest and manifest discrepancies)).

Revise 266.100(b)(3) to read:

(3) If you own or operate a boiler or hydrochloric acid production furnace that is an area source under ~~Sec. 40 CFR part~~ section 63.2 and you elect not to comply with the emission standards under ~~40 CFR part~~ sections 63.1216, 63.1217, and 63.1218 for particulate matter, semivolatile and low volatile metals, and total chlorine, you also remain subject to:

Revise 266.100(b)(4) to read:

(4) The particulate matter standard of 266.105 remains in effect for boilers that elect to comply with the alternative to the particulate matter standard under ~~40 CFR part~~ sections 63.1216(e) and 63.1217(e).

Add 268.7(a)(5)(i-iii) to read:

(i) The waste analysis plan must be based on a detailed chemical and physical analysis of a representative sample of the prohibited waste(s) being treated, and contain all information necessary to treat the waste(s) in accordance with the requirements of this part, including the selected testing frequency.

(ii) Such plan must be kept in the facility's on-site files and made available to inspectors.

(iii) Wastes shipped off site pursuant to this paragraph must comply with the notification requirements of section 268.7(a)(3).

Revise 268.7(a)(7) to read:

(7) If a generator determines that he or she is managing a prohibited waste that ~~is~~ excluded from the definition of hazardous or solid waste or is exempted from Subtitle C regulation under 261.2 through 261.6 subsequent to the point of generation (including deactivated characteristic hazardous wastes managed in wastewater treatment systems subject to the Clean Water Act (CWA) as specified at 261.4(a)(2), or are CWA equivalent), or are managed in an underground injection well regulated by R.61-9 and R.61-68), he or she must place a one-time notice describing such generation, subsequent exclusion from the definition of hazardous or solid waste or exemption from RCRA Subtitle C regulation, and the disposition of the waste, in the facility's on-site files.

Revise 268.9(a) to read:

(a) The initial generator of a solid waste must determine each EPA 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 262.11. For purposes of part 268, the waste will carry the waste code for any applicable listed waste (~~40 CFR~~ part 261, subpart D). In addition, where the waste exhibits a characteristic, the waste will carry one or more of the characteristic waste codes (~~40 CFR~~ part 261, subpart C), except when the treatment standard for the listed waste operates in lieu of the treatment standard for the characteristic waste, as specified in paragraph (b) of this section. If the generator determines that their waste displays a hazardous characteristic (and is not D001 nonwastewaters treated by CMBST, RORGS, OR POLYM of 268.42, Table 1), the generator must determine the underlying hazardous constituents (as defined at 268.2(i)) in the characteristic waste.

Replace Table 268.40 under waste code "K088" to read:

268.40 – Treatment Standards for Hazardous Waste					
WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
D001 ⁹	Ignitable Characteristic Wastes, except for the 261.21(a)(1) High TOC Subcategory.	NA	NA	DEACT and meet 268.48 standards ⁸ ; or RORGS; or CMBST	DEACT and meet 268.48 standards ⁸ ; or RORGS; or CMBST
	High TOC Ignitable Characteristic Liquids	NA	NA	NA	RORGS; CMBST; or POLYM

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	Subcategory based on 261.21(a)(1) – Greater than or equal to 10% total organic carbon. (Note: This subcategory consists of nonwastewaters only.)				
D002 ⁹	Corrosive Characteristic Wastes.	NA	NA	DEACT and meet 268.48 standards ⁸	DEACT and meet 268.48 standards ⁸
D002, D004, D005, D006, D007, D008, D009, D010, D011	Radioactive high level wastes generated during the reprocessing of fuel rods. (Note: This subcategory consists of nonwastewaters only.)	Corrosivity (pH)	NA	NA	HLVIT
		Arsenic	7440-38-2	NA	HLVIT
		Barium	7440-39-3	NA	HLVIT
		Cadmium	7440-43-9	NA	HLVIT
		Chromium (Total)	7440-47-3	NA	HLVIT
		Lead	7439-92-1	NA	HLVIT
		Mercury	7439-97-6	NA	HLVIT
		Selenium	7782-49-2	NA	HLVIT
D003 ⁹	Reactive Sulfides Subcategory based on 261.23(a)(5)	NA	NA	DEACT	DEACT
	Explosives Subcategory based on 261.23(a)(6), (7), and (8)	NA	NA	DEACT and meet 268.48 standards ⁸	DEACT and meet 268.48 standards ⁸
	Unexploded ordnance and other explosive devices which have been the subject of an emergency response.	NA	NA	DEACT	DEACT
	Other Reactives Subcategory based on 261.23(a)(1).	NA	NA	DEACT and meet 268.48 standards ⁸	DEACT and meet 268.48 standards ⁸
	Water Reactive Subcategory based on 261.23(a)(2), (3), and (4). (Note: This subcategory consists of nonwastewaters only.)	NA	NA	NA	DEACT and meet 268.48 standards ⁸
	Reactive Cyanides Subcategory based on 261.23(a)(5).	Cyanides (Total) ⁷	57-12-5	Reserved	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
D004 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for arsenic based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Arsenic	7440-38-2	1.4 and meet 268.48 standards ⁸	5.0 mg/l TCLP and meet 268.48 standards ⁸
D005 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for barium based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Barium	7440-39-3	1.2 and meet 268.48 standards ⁸	21 mg/l TCLP and meet 268.48 standards ⁸
D006 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for cadmium based on the	Cadmium	7440-43-9	0.69 and meet 268.48 standards ⁸	0.11 mg/l TCLP and meet 268.48 standards ⁸

268.40 – Treatment Standards for Hazardous Waste					
WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	toxicity characteristic leaching procedure (TCLP) in SW846.				
	Cadmium Containing Batteries Subcategory. (Note: This subcategory consists of nonwastewaters only.)	Cadmium	7440-43-9	NA	RTHRM
	Radioactively contaminated cadmium containing batteries. (Note: This subcategory consists of nonwastewaters only) (6/04)	Cadmium	7440-43-9	NA	Macroencapsulation in accordance with 268.45
D007 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for chromium based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Chromium (Total)	7440-47-3	2.77 and meet 268.48 standards ⁸	0.60 mg/l TCLP and meet 268.48 standards ⁸
D008 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for lead based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Lead	7439-92-1	0.69 and meet 268.48 standards ⁸	0.75 mg/l TCLP and meet 268.48 standards ⁸
	Lead Acid Batteries Subcategory (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of 268 or exempted under other EPA regulations (see 266.80). This subcategory consists of nonwastewaters only.)	Lead	7439-92-1	NA	RLEAD
	Radioactive Lead Solids Subcategory (Note: these lead solids include, but are not limited to, all forms of lead shielding and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and stabilized as ash. This subcategory consists of nonwastewaters only.)	Lead	7439-92-1	NA	MACRO
D009 ⁹	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on the toxicity characteristic leaching procedure (TCLP) in SW846; and contain greater than or equal to 260 mg/kg total mercury	Mercury	7439-97-6	NA	IMERC; OR RMERC

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	that also contain organics and are not incinerator residues. (High Mercury-Organic Subcategory)				
	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on the toxicity characteristic leaching procedure (TCLP) in SW846; and contain greater than or equal to 260 mg/kg total mercury that are inorganic, including incinerator residues and residues from RMERC. (High Mercury-Inorganic Subcategory)	Mercury	7439-97-6	NA	RMERC
	Nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on the toxicity characteristic leaching procedure (TCLP) in SW846; and contain less than 260 mg/kg total mercury and that are residues from RMERC only. (Low Mercury Subcategory)	Mercury	7439-97-6	NA	0.20 mg/l TCLP and meet 268.48 standards ⁸
	All other nonwastewaters that exhibit, or are expected to exhibit, the characteristic of toxicity for mercury based on the toxicity characteristic leaching procedure (TCLP) in SW846, and contain less than 260 mg/kg total mercury and that are not residues from RMERC. (Low Mercury Subcategory)	Mercury	7439-97-6	NA	0.025 mg/l TCLP and meet 268.48 standards ⁸
	All D009 wastewaters.	Mercury	7439-97-6	0.15 and meet 268.48 standards ⁸	NA
	Elemental mercury contaminated with radioactive materials. (Note: This subcategory consists of nonwastewaters only.)	Mercury	7439-97-6	NA	AMLGM
	Hydraulic oil contaminated with Mercury Radioactive Materials Subcategory. (Note: This subcategory consists of nonwastewaters only.)	Mercury	7439-97-6	NA	IMERC
	Radioactively contaminated mercury containing batteries. (Note: This subcategory consists of nonwastewaters only) (6/04)	Mercury	7439-97-6	NA	Macroencapsulation in accordance with 268.45
D010 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for selenium based on the	Selenium	7782-49-2	0.82 and meet 268.48 standards ⁸	5.7 mg/l TCLP and meet 268.48

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	toxicity characteristic leaching procedure (TCLP) in SW846.				standards ⁸
	Radioactively contaminated silver containing batteries. (Note: This subcategory consists of nonwastewaters only) (6/04)	Silver	7440-22-4	NA	Macroencapsulation in accordance with 268.45
D011 ⁹	Wastes that exhibit, or are expected to exhibit, the characteristic of toxicity for silver based on the toxicity characteristic leaching procedure (TCLP) in SW846.	Silver	7440-22-4	0.43 and meet 268.48 standards ⁸	0.14 mg/l TCLP and meet 268.48 standards ⁸
D012 ⁹	Wastes that are TC for Endrin based on the TCLP in SW846 Method 1311.	Endrin	72-20-8	BIODG; or CMBST	0.13 and meet 268.48 standards ⁸
		Endrin aldehyde	7421-93-4	BIODG; or CMBST	0.13 and meet 268.48 standards ⁸
D013 ⁹	Wastes that are TC for Lindane based on the TCLP in SW846 Method 1311.	alpha-BHC	319-84-6	CARBON; or CMBST	0.066 and meet 268.48 standards ⁸
		beta-BHC	319-85-7	CARBON; or CMBST	0.066 and meet 268.48 standards ⁸
		delta-BHC	319-86-8	CARBON; or CMBST	0.066 and meet 268.48 standards ⁸
		gamma-BHC (Lindane)	58-89-9	CARBON; or CMBST	0.066 and meet 268.48 standards ⁸
D014 ⁹	Wastes that are TC for Methoxychlor based on the TCLP in SW846 Method 1311.	Methoxychlor	72-43-5	WETOX or CMBST	0.18 and meet 268.48 standards ⁸
D015 ⁹	Wastes that are TC for Toxaphene based on the TCLP in SW846 Method 1311.	Toxaphene	8001-35-2	BIODG or CMBST	2.6 and meet 268.48 standards ⁸
D016 ⁹	Wastes that are TC for 2,4-D (2,4-Dichlorophenoxyacetic acid) based on the TCLP in SW846 Method 1311.	2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	CHOXD, BIODG, or CMBST	10 and meet 268.48 standards ⁸
D017 ⁹	Wastes that are TC for 2,4,5-TP (Silvex) based on the TCLP in SW846 Method 1311.	2,4,5-TP (Silvex)	93-72-1	CHOXD or CMBST	7.9 and meet 268.48 standards ⁸
D018 ⁹	Wastes that are TC for Benzene based on the TCLP in SW846 Method 1311.	Benzene	71-43-2	0.14 and meet 268.48 standards ⁸	10 and meet 268.48 standards ⁸
D019 ⁹	Wastes that are TC for Carbon tetrachloride based on the TCLP in SW846 Method 1311.	Carbon tetrachloride	56-23-5	0.057 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
D020 ⁹	Wastes that are TC for Chlordane based on the TCLP in SW846 Method 1311.	Chlordane (alpha and gamma isomers)	57-74-9	0.0033 and meet 268.48 standards ⁸	0.26 and meet 268.48 standards ⁸
D021 ⁹	Wastes that are TC for Chlorobenzene based on the TCLP in SW846 Method 1311.	Chlorobenzene	108-90-7	0.057 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D022 ⁹	Wastes that are TC for Chloroform based on the TCLP in SW846 Method 1311.	Chloroform	67-66-3	0.046 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D023 ⁹	Wastes that are TC for o-Cresol based on the TCLP in SW846 Method 1311.	o-Cresol	95-48-7	0.11 and meet 268.48 standards ⁸	5.6 and meet 268.48 standards ⁸
D024 ⁹	Wastes that are TC for m-Cresol based on the TCLP in SW846 Method 1311.	m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77 and meet 268.48 standards ⁸	5.6 and meet 268.48 standards ⁸
D025 ⁹	Wastes that are TC for p-Cresol based on the TCLP in SW846 Method 1311.	p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77 and meet 268.48 standards ⁸	5.6 and meet 268.48 standards ⁸
D026 ⁹	Wastes that are TC for Cresols (Total) based on the TCLP in SW846 Method 1311.	Cresol-mixed isomers (Cresylic acid) (sum o-, m-, and p-cresol concentrations)	1319-77-3	0.88 and meet 268.48 standards ⁸	11.2 and meet 268.48 standards ⁸
D027 ⁹	Wastes that are TC for p-Dichlorobenzene based on the TCLP in SW846 Method 1311.	p-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	0.090 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D028 ⁹	Wastes that are TC for 1,2-Dichloroethane based on the TCLP in SW846 Method 1311.	1,2-Dichloroethane	107-06-2	0.21 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D029 ⁹	Wastes that are TC for 1,1-Dichloroethylene based on the TCLP in SW846 Method 1311.	1,1-Dichloroethylene	75-35-4	0.025 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D030 ⁹	Wastes that are TC for 2,4-Dinitrotoluene based on the TCLP in SW846 Method 1311.	2,4-Dinitrotoluene	121-14-2	0.32 and meet 268.48 standards ⁸	140 and meet 268.48 standards ⁸
D031 ⁹	Wastes that are TC for Heptachlor based on the TCLP in SW846 Method 1311.	Heptachlor	76-44-8	0.0012 and meet 268.48 standards ⁸	0.066 and meet 268.48 standards ⁸
		Heptachlor epoxide	1024-57-3	0.016 and meet 268.48 standards ⁸	0.066 and meet 268.48 standards ⁸
D032 ⁹	Wastes that are TC for Hexachlorobenzene based on the TCLP in SW846 Method 1311.	Hexachlorobenzene	118-74-1	0.055 and meet 268.48 standards ⁸	10 and meet 268.48 standards ⁸
D033 ⁹	Wastes that are TC for Hexachlorobutadiene based on the TCLP in SW846 Method 1311.	Hexachlorobutadiene	87-68-3	0.055 and meet 268.48 standards ⁸	5.6 and meet 268.48 standards ⁸
D034 ⁹	Wastes that are TC for Hexachloroethane based on the TCLP in SW846 Method 1311.	Hexachloroethane	67-72-1	0.055 and meet 268.48 standards ⁸	30 and meet 268.48 standards ⁸

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
D035 ⁹	Wastes that are TC for Methyl ethyl ketone based on the TCLP in SW846 Method 1311.	Methyl ethyl ketone	78-93-3	0.28 and meet 268.48 standards ⁸	36 and meet 268.48 standards ⁸
D036 ⁹	Wastes that are TC for Nitrobenzene based on the TCLP in SW846 Method 1311.	Nitrobenzene	98-95-3	0.068 and meet 268.48 standards ⁸	14 and meet 268.48 standards ⁸
D037 ⁹	Wastes that are TC for Pentachlorophenol based on the TCLP in SW846 Method 1311.	Pentachlorophenol	87-86-5	0.089 and meet 268.48 standards ⁸	7.4 and meet 268.48 standards ⁸
D038 ⁹	Wastes that are TC for Pyridine based on the TCLP in SW846 Method 1311.	Pyridine	110-86-1	0.014 and meet 268.48 standards ⁸	16 and meet 268.48 standards ⁸
D039 ⁹	Wastes that are TC for Tetrachloroethylene based on the TCLP in SW846 Method 1311.	Tetrachloroethylene	127-18-4	0.056 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D040 ⁹	Wastes that are TC for Trichloroethylene based on the TCLP in SW846 Method 1311.	Trichloroethylene	79-01-6	0.054 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
D041 ⁹	Wastes that are TC for 2,4,5-Trichlorophenol based on the TCLP in SW846 Method 1311.	2,4,5-Trichlorophenol	95-95-4	0.18 and meet 268.48 standards ⁸	7.4 and meet 268.48 standards ⁸
D042 ⁹	Wastes that are TC for 2,4,6-Trichlorophenol based on the TCLP in SW846 Method 1311.	2,4,6-Trichlorophenol	88-06-2	0.035 and meet 268.48 standards ⁸	7.4 and meet 268.48 standards ⁸
D043 ⁹	Wastes that are TC for Vinyl chloride based on the TCLP in SW846 Method 1311.	Vinyl chloride	75-01-4	0.27 and meet 268.48 standards ⁸	6.0 and meet 268.48 standards ⁸
F001, F002, F003, F004, & F005	F001, F002, F003, F004 and/or F005 solvent wastes that contain any combination of one or more of the following spent solvents: acetone, benzene, n-butyl alcohol, carbon disulfide, carbon tetrachloride, chlorinated fluorocarbons, chlorobenzene, o-cresol, m-cresol, p-cresol, cyclohexanone, o-dichlorobenzene, 2-ethoxyethanol, ethyl acetate, ethyl benzene, ethyl ether, isobutyl alcohol, methanol, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone, nitrobenzene, 2-nitropropane, pyridine, tetrachloroethylene, toluene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethylene, trichloromonofluoromethane, and/or xylenes [except as specifically noted	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 (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
		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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	in other subcategories]. See further details of these listings in 261.31.	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
	F003 and/or F005 solvent wastes that contain any combination of one or more of the following three solvents as the only listed F001-5 solvents: carbon disulfide, cyclohexanone, and/or methanol. (formerly 268.41(c))	Carbon disulfide	75-15-0	3.8	4.8 mg/l TCLP
		Cyclohexanone	108-94-1	0.36	0.75 mg/l TCLP
		Methanol	67-56-1	5.6	0.75 mg/l TCLP
	F005 solvent waste containing 2-Nitropropane as the only listed F001-5 solvent.	2-Nitropropane	79-46-9	(WETOX or CHOXD) CARBN; or CMBST	CMBST
	F005 solvent waste containing 2-Ethoxyethanol as the only listed F001-5 solvent.	2-Ethoxyethanol	110-80-5	BIODG; or CMBST	CMBST
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
F007	Spent cyanide plating bath solutions from electroplating operations.	Cadmium	7440-43-9	NA	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.	Cadmium	7440-43-9	NA	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.	Cadmium	7440-43-9	NA	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	NA
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.	Cadmium	7440-43-9	NA	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	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	0.11 mg/l TCLP
F012	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.	Cadmium	7440-43-9	NA	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
F019	Wastewater treatment sludges from the chemical conversion coating of	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
F020, F021, F022, F023, F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of: (1) tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives, excluding wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol (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 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); (2) tetra-, penta-, or hexachlorobenzenes under alkaline conditions (i.e., F026).	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
		Pentachlorophenol	87-86-5	0.089	7.4
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in 261.31 or 261.32.).	All F024 wastes	NA	CMBST ¹¹	CMBST ¹¹
		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-Dichloroethane	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
F025	Condensed light ends from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. F025-Light Ends Subcategory	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		1,2-Dichloroethane	107-06-2	0.21	6.0
		1,1-Dichloroethylene	75-35-4	0.025	6.0
		Methylene chloride	75-9-2	0.089	30
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Trichloroethylene	79-01-6	0.054	6.0
		Vinyl chloride	75-01-4	0.27	6.0
	Spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. F025-Spent Filters/Aids and Desiccants Subcategory	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Hexachlorobenzene	118-74-1	0.055	10
		Hexachlorobutadiene	87-68-3	0.055	5.6
		Hexachloroethane	67-72-1	0.055	30
		Methylene chloride	75-9-2	0.089	30
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Trichloroethylene	79-01-6	0.054	6.0
		Vinyl chloride	75-01-4	0.27	6.0
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.).	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
		Pentachlorophenol	87-86-5	0.089	7.4
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Wastes Nos. F020, F021, F023, F026, and F027.	HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
		Pentachlorophenol	87-86-5	0.089	7.4
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
F032	Wastewaters (except those that have not come into contact with process contaminants), process residuals,	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with 261.35 of this chapter or sediment sludge from the treatment of wastewater from wood preserving processes that use potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom creosote and/or penta-chlorophenol.	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 ¹¹	0.001, or CMBST ¹¹
		Hexachlorodibenzofurans	NA	0.000063, or CMBST ¹¹	0.001, or CMBST ¹¹
		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 ¹¹	0.001, or CMBST ¹¹
		Pentachlorodibenzofurans	NA	0.000035, or CMBST ¹¹	0.001, or CMBST ¹¹
		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 ¹¹	0.001, or CMBST ¹¹
		Tetrachlorodibenzofurans	NA	0.000063, or CMBST ¹¹	0.001, or CMBST ¹¹
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
F034	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	Acenaphthene	83-32-9	0.059	3.4
		Anthracene	120-12-7	0.059	3.4
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Fluorene	86-73-7	0.059	3.4
		Indeno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Pyrene	129-00-0	0.067	8.2
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
F035	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
F037	Petroleum refinery primary oil/water/solids separation sludge-Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as define in 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing.	Acenaphthene	83-32-9	0.059	NA
		Anthracene	120-12-7	0.059	3.4
		Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		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) ⁷	57-12-5	1.2	590
		Lead	7439-92-1	0.69	NA
		Nickel	7440-02-0	NA	11 mg/l TCLP
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological units) and F037, K048, and K051 are not included in this listing.	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) ⁷	57-12-5	1.2	590
		Lead	7439-92-1	0.69	NA
		Nickel	7440-02-0	NA	11 mg/l TCLP
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028). (6/02, 2/07)	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
		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	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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		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 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	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	69638-32-9	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
		o-Cresol	95-48-7	0.11	5.6
		p-Cresidine	120-71-8	0.010	0.66
		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-Dibromomethane)	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		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
		2,4-Dimethylaniline (2,4-xyldine)	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	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) (6/02)	65822-46-9	0.000035	0.0025
		1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF) (6/02)	67562-39-4	0.000035	0.0025
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF) (6/02)	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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	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 (OCDD) (6/02)	3268-87-9	0.000063	0.0025
		1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (6/02)	39001-02-0	0.000063	0.005
		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)	NA	0.00063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		1,3-Phenylenediamine	108-45-2	0.010	0.66
		Phorate	298-02-2	0.021	4.6
		Phthalic anhydride	85-44-9	0.055	NA
		Pronamide	23950-58-5	0.093	1.5
		Pyrene	129-00-0	0.067	8.2
		Pyridine	110-86-1	0.014	16
		Safrole	94-59-7	0.081	22
		Silvex (2,4,5-TP)	93-72-1	0.72	7.9
		2,4,5-T	93-76-5	0.72	7.9
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
		Toluene	108-88-3	0.080	10
		Toxaphene	8001-35-2	0.0095	2.6
		Bromoform (Tribromomethane)	75-25-2	0.63	15
		1,2,4-Trichlorobenzene	120-82-1	0.055	19
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Trichloroethylene	79-01-6	0.054	6.0
		Trichloromonofluoromethane	75-69-4	0.020	30
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		1,2,3-Trichloropropane	96-18-4	0.85	30
		1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
		tris(2,3-Dibromopropyl) phosphate	126-72-7	0.11	NA
		Vinyl chloride	75-01-4	0.27	6.0
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Antimony	7440-36-0	1.9	1.15 mg/l TCLP
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Barium	7440-39-3	1.2	21 mg/l TCLP
		Beryllium	7440-41-7	0.82	NA
		Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Selenium	7782-49-2	0.82	5.7 mg/l TCLP
		Silver	7440-22-4	0.43	0.14 mg/l TCLP
		Sulfide	8496-25-8	14	NA
		Thallium	7440-28-0	1.4	NA
		Vanadium	7440-62-2	4.3	NA
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.	Naphthalene	91-20-3	0.059	5.6
		Pentachlorophenol	87-86-5	0.089	7.4
		Phenanthrene	85-01-8	0.059	5.6
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K003	Wastewater treatment sludge from the production of molybdate orange pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K004	Wastewater treatment sludge from the production of zinc yellow pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K005	Wastewater treatment sludge from the production of chrome green pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Wastewater treatment sludge from the production of chrome oxide green pigments (hydrated).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	NA
K007	Wastewater treatment sludge from the production of iron blue pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
K008	Oven residue from the production of chrome oxide green pigments.	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	Chloroform	67-66-3	0.046	6.0
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	Chloroform	67-66-3	0.046	6.0
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.14	10
		Cyanide (Total)	57-12-5	1.2	590
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.14	10
		Cyanide (Total)	57-12-5	1.2	590
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	Acetonitrile	75-05-8	5.6	38
		Acrylonitrile	107-13-1	0.24	84
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.14	10
		Cyanide (Total)	57-12-5	1.2	590
K015	Still bottoms from the distillation of benzyl chloride.	Anthracene	120-12-7	0.059	3.4
		Benzal chloride	98-87-3	0.055	6.0
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
		Phenanthrene	85-01-8	0.059	5.6
		Toluene	108-88-3	0.080	10
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	Nickel	7440-02-0	3.98	11 mg/l TCLP
		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
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	Tetrachloroethylene	127-18-4	0.056	6.0
		bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
		1,2-Dichloropropane	78-87-5	0.85	18
		1,2,3-Trichloropropane	96-18-4	0.85	30
K018	Heavy ends from the fractionation column in ethyl chloride production.	Chloroethane	75-00-3	0.27	6.0
		Chloromethane	74-87-3	0.19	NA
		1,1-Dichloroethane	75-34-3	0.059	6.0
		1,2-Dichloroethane	107-06-2	0.21	6.0
		Hexachlorobenzene	118-74-1	0.055	10
		Hexachlorobutadiene	87-68-3	0.055	5.6
		Hexachloroethane	67-72-1	0.055	30
		Pentachloroethane	76-01-7	NA	6.0
K019		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		bis(2-Chloroethyl)ether	111-44-4	0.033	6.0

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	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	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
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	1,2-Dichloroethane	107-06-2	0.21	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
K021	Aqueous spent antimony catalyst waste from fluoromethanes production.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Antimony	7440-36-0	1.9	1.15 mg/l TCLP
K022	-Distillation bottom tars from the production of phenol/acetone from cumene.	Toluene	108-88-3	0.080	10
		Acetophenone	96-86-2	0.010	9.7
		Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
		Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
		Phenol	108-95-2	0.039	6.2
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	NA	NA	LLEXT fb SSTRP fb CARBN; or CMBST	CMBST
K026	Stripping still tails from the production of methyl ethyl pyridines.	NA	NA	CMBST	CMBST
K027	Centrifuge and distillation residues from toluene diisocyanate production.	NA	NA	CARBON; or CMBST	CMBST
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	1,1-Dichloroethane	75-34-3	0.059	6.0
		trans-1,2-Dichloroethylene	156-60-5	0.054	30
		Hexachlorobutadiene	87-68-3	0.055	5.6

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		Hexachloroethane	67-72-1	0.055	30
		Pentachloroethane	76-01-7	NA	6.0
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Cadmium	7440-43-9	0.69	NA
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	Chloroform	67-66-3	0.046	6.0
		1,2-Dichloroethane	107-06-2	0.21	6.0
		1,1-Dichloroethylene	75-35-4	0.025	6.0
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
		Vinyl chloride	75-01-4	0.27	6.0
K030	Column bodies or heavy ends from the combined production of trichloroethylene and perchloroethylene.	o-Dichlorobenzene	95-50-1	0.088	NA
		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
K031	By-product salts generated in the production of MSMA and cacodylic acid.	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Hexachlorocyclopentadiene	77-47-4	0.057	2.4
		Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26
K032	Wastewater treatment sludge from the production of chlordane.	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
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
K035	Wastewater treatment sludges generated in the production of creosote.	Acenaphthene	83-32-9	NA	3.4
		Anthracene	120-12-7	NA	3.4
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Chrysene	218-01-9	0.059	3.4
		o-Cresol	95-48-7	0.11	5.6
		m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
		Dibenz(a,h)anthracene	53-70-3	NA	8.2
		Fluoranthene	206-44-0	0.068	3.4
		Fluorene	86-73-7	NA	3.4
		Indeno(1,2,3-cd)pyrene	193-39-5	NA	3.4
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyrene	129-00-0	0.067	8.2
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.	Disulfoton	298-04-4	0.017	6.2
K037	Wastewater treatment sludges from the production of disulfoton.	Disulfoton	298-04-4	0.017	6.2
		Toluene	108-88-3	0.080	10
K038	Wastewater from the washing and stripping of phorate production.	Phorate	298-02-2	0.021	4.6
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	NA	NA	CARBON; or CMBST	CMBST
K040	Wastewater treatment sludge from the production of phorate.	Phorate	298-02-2	0.021	4.6
K041	Wastewater treatment sludge from the production of toxaphene.	Toxaphene	8001-35-2	0.0095	2.6
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	o-Dichlorobenzene	95-50-1	0.088	6.0
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Pentachlorobenzene	608-93-5	0.055	10
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
		1,2,4-Trichlorobenzene	120-82-1	0.055	19
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	2,4-Dichlorophenol	120-83-2	0.044	14
		2,6-Dichlorophenol	187-65-0	0.044	14
		2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
		Pentachlorophenol	87-86-5	0.089	7.4
		Tetrachloroethylene	127-18-4	0.056	6.0
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
		TCDDs (All Tetrachlorodibenzop-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	NA	NA	DEACT	DEACT
K045	Spent carbon from the treatment of wastewater containing explosives.	NA	NA	DEACT	DEACT

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	Lead	7439-92-1	0.69	0.75 mg/l TCLP
K047	Pink/red water from TNT operations	NA	NA	DEACT	DEACT
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
		Chrysene	218-01-9	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	0.509	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) ⁷	57-12-5	1.2	590
		Lead	7439-92-1	0.69	NA
		Nickel	7440-02-0	NA	11 mg/l TCLP
K049	Slop oil emulsion solids from the petroleum refining industry.	Anthracene	120-12-7	0.059	3.4
		Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
		Carbon disulfide	75-15-0	3.8	NA
		Chrysene	218-01-9	0.059	3.4
		2,4-Dimethylphenol	105-67-9	0.036	NA
		Ethylbenzene	100-41-4	0.057	10
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Cyanides (Total) ⁷	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	11mg/l TCLP
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	Benzo(a)pyrene	50-32-8	0.061	3.4
		Phenol	108-95-2	0.039	6.2
		Cyanides (Total) ⁷	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
K051	API separator sludge from the petroleum refining industry.	Nickel	7440-02-0	NA	11 mg/l TCLP
		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	218-01-9	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) ⁷	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
K052	Tank bottoms (leaded) from the petroleum refining industry.	Nickel	7440-02-0	NA	11 mg/l TCLP
		Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		o-Cresol	95-48-7	0.11	5.6
		m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
		p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6
		2,4-Dimethylphenol	105-67-9	0.036	NA
		Ethylbenzene	100-41-4	0.057	10
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Toluene	108-88-3	0.08	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Lead	7439-92-1	0.69	NA
		Nickel	7440-02-0	NA	11 mg/l TCLP
K060	Ammonia still lime sludge from coking operations.	Benzene	71-43-2	0.14	10
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Naphthalene	91-20-3	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Cyanides (Total) ⁷	57-12-5	1.2	590
K061		Antimony	7440-36-0	NA	1.15 mg/l TCLP

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	Emission control dust/sludge from the primary production of steel in electric furnaces.	Arsenic	7440-38-2	NA	5.0 mg/l TCLP
		Barium	7440-39-3	NA	21 mg/l TCLP
		Beryllium	7440-41-7	NA	1.22 mg/l TCLP
		Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Mercury	7439-97-6	NA	0.025 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Selenium	7782-49-2	NA	5.7 mg/l TCLP
		Silver	7440-22-4	NA	0.14 mg/l TCLP
		Thallium	7440-28-0	NA	0.20 mg/l TCLP
		Zinc	7440-66-6	NA	4.3 mg/l TCLP
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	NA
K069	Emission control dust/sludge from secondary lead smelting. – Calcium Sulfate (Low Lead) Subcategory	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
	Emission control dust/sludge from secondary lead smelting. – Non-Calcium Sulfate (High Lead) Subcategory	NA	NA	NA	RLEAD
K071	K071 (Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used) nonwastewaters that are residues from RMERC.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	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.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All K071 wastewaters.	Mercury	7439-97-6	0.15	NA
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Hexachloroethane	67-72-1	0.055	30
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,1,1-Trichloroethane	71-55-6	0.054	6.0
K083		Aniline	62-53-3	0.81	14

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	Distillation bottoms from aniline production.	Benzene	71-43-2	0.14	10
		Cyclohexanone	108-94-1	0.36	NA
		Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
		Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
		Nitrobenzene	98-95-3	0.068	14
		Phenol	108-95-2	0.039	6.2
		Nickel	7440-02-0	3.98	11 mg/l TCLP
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.	Benzene	71-43-2	0.14	10
		Chlorobenzene	108-90-7	0.057	6.0
		m-Dichlorobenzene	541-73-1	0.036	6.0
		o-Dichlorobenzene	95-50-1	0.088	6.0
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Hexachlorobenzene	118-74-1	0.055	10
		Total PCBs (sum of all PCB isomers, or all Aroclors)	1336-36-3	0.10	10
		Pentachlorobenzene	608-93-5	0.055	10
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
K086	Solvent wastes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.	1,2,4-Trichlorobenzene	120-82-1	0.055	19
		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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K087	Decanter tank tar sludge from coking operations.	Acenaphthylene	208-96-8	0.059	3.4
		Benzene	71-43-2	0.14	10
		Chrysene	218-01-9	0.059	3.4
		Fluoranthene	206-44-0	0.068	3.4
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
		Naphthalene	91-20-3	0.059	5.6
		Phenanthrene	85-01-8	0.059	5.6
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Lead	7439-92-1	0.69	0.75 m/l TCLP
K088	Spent potliners from primary aluminum reduction.	Acenaphthalene	83-32-9	0.059	3.4
		Anthracene	120-12-7	0.059	3.4
		Benzo(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene	205-99-2	0.11	6.8
		Benzo(k)fluoranthene	207-08-9	0.11	6.8
		Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Fluoranthene	206-44-0	0.068	3.4
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
		Phenanthrene	85-01-8	0.059	5.6
		Pyrene	129-00-0	0.067	8.2
		Antimony	7440-36-0	1.9	1.15 mg/l TCLP
		Arsenic	7440-38-2	1.4	26.1 mg/l TCLP
		Barium	7440-39-3	1.2	21 m/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) ⁷	57-12-5	1.2	590
		Cyanide (Amenable) ⁷	57-12-5	0.86	30

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Fluoride	16984-48-8	35	NA
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	100-21-0	0.055	28
		Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	85-44-9	0.055	28
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.	Hexachloroethane	67-72-1	0.055	30
		Pentachloroethane	76-01-7	0.055	6.0
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
		Trichloroethylene	79-01-6	0.054	6.0
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	m-Dichlorobenzene	541-73-1	0.036	6.0
		Pentachloroethane	76-01-7	0.055	6.0
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	6.0
		Tetrachloroethylene	127-18-4	0.056	6.0
		1,2,4-Trichlorobenzene	120-82-1	0.055	19
		1,1,2-Trichloroethane	79-00-5	0.054	6.0
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	Trichloroethylene	79-01-6	0.054	6.0
		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
K098	Untreated process wastewater from the production of toxaphene.	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
		Toxaphene	8001-35-2	0.0095	2.6
K099	Untreated wastewater from the production of 2,4-D.	2,4-Dichlorophenoxyacetic acid	94-75-7	0.72	10
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		PeCDFs (All Pentachlorodibenzofurans)	NA	0.000063	0.001
		TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
		TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from	o-Nitroaniline	88-74-4	0.27	14
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Cadmium	7440-43-9	0.69	NA
		Lead	7439-92-1	0.69	NA
		Mercury	7439-97-6	0.15	NA

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	arsenic or organo-arsenic compounds.				
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	o-Nitrophenol	88-75-5	0.028	13
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Cadmium	7440-43-9	0.69	NA
		Lead	7439-92-1	0.69	NA
		Mercury	7439-97-6	0.15	NA
K103	Process residues from aniline extraction from the production of aniline.	Aniline	62-53-3	0.81	14
		Benzene	71-43-2	0.14	10
		2,4-Dinitrophenol	51-28-5	0.12	160
		Nitrobenzene	98-95-3	0.068	14
		Phenol	108-95-2	0.039	6.2
K104	Combined wastewater streams generated from nitrobenzene/aniline production.	Aniline	62-53-3	0.81	14
		Benzene	71-43-2	0.14	10
		2,4-Dinitrophenol	51-28-5	0.12	160
		Nitrobenzene	98-95-3	0.068	14
		Phenol	108-95-2	0.039	6.2
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	Cyanides (Total) ⁷	57-12-5	1.2	590
		Aniline	62-53-3	0.81	14
		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
K106	K106 (wastewater treatment sludge from the mercury cell process in chlorine production) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.	2,4,5-Trichlorophenol	95-95-4	0.18	7.4
		2,4,6-Trichlorophenol	88-06-2	0.035	7.4
		Mercury	7439-97-6	NA	RMERC
		Mercury	7439-97-6	NA	0.20 mg/l TCLP
		Mercury	7439-97-6	NA	0.025 mg/l TCLP
K107	All K106 wastewaters.	Mercury	7439-97-6	0.15	NA
		Mercury	7439-97-6	0.15	NA
		Mercury	7439-97-6	0.15	NA
		Mercury	7439-97-6	0.15	NA
K108	-Condensed column overheads from product separation and condensed	NA	NA	CMBST; or CHOXD fb	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.			CARBN; or BIODG fb CARBN	
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene	2,4-Dinitrotoluene	121-14-2	0.32	140
		2,6-Dinitrotoluene	606-20-2	0.55	28
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CMBST; or CHOXD fb CARBN; or BIODG fb CARBN	CMBST
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CARBN; OR CMBST	CMBST
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	NA	CARBN; or CMBST	CMBST
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	Nickel	7440-02-0	3.98	11 mg/l TCLP
		NA	NA	CARBN; or CMBST	CMBST
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	NA	NA	CARBN; or CMBST	CMBST
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15
		Chloroform	67-66-3	0.046	6.0
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
K118	Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15
		Chloroform	67-66-3	0.046	6.0
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	NA	NA	CMBST; or CHOXD fb (BIODG or CARBN)	CMBST
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	Methyl bromide (Bromomethane)	74-83-9	0.11	15
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	Methyl bromide (Bromomethane)	74-83-9	0.11	15
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	Methyl bromide (Bromomethane)	74-83-9	0.11	15
		Chloroform	67-66-3	0.046	6.0
		Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludge from coking operations).	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-2-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene	207-08-9	0.11	6.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k))	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
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Chrysene	218-01-9	0.059	3.4
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from 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
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Naphthalene	91-20-3	0.059	5.6
K147	Tar storage tank residues from coal tar refining.	Benzene	71-43-2	0.14	10
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.	Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
		Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
K149	Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. (This waste does not include still bottoms from the distillations of benzyl chloride.)	Chlorobenzene	108-90-7	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Chloromethane	74-87-3	0.19	30
		p-Dichlorobenzene	106-46-7	0.090	6.0
		Hexachlorobenzene	118-74-1	0.055	10
		Pentachlorobenzene	608-93-5	0.055	10
		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
		Toluene	108-88-3	0.080	10
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes,	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

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	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
		Benzene	71-43-2	0.14	10
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	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
		Acetonitrile	75-05-8	5.6	1.8
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes.	Acetophenone	98-86-2	0.010	9.7
		Aniline	62-53-3	0.81	14
		Benomyl ¹⁰	17804-35-2	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Benzene	71-43-2	0.14	10
		Carbaryl ¹⁰	63-25-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Carbenzadim ¹⁰	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Carbofuran ¹⁰	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Carbosulfan ¹⁰	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Chlorobenzene	108-90-7	0.507	6.0
		Chloroform	67-66-3	0.046	6.0
		o-Dichlorobenzene	95-50-1	0.088	6.0
		Methomyl ¹⁰	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Methylene chloride	75-09-2	0.089	30

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Methyl ethyl ketone	78-93-3	0.28	36
		Naphthalene	91-20-3	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyridine	110-86-1	0.014	16
		Toluene	108-88-3	0.080	10
		Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes.	Carbon tetrachloride	56-23-5	0.057	6.0
		Chloroform	67-66-3	0.046	6.0
		Chloromethane	74-87-3	0.19	30
		Methomyl ¹⁰	16752-77-5	0.028; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Methylene chloride	75-09-2	0.089	30
		Methyl ethyl ketone	78-93-3	0.28	36
		Pyridine	110-86-1	0.014	16
		Triethylamine	121-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes.				
		Benzene	71-43-2	0.14	10
		Carbenzadim ¹⁰	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Carbofuran ¹⁰	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
		Carbosulfan ¹⁰	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Chloroform	67-66-3	0.046	6.0
		Methylene chloride	75-09-2	0.089	30
K159	Organics from the treatment of thiocarbamate wastes.	Phenol	108-95-2	0.039	6.2
		Benzene	71-43-2	0.14	10
		Butylate ¹⁰	2008-41-5	0.042; or CMBST, CHOXD, BIODG or	1.4; or CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				CARBN	
		EPTC (Eptam) ¹⁰	759-94-4	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Molinate ¹⁰	2212-67-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Pebulate ¹⁰	1114-71-2	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
		Vernolate ¹⁰	1929-77-7	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
K161	Purification solids (including filtration, evaporation, and centrifugation solids), baghouse dust and floor sweepings from the production of dithiocarbamate acids and their salts.	Antimony	7440-36-0	1.9	1.15 mg/l TCLP
		Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
		Carbon disulfide	75-15-0	3.8	4.8 m/l TCLP
		Dithiocarbamates (total) ¹⁰	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Nickel	7440-02-0	3.98	11.0 mg/l TCLP
		Selenium	7782-49-2	0.82	5.7 mg/l TCLP
K169	Crude oil tank sediment from petroleum refining operations. (8/00)	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.
		Xylene(s) (Total)	1330-20-7	0.32	30.
K170	Clarified slurry oil sediment from petroleum refining operations. (8/00)	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

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WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		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.
		Xylene(s) (Total)	1330-20-7	0.32	30.
K171	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media.) (8/00)	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.
		Xylene(s) (Total)	1330-20-7	0.32	30.
		Arsenic	7740-38-2	1.4	5. mg/L TCLP
		Nickel	7440-02-0	3.98	11.0 mg/L TCLP
		Vanadium	7440-62-2	4.3	1.6 mg/L TCLP
		Reactive sulfides	NA	DEACT	DEACT
K172	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media.)	Benzene	71-43-2	0.14	10.
		Ethyl benzene	100-41-4	0.057	10.
		Toluene (Methyl Benzene)	108-88-3	0.080	10.
		Xylene(s) (Total)	1330-20-7	0.32	30.
		Antimony	7740-36-0	1.9	1.15 mg/L TCLP
		Arsenic	7740-38-2	1.4	5. mg/L TCLP
		Nickel	7440-02-0	3.98	11.0 mg/L TCLP
		Vanadium	7440-62-2	4.3	1.6 mg/L TCLP
		Reactive Sulfides	NA	DEACT	DEACT
K174	Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (6/02)	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 ¹¹	0.0025 or CMBST ¹¹
		1, 2, 3, 4, 6, 7, 8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST ¹¹	0.0025 or CMBST ¹¹
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST ¹¹	0.0025 or CMBST ¹¹
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3268-87-9	0.000063 or CMBST ¹¹	0.005 or CMBST ¹¹
		1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063 or CMBST ¹¹	0.005 or CMBST ¹¹

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035 or CMBST ¹¹	0.001 or CMBST ¹¹
		TCDDs (All tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		TCDFs (All tetrachlorodibenzofurans)	7440-36-0	1.4	5.0 mg/L TCLP
K175	Wastewater treatment sludge from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.(6/02)	Mercury ¹²	7438-97-6	NA	0.025 mg/L TCLP
		pH ¹²		NA pH<6.0	
		All K175 wastewaters	Mercury	7438-97-6	0.15
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide). (6/03)	Antimony	7440-36-0	1.9	1.15 mg/L TCLP
		Arsenic	7440-38-2	1.4	5.0 mg/L TCLP
		Cadmium	7440-43-9	0.69	0.11 mg/L TCLP
		Lead	7439-92-1	0.69	0.75 mg/L TCLP
		Mercury	7439-97-6	0.15	0.025 mg/L TCLP
K177	Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide). (6/03)	Antimony	7440-36-0	1.9	1.15 mg/L TCLP
		Arsenic	7440-38-2	1.4	5.0 mg/L TCLP
		Lead	7439-92-1	0.69	0.75 mg/L TCLP
K178	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process. (6/03)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-39-4	0.000035 or CMBST ¹¹	0.0025 or CMBST ¹¹
		1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	67562-39-4	0.000035 or CMBST ¹¹	0.0025 or CMBST ¹¹
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035 or CMBST ¹¹	0.0025 or CMBST ¹¹
		HxCDDs (All Hexachlorodibenzo-p-dioxins)	34465-46-8	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		HxCDFs (All Hexachlorodibenzofurans)	55684-94-1	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3268-87-9	0.000063 or CMBST ¹¹	0.005 or CMBST ¹¹
		1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063 or CMBST ¹¹	0.005 or CMBST ¹¹
		PeCDDs (All Pentachlorodibenzo-p-dioxins)	36088-22-9	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		PeCDFs (All Pentachlorodibenzofurans)	30402-15-4	0.000035 or CMBST ¹¹	0.001 or CMBST ¹¹
		TCDDs (All tetrachlorodibenzo-p-dioxins)	41903-57-5	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		TCDFs (All tetrachlorodibenzofurans)	55722-27-5	0.000063 or CMBST ¹¹	0.001 or CMBST ¹¹
		Thallium	7440-28-0	1.4	0.20 mg/L TCLP
K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in paragraph (c) of section 261.32 that are equal to or greater than the corresponding paragraph (c) levels, as determined on a calendar year basis.	Aniline	62-53-3	0.81	14
		o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
		4-Chloroaniline	106-47-8	0.46	16
		p-Cresidine	120-71-8	0.010	0.66
		2,4-Dimethylaniline (2,4-xylydine)	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	0.10	0.66
P001	Warfarin, & salts, when present at concentrations greater than 0.3%	Warfarin	81-81-2	(WETOX CHOXD) CARBN; or CMBST	CMBST
P002	1-Acetyl-2-thiourea	1-Acetyl-2-thiourea	591-08-2	(WETOX CHOXD) CARBN; or CMBST	CMBST
P003	Acrolein	Acrolein	107-02-8	0.29	CMBST
P004	Aldrin	Aldrin	309-00-2	0.021	0.066
P005	Allyl alcohol	Allyl alcohol	107-18-6	(WETOX CHOXD) CARBN; or CMBST	CMBST
P006	Aluminum phosphide	Aluminum phosphide	20859-73-8	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
P007	5-Aminomethyl 3-isoxazolol	5-Aminomethyl 3-isoxazolol	2763-96-4	(WETOX CHOXD) CARBN; or CMBST	CMBST
P008	4-Aminopyridine	4-Aminopyridine	504-24-5	(WETOX CHOXD) CARBN; or CMBST	CMBST
P009	Ammonium picrate	Ammonium picrate	131-74-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
P010	Arsenic acid	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
P011	Arsenic pentoxide	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
P012	Arsenic trioxide	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
P013	Barium cyanide	Barium	7440-39-3	NA	21 mg/l TCLP

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P014	Thiophenol (Benzene thiol)	Thiophenol (Benzene thiol)	108-98-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P015	Beryllium dust	Beryllium	7440-41-7	RMETI; or RTHRM	RMETL; or RTHRM
P016	Dichloromethyl ether (Bis(chloromethyl)ether)	Dichloromethyl ether	542-88-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P017	Bromoacetone	Bromoacetone	598-31-2	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P018	Brucine	Brucine	357-57-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P020	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
P021	Calcium cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P022	Carbon disulfide	Carbon disulfide	75-15-0	3.8	CMBST
		Carbon disulfide; alternate ⁶ standard for nonwastewaters only	75-15-0	NA	4.8 mg/l TCLP
P023	Chloroacetaldehyde	Chloroacetaldehyde	107-20-0	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P024	p-Chloroaniline	p-Chloroaniline	106-47-8	0.46	16
P026	1-(o-Chlorophenyl)thiourea	1-(o-Chlorophenyl)thiourea	5344-82-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P027	3-Chloropropionitrile	3-Chloropropionitrile	542-76-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P028	Benzyl chloride	Benzyl chloride	100-44-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P029	Copper cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P030	Cyanides (soluble salts and complexes)	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P031	Cyanogen	Cyanogen	460-19-5	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
P033	Cyanogen chloride	Cyanogen chloride	506-77-4	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
P034	2-Cyclohexyl-4,6-dinitrophenol	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P036	Dichlorophenylarsine	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
P037	Dieldrin	Dieldrin	60-57-1	0.017	0.13
P038	Diethylarsine	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
P039	Disulfoton	Disulfoton	298-04-4	0.017	6.2
P040	0,0-Diethyl O-pyrazinyl phosphorothioate	0,0-Diethyl O-pyrazinyl phosphorothioate	297-97-2	CARBN; or CMBST	CMBST
P041	Diethyl-p-nitrophenyl phosphate	Diethyl-p-nitrophenyl phosphate	311-45-5	CARBN; or CMBST	CMBST
P042	Epinephrine	Epinephrine	51-43-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P043	Diisopropylfluorophosphate (DFP)	Diisopropylfluorophosphate (DFP)	55-91-4	CARBN; or CMBST	CMBST
P044	Dimethoate	Dimethoate	60-51-5	CARBN; or CMBST	CMBST
P045	Thiofanox	Thiofanox	39196-18-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P046	alpha, alpha-Dimethylphenethylamine	alpha, alpha-Dimethylphenethylamine	122-09-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P047	4,6-Dinitro-o-cresol	4,6-Dinitro-o-cresol	543-52-1	0.28	160
	4,6-Dinitro-o-cresol salts	NA	NA	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P048	2,4-Dinitrophenol	2,4-Dinitrophenol	51-28-5	0.12	160
P049	Dithiobiuret	Dithiobiuret	541-53-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P050	Endosulfan	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
P051	Endrin	Endrin	72-20-8	0.0028	0.13
		Endrin aldehyde	7421-93-4	0.025	0.13
P054	Aziridine	Aziridine	151-56-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
P056	Fluorine	Fluoride (measured in wastewaters only)	16964-48-8	35	ADGAS fb NEUTR
P057	Fluoroacetamide	Fluoroacetamide	640-19-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P058	Fluoroacetic acid, sodium salt	Fluoroacetic acid, sodium salt	62-74-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P059	Heptachlor	Heptachlor	76-44-8	0.0012	0.066
		Heptachlor epoxide	1024-57-3	0.016	0.066
P060	Isodrin	Isodrin	465-73-6	0.021	0.066
P062	Hexaethyl tetraphosphate	Hexaethyl tetraphosphate	757-58-4	CARBN; or CMBST	CMBST
P063	Hydrogen cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P064	Isocyanic acid, ethyl ester	Isocyanic acid, ethyl ester	624-83-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P065	Mercury fulminate nonwastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC.	Mercury	7439-97-6	NA	IMERC
	Mercury fulminate nonwastewaters that are either incinerator residues or are residues from RMERC; and contain greater than or equal to 260 mg/kg total mercury.	Mercury	7439-97-6	NA	RMERC
	Mercury fulminate nonwastewaters that are residues from RMERC and contain less than 260 mg/kg total mercury.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	Mercury fulminate nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All mercury fulminate wastewaters.	Mercury	7439-97-6	0.15	NA
P066	Methomyl	Methomyl	16752-77-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P067	2-Methyl-aziridine	2-Methyl-aziridine	75-55-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P068	Methyl hydrazine	Methyl hydrazine	60-34-4	CHOXD; CHRED; CARBN;	CHOXD; CHRED; or CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				BIODG; or CMBST	
P069	2-Methylactonitrile	2-Methylactonitrile	75-86-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P070	Aldicarb	Aldicarb	116-06-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P071	Methyl parathion	Methyl parathion	298-00-0	0.014	4.6
P072	1-Naphthyl-2-thiourea	1-Naphthyl-2-thiourea	86-88-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P073	Nickel carbonyl	Nickel	7440-02-0	3.98	11 mg/l TCLP
P074	Nickel cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Nickel	7440-02-0	3.98	11 mg/l TCLP
P075	Nicotine and salts	Nicotine and salts	54-11-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P076	Nitric oxide	Nitric oxide	10102-43-9	ADGAS	ADGAS
P077	p-Nitroaniline	p-Nitroaniline	100-01-6	0.028	28
P078	Nitrogen dioxide	Nitrogen dioxide	10102-44-0	ADGAS	ADGAS
P081	Nitroglycerin	Nitroglycerin	55-63-0	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
P082	N-Nitrosodimethylamine	N-Nitrosodimethylamine	62-75-9	0.40	2.3
P084	N-Nitrosomethylvinylamine	N-Nitrosomethylvinylamine	4549-40-0	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P085	Octamethylpyrophosphoramid	Octamethylpyrophosphoramid e	152-16-9	CARBON; or CMBST	CMBST
P087	Osmium tetroxide	Osmium tetroxide	20816-12-0	RMETL; or RTHRM	RMETL; or RTHRM
P088	Endothall	Endothall	145-73-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P089	Parathion	Parathion	56-38-2	0.014	4.6
P092	Phenyl mercuric acetate nonwastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC.	Mercury	7439-97-6	NA	IMERC; or RMERC

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
	Phenyl mercuric acetate nonwastewaters that are either incinerator residues or are residues from RMERC; and still contain greater than or equal to 260 mg/kg total mercury.	Mercury	7439-97-6	NA	RMERC
	Phenyl mercuric acetate nonwastewaters that are residues from RMERC and contain less than 260 mg/kg total mercury.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	Phenyl mercuric acetate nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All phenyl mercuric acetate wastewaters.	Mercury	7439-97-6	0.15	NA
P093	Phenylthiourea	Phenylthiourea	103-85-5	(WETOX or CHOXD) fb or CARBN; CMBST	CMBST
P094	Phorate	Phorate	298-02-2	0.021	4.6
P095	Phosgene	Phosgene	75-44-5	(WETOX or CHOXD) fb or CARBN; CMBST	CMBST
P096	Phosphine	Phosphine	7803-51-2	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
P097	Famphur	Famphur	52-85-7	0.017	15
P098	Potassium cyanide.	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P099	Potassium silver cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Silver	7440-22-4	0.43	0.14 mg/l TCLP
P101	Ethyl cyanide (Propanenitrile)	Ethyl cyanide (Propanenitrile)	107-12-0	0.24	360
P102	Propargyl alcohol	Propargyl alcohol	107-19-7	(WETOX or CHOXD) fb or CARBN; CMBST	CMBST
P103	Selenourea	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
P104	Silver cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
		Silver	7440-22-4	0.43	0.14 mg/l TCLP
P105	Sodium azide	Sodium azide	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
P106	Sodium cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P108	Strychnine and salts	Strychnine and salts	57-24-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P109	Tetraethyldithiopyrophosphate	Tetraethyldithiopyrophosphate	3689-24-5	CARBON; or CMBST	CMBST
P110	Tetraethyl lead	Lead	7439-92-1	0.69	0.75 mg/l TCLP
P112	Tetranitromethane	Tetranitromethane	509-14-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
P113	Thallic oxide	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
P114	Thallium selenite	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
P115	Thallium (I) sulfate	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
P116	Thiosemicarbazide	Thiosemicarbazide	79-19-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P118	Trichloromethanethiol	Trichloromethanethiol	75-70-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
P119	Ammonium vanadate	Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
P120	Vanadium pentoxide	Vanadium (measured in wastewaters only)	7440-62-2	4.3	STABL
P121	Zinc cyanide	Cyanides (Total) ⁷	57-12-5	1.2	590
		Cyanides (Amenable) ⁷	57-12-5	0.86	30
P122	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10%	Zinc Phosphide	1314-84-7	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
P123	Toxaphene	Toxaphene	8001-35-2	0.0095	2.6
P127	Carbofuran ¹⁰	Carbofuran	1563-66-2	0.006; or CMBST, CHOXD, BIODG or CARBN	0.14; or CMBST
P128	Mexacarbate ¹⁰	Mexacarbate	315-18-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P185	Tirpate ¹⁰	Tirpate	26419-73-8	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
P188	Physostigmine salicylate ¹⁰	Physostigmine salicylate	57-64-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P189	Carbosulfan ¹⁰	Carbosulfan	55285-14-8	0.028; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P190	Metolcarb ¹⁰	Metolcarb	1129-41-5	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P191	Dimetilan ¹⁰	Dimetilan	644-64-4	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P192	Isolan ¹⁰	Isolan	119-38-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P194	Oxamyl	Oxamyl	23135-22-0	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
P196	Manganese dimethyldithiocarbamate ¹⁰	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
P197	Formparanate ¹⁰	Formparanate	17702-57-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P198	Formetanate hydrochloride ¹⁰	Formetanate hydrochloride	23422-53-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P199	Methiocarb ¹⁰	Methiocarb	2032-65-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
P201	Promecarb ¹⁰	Promecarb	2631-37-0	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P202	m-Cumenyl methylcarbamate ¹⁰	m-Cumenyl methylcarbamate	64-00-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P203	Aldicarb sulfone ¹⁰	Aldicarb sulfone	1646-88-4	0.056; or CMBST, CHOXD, BIODG or CARBN	0.28; or CMBST
P204	Physostigmine ¹⁰	Physostigmine	57-47-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
P205	Ziram ¹⁰	Dithiocarbamates (total)	NA	0.028; or CMBST, CHOXD, BIODG or CARBN	28; or CMBST
U001	Acetaldehyde	Acetaldehyde	75-07-0	(WETOX CHOXD) or fb or CARBN; CMBST	CMBST
U002	Acetone	Acetone	67-64-1	0.28	160
U003	Acetonitrile	Acetonitrile	75-05-8	5.6	CMBST
		Acetonitrile; alternate ⁶ standard for nonwastewaters only	75-05-8	NA	38
U004	Acetophenone	Acetophenone	98-86-2	0.010	9.7
U005	2-Acetylaminofluorene	2-Acetylaminofluorene	53-96-3	0.059	140
U006	Acetyl chloride	Acetyl Chloride	75-36-5	(WETOX CHOXD) or fb or CARBN; CMBST	CMBST
U007	Acrylamide	Acrylamide	79-06-1	(WETOX CHOXD) or fb or CARBN; CMBST	CMBST
U008	Acrylic acid	Acrylic acid	79-10-7	(WETOX CHOXD) or fb or CARBN; CMBST	CMBST
U009	Acrylonitrile	Acrylonitrile	107-13-1	0.24	84
U010	Mitomycin C	Mitomycin C	50-07-7	(WETOX CHOXD) or fb	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				CARBN; or CMBST	
U011	Amitrole	Amitrole	61-82-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U012	Aniline	Aniline	62-53-3	0.81	14
U014	Auramine	Auramine	492-80-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U015	Azaserine	Azaserine	115-02-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U016	Benz(c)acridine	Benz(c)acridine	225-51-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U017	Benzal chloride	Benzal chloride	98-87-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U018	Benz(a)anthracene	Benz(a)anthracene	56-55-3	0.059	3.4
U019	Benzene	Benzene	71-43-2	0.14	10
U020	Benzenesulfonyl chloride	Benzenesulfonyl chloride	98-09-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U021	Benidine	Benidine	92-87-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U022	Benzo(a)pyrene	Benzo(a)pyrene	50-32-8	0.061	3.4
U023	Benzotrichloride	Benzotrichloride	98-07-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED or CMBST
U024	bis(2-Chloroethoxy)methane	bis(2-Chloroethoxy)methane	111-91-1	0.036	7.2
U025	bis(2-Chloroethyl)ether	bis(2-Chloroethyl)ether	111-44-4	0.033	6.0
U026	Chlornaphazine	Chlornaphazine	494-03-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U027	bis(2-Chloroisopropyl)ether	bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
U028	bis(2-Ethylhexyl) phthalate	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
U029	Methyl bromide (Bromomethane)	Methyl bromide (Bromomethane)	74-83-9	0.11	15
U030	4-Bromophenyl phenyl ether	4-Bromophenyl phenyl ether	101-55-3	0.055	15
U031	n-Butyl alcohol	n-Butyl alcohol	71-36-3	5.6	2.6

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U032	Calcium chromate	Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
U033	Carbon oxyfluoride	Carbon oxyfluoride	353-50-4	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U034	Trichloroacetaldehyde (Chloral)	Trichloroacetaldehyde (Chloral)	75-87-6	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U035	Chlorambucil	Chlorambucil	305-03-3	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U036	Chlordane	Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26
U037	Chlorobenzene	Chlorobenzene	108-90-7	0.057	6.0
U038	Chlorobenzilate	Chlorobenzilate	510-15-6	0.10	CMBST
U039	p-Chloro-m-cresol	p-Chloro-m-cresol	59-50-7	0.018	14
U041	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U042	2-Chloroethyl vinyl ether	2-Chloroethyl vinyl ether	110-75-8	0.062	CMBST
U043	Vinyl chloride	Vinyl chloride	75-01-4	0.27	6.0
U044	Chloroform	Chloroform	67-66-3	0.046	6.0
U045	Chloromethane (Methyl chloride)	Chloromethane (Methyl chloride)	74-87-3	0.19	30
U046	Chloromethyl methyl ether	Chloromethyl methyl ether	107-30-2	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U047	2-Chloronaphthalene	2-Chloronaphthalene	91-58-7	0.055	5.6
U048	2-Chlorophenol	2-Chlorophenol	95-57-8	0.044	5.7
U049	4-Chloro-o-toluidine hydrochloride	4-Chloro-o-toluidine hydrochloride	3165-93-3	(WETOX or fb CHOXD) or CARBN; or CMBST	CMBST
U050	Chrysene	Chrysene	218-01-9	0.059	3.4
U051	Creosote	Naphthalene	91-20-3	0.059	5.6
		Pentachlorophenol	87-86-5	0.089	7.4
		Phenanthrene	85-01-8	0.059	5.6
		Pyrene	129-00-0	0.067	8.2
		Toluene	108-88-3	0.080	10
		Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
U052	Cresols (Cresylic acid)	o-Cresol	95-48-7	0.11	5.6
		m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
		p-Cresol (difficult to distinguish from m-cresol)	106-44-5	0.77	5.6

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
		Cresol-mixed isomers (Cresylic acid)(sum of o-, m-, and p-cresol concentrations)	1319-77-3	0.88	11.2
U053	Crotonaldehyde	Crotonaldehyde	4170-30-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U055	Cumene	Cumene	98-82-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U056	Cyclohexane	Cyclohexane	110-82-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U057	Cyclohexanone	Cyclohexanone	108-94-1	0.36	CMBST
		Cyclohexanone; alternate ⁶ standard for nonwastewaters only	108-94-1	NA	0.75 mg/l TCLP
U058	Cyclophosphamide	Cyclophosphamide	50-18-0	CARBN; or CMBST	CMBST
U059	Daunomycin	Daunomycin	20830-81-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U060	DDD	o,p'-DDD	53-19-0	0.023	0.087
		p,p'-DDD	72-54-8	0.023	0.087
U061	DDT	o-p'-DDT	789-02-6	0.0039	0.087
		p,p'-DDT	50-29-3	0.0039	0.087
		o,p'-DDD	53-19-0	0.023	0.087
		p,p'-DDD	72-54-8	0.023	0.087
		o,p'-DDE	3424-82-6	0.031	0.087
		p,p'-DDE	72-55-9	0.031	0.087
U062	Diallate	Diallate	2303-16-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U063	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene	53-70-3	0.055	8.2
U064	Dibenz(a,i)pyrene	Dibenz(a,i)pyrene	189-55-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U066	1,2-Dibromo-3-chloropropane	1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
U067	Ethylene dibromide (1,2-Dibromoethane)	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
U068	Dibromomethane	Dibromomethane	74-95-3	0.11	15
U069	Di-n-butyl phthalate	Di-n-butyl phthalate	84-74-2	0.057	28
U070	o-Dichlorobenzene	o-Dichlorobenzene	95-50-1	0.088	6.0
U071	m-Dichlorobenzene	m-Dichlorobenzene	541-73-1	0.036	6.0
U072	p-Dichlorobenzene	p-Dichlorobenzene	106-46-7	0.090	6.0
U073	3,3'-Dichlorobenzidine	3,3'-Dichlorobenzidine	91-94-1	(WETOX CHOXD) or fb	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				CARB; or CMBST	
U074	1,4-Dichloro-2-butene	cis-1,4-Dichloro-2-butene	1476-11-5	(WETOX CHOXD) CARB; or CMBST	CMBST
		trans-1,4-Dichloro-2-butene	764-41-0	(WETOX CHOXD) CARB; or CMBST	CMBST
U075	Dichlorodifluoromethane	Dichlorodifluoromethane	75-71-8	0.23	7.2
U076	1,1-Dichloroethane	1,1-Dichloroethane	75-34-3	0.059	6.0
U077	1,2-Dichloroethane	1,2-Dichloroethane	107-06-2	0.21	6.0
U078	1,1-Dichloroethylene	1,1-Dichloroethylene	75-35-4	0.025	6.0
U079	1,2-Dichloroethylene	trans-1,2-Dichloroethylene	156-60-5	0.054	30
U080	Methylene chloride	Methylene chloride	75-09-2	0.089	30
U081	2,4-Dichlorophenol	2,4-Dichlorophenol	120-83-2	0.044	14
U082	2,6-Dichlorophenol	2,6-Dichlorophenol	87-65-0	0.044	14
U083	1,2-Dichloropropane	1,2-Dichloropropane	78-87-5	0.85	18
U084	1,3-Dichloropropylene	cis-1,3-Dichloropropylene	10061-01-5	0.036	18
		trans-1,3-Dichloropropylene	10061-02-6	0.036	18
U085	1,2:3,4-Diepoxybutane	1,2:3,4-Diepoxybutane	1464-53-5	(WETOX CHOXD) CARB; or CMBST	CMBST
U086	N,N'-Diethylhydrazine	N,N'-Diethylhydrazine	1615-80-1	CHOXD; CHRED; CARB; or BIODG; CMBST	CHOXD; CHRED; or CMBST
U087	O,O-Diethyl S-methyldithiophosphate	O,O-Diethyl S-methyldithiophosphate	3288-58-2	CARB; or CMBST	CMBST
U088	Diethyl phthalate	Diethyl phthalate	84-66-2	0.20	28
U089	Diethyl stilbestrol	Diethyl stilbestrol	56-53-1	(WETOX CHOXD) CARB; or CMBST	CMBST
U090	Dihydrosafrole	Dihydrosafrole	94-58-6	(WETOX CHOXD) CARB; or CMBST	CMBST
U091	3,3'-Dimethoxybenzidine	3,3'-Dimethoxybenzidine	119-90-4	(WETOX CHOXD) CARB; or CMBST	CMBST
U092	Dimethylamine	Dimethylamine	124-40-3	(WETOX CHOXD) CARB; or CMBST	CMBST
U093	p-Dimethylaminoazobenzene	p-Dimethylaminoazobenzene	60-11-7	0.13	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U094	7,12-Dimethylbenz(a)anthracene	7,12-Dimethylbenz(a)anthracene	57-97-6	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U095	3,3'-Dimethylbenzidine	3,3'-Dimethylbenzidine	119-93-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U096	alpha, alpha-Dimethyl benzyl hydroperoxide	alpha, alpha-Dimethyl benzyl hydroperoxide	119-93-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U097	Dimethylcarbamoyl chloride	Dimethylcarbamoyl chloride	79-44-7	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U098	1,1-Dimethylhydrazine	1,1-Dimethylhydrazine	57-14-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U099	1,2-Dimethylhydrazine	1,2-Dimethylhydrazine	540-73-8	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U101	2,4-Dimethylphenol	2,4-Dimethylphenol	105-67-9	0.036	14
U102	Dimethyl phthalate	Dimethyl phthalate	131-11-3	0.047	28
U103	Dimethyl sulfate	Dimethyl sulfate	77-78-1	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U105	2,4-Dinitrotoluene	2,4-Dinitrotoluene	121-14-2	0.32	140
U106	2,6-Dinitrotoluene	2,6-Dinitrotoluene	606-20-2	0.55	28
U107	Di-n-octyl phthalate	Di-n-octyl phthalate	117-84-0	0.017	28
U108	1,4-Dioxane	1,4-Dioxane	123-91-1	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
		1,4-Dioxane; alternate ⁶	123-91-1	12.0	170
U109	1,2-Diphenylhydrazine	1,2-Diphenylhydrazine	122-66-7	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
		1,2-Diphenylhydrazine; alternate ⁶ standard for wastewaters only	122-66-7	0.087	NA
U110	Dipropylamine	Dipropylamine	142-84-7	(WETOX or CHOXD) fb	CMBST

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		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				CARBN; or CMBST	
U111	Di-n-propylnitrosamine	Di-n-propylnitrosamine	621-64-7	0.40	14
U112	Ethyl acetate	Ethyl acetate	141-78-6	0.34	33
U113	Ethyl acrylate	Ethyl acrylate	140-88-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U114	Ethylenebisdithiocarbamic acid salts and esters	Ethylenebisdithiocarbamic acid	111-54-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U115	Ethylene oxide	Ethylene oxide	75-21-8	(WETOX CHOXD) or fb CARBN; or CMBST	CHOXD; or CMBST
		Ethylene oxide; alternate ⁶ standard for wastewaters only	75-21-8	0.12	NA
U116	Ethylene thiourea	Ethylene thiourea	96-45-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U117	Ethyl ether	Ethyl ether	60-29-7	0.12	160
U118	Ethyl methacrylate	Ethyl methacrylate	97-63-2	0.14	160
U119	Ethyl methane sulfonate	Ethyl methane sulfonate	62-50-0	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U120	Fluoranthene	Fluoranthene	206-44-0	0.068	3.4
U121	Trichloromonofluoromethane	Trichloromonofluoromethane	75-69-4	0.020	30
U122	Formaldehyde	Formaldehyde	50-00-0	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U123	Formic acid	Formic acid	64-18-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U124	Furan	Furan	110-00-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U125	Furfural	Furfural	98-01-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U126	Glycidylaldehyde	Glycidylaldehyde	765-34-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U127	Hexachlorobenzene	Hexachlorobenzene	118-74-1	0.055	10

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U128	Hexachlorobutadiene	Hexachlorobutadiene	87-68-3	0.055	5.6
U129	Lindane	alpha-BHC	319-84-6	0.00014	0.066
		beta-BHC	319-85-7	0.00014	0.066
		delta-BHC	319-86-8	0.023	0.066
		gamma-BHC (Lindane)	58-89-9	0.0017	0.066
U130	Hexachlorocyclopentadiene	Hexachlorocyclopentadiene	77-47-4	0.057	2.4
U131	Hexachloroethane	Hexachloroethane	67-72-1	0.055	30
U132	Hexachlorophene	Hexachlorophene	70-30-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U133	Hydrazine	Hydrazine	302-01-2	CHOXD; CHRED; CARBN; BIODG; CMBST or	CHOXD; CHRED; or CMBST
U134	Hydrogen fluoride	Fluoride (measured in wastewaters only)	7664-39-3	35	ADGAS fb NEUTR; or NEUTR
U135	Hydrogen Sulfide	Hydrogen Sulfide	7783-06-4	CHOXD; CHRED, or CMBST	CHOXD; CHRED; or CMBST.
U136	Cacodylic acid	Arsenic	7440-38-2	1.4	5.0 mg/l TCLP
U137	Indeno(1,2,3-cd)pyrene	Indeno(1,2,3-cd)pyrene	193-39-5	0.0055	3.4
U138	Iodomethane	Iodomethane	74-88-4	0.19	65
U140	Isobutyl alcohol	Isobutyl alcohol	78-83-1	5.6	170
U141	Isosafrole	Isosafrole	120-58-1	0.081	2.6
U142	Kepone	Kepone	143-50-8	0.0011	0.13
U143	Lasiocarpine	Lasiocarpine	303-34-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U144	Lead acetate	Lead	7439-92-1	0.69	0.75 mg/l TCLP
U145	Lead phosphate	Lead	7439-92-1	0.69	0.75 mg/l TCLP
U146	Lead subacetate	Lead	7439-92-1	0.69	0.75 mg/l TCLP
U147	Maleic anhydride	Maleic anhydride	108-31-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U148	Maleic hydrazide	Maleic hydrazide	123-33-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U149	Malononitrile	Malononitrile	109-77-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U150	Melphalan	Melphalan	148-82-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U151	U151 (mercury) nonwastewaters that contain greater than or equal to 260 mg/kg total mercury.	Mercury	7439-97-6	NA	RMERC
	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are residues from RMERC only.	Mercury	7439-97-6	NA	0.20 mg/l TCLP
	U151 (mercury) nonwastewaters that contain less than 260 mg/kg total mercury and that are not residues from RMERC.	Mercury	7439-97-6	NA	0.025 mg/l TCLP
	All U151 (mercury) wastewaters.	Mercury	7439-97-6	0.15	NA
	Elemental Mercury Contaminated with Radioactive Materials	Mercury	7439-97-6	NA	AMLGM
U152	Methacrylonitrile	Methacrylonitrile	126-98-7	0.24	84
U153	Methanethiol	Methanethiol	74-93-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U154	Methanol	Methanol	67-56-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
		Methanol; alternate ⁶ set of standards for both wastewaters and nonwastewaters	67-56-1	5.6	0.75 mg/l TCLP
U155	Methapyrilene	Methapyrilene	91-80-5	0.081	1.5
U156	Methyl chlorocarbonate	Methyl chlorocarbonate	79-22-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U157	3-Methylcholanthrene	3-Methylcholanthrene	56-49-5	0.0055	15
U158	4,4'-Methylene bis(2-chloroaniline)	4,4'-Methylene bis(2-chloroaniline)	101-14-4	0.50	30
U159	Methyl ethyl ketone	Methyl ethyl ketone	78-93-3	0.28	36
U160	Methyl ethyl ketone peroxide	Methyl ethyl ketone peroxide	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or CMBST	CHOXD; CHRED; or CMBST
U161	Methyl isobutyl ketone	Methyl isobutyl ketone	108-10-1	0.14	33
U162	Methyl methacrylate	Methyl methacrylate	80-62-6	0.14	160
U163	N-Methyl N'-nitro N-nitrosoguanidine	N-Methyl N'-nitro N-nitrosoguanidine	70-25-7	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U164	Methylthiouracil	Methylthiouracil	56-04-2	(WETOX CHOXD) or fb	CMBST

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				CARB; or CMBST	
U165	Naphthalene	Naphthalene	91-20-3	0.059	5.6
U166	1,4-Naphthoquinone	1,4-Naphthoquinone	130-15-4	(WETOX CHOXD) CARB; or CMBST	CMBST
U167	1-Naphthylamine	1-Naphthylamine	134-32-7	(WETOX CHOXD) CARB; or CMBST	CMBST
U168	2-Naphthylamine	2-Naphthylamine	91-59-8	0.52	CMBST
U169	Nitrobenzene	Nitrobenzene	98-95-3	0.068	14
U170	p-Nitrophenol	p-Nitrophenol	100-02-7	0.12	29
U171	2-Nitropropane	2-Nitropropane	79-46-9	(WETOX CHOXD) CARB; or CMBST	CMBST
U172	N-Nitrosodi-n-butylamine	N-Nitrosodi-n-butylamine	924-16-3	0.40	17
U173	N-Nitrosodiethanolamine	N-Nitrosodiethanolamine	1116-54-7	(WETOX CHOXD) CARB; or CMBST	CMBST
U174	N-Nitrosodiethylamine	N-Nitrosodiethylamine	55-18-5	0.40	28
U176	N-Nitroso-N-ethylurea	N-Nitroso-N-ethylurea	759-73-9	(WETOX CHOXD) CARB; or CMBST	CMBST
U177	N-Nitroso-N-methylurea	N-Nitroso-N-methylurea	684-93-5	(WETOX CHOXD) CARB; or CMBST	CMBST
U178	N-Nitroso-N-methylurethane	N-Nitroso-N-methylurethane	615-53-2	(WETOX CHOXD) CARB; or CMBST	CMBST
U179	N-Nitrosopiperidine	N-Nitrosopiperidine	100-75-4	0.013	35
U180	N-Nitrosopyrrolidine	N-Nitrosopyrrolidine	930-55-2	0.013	35
U181	5-Nitro-o-toluidine	5-Nitro-o-toluidine	99-55-8	0.32	28
U182	Paraldehyde	Paraldehyde	123-63-7	(WETOX CHOXD) CARB; or CMBST	CMBST
U183	Pentachlorobenzene	Pentachlorobenzene	608-93-5	0.055	10
U184	Pentachloroethane	Pentachloroethane	76-01-7	(WETOX CHOXD) CARB; or CMBST	CMBST
		Pentachloroethane; alternate ⁶ standards for both wastewaters and nonwastewaters	76-01-7	0.055	6.0

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U185	Pentachloronitrobenzene	Pentachloronitrobenzene	82-68-8	0.055	4.8
U186	1,3-Pentadiene	1,3-Pentadiene	504-60-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U187	Phenacetin	Phenacetin	62-44-2	0.081	16
U188	Phenol	Phenol	108-95-2	0.039	6.2
U189	Phosphorus sulfide	Phosphorus sulfide	1314-80-3	CHOXD; CHRED; or CMBST	CHOXD; CHRED; or CMBST
U190	Phthalic anhydride (measured as Phthalic acid or Terephthalic acid)	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
U191	2-Picoline	2-Picoline	109-06-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U192	Pronamide	Pronamide	23950-58-5	0.093	1.5
U193	1,3-Propane sultone	1,3-Propane sultone	1120-71-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U194	n-Propylamine	n-Propylamine	107-10-8	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U196	Pyridine	Pyridine	110-86-1	0.014	16
U197	p-Benzoquinone	p-Benzoquinone	106-51-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U200	Reserpine	Reserpine	50-55-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U201	Resorcinol	Resorcinol	108-46-3	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U203	Safrole	Safrole	94-59-7	0.081	22
U204	Selenium dioxide	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
U205	Selenium sulfide	Selenium	7782-49-2	0.82	5.7 mg/l TCLP
U206	Streptozotocin	Streptozotocin	18883-66-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U207	1,2,4,5-Tetrachlorobenzene	1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
U208	1,1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
U209	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0
U210	Tetrachloroethylene	Tetrachloroethylene	127-18-4	0.056	6.0

268.40 – Treatment Standards for Hazardous Waste					
WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U211	Carbon tetrachloride	Carbon tetrachloride	56-23-5	0.057	6.0
U213	Tetrahydrofuran	Tetrahydrofuran	109-99-9	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U214	Thallium (I) acetate	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
U215	Thallium (I) carbonate	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
U216	Thallium (I) chloride	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
U217	Thallium (I) nitrate	Thallium (measured in wastewaters only)	7440-28-0	1.4	RTHRM; or STABL
U218	Thioacetamide	Thioacetamide	62-55-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U219	Thiourea	Thiourea	62-56-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U220	Toluene	Toluene	108-88-3	0.080	10
U221	Toluenediamine	Toluenediamine	25376-45-8	CARBN; or CMBST	CMBST
U222	o-Toluidine hydrochloride	o-Toluidine hydrochloride	636-21-5	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U223	Toluene diisocyanate	Toluene diisocyanate	26471-62-5	CARBN; or CMBST	CMBST
U225	Bromoform (Tribromomethane)	Bromoform (Tribromomethane)	75-25-2	0.63	15
U226	1,1,1-Trichloroethane	1,1,1-Trichloroethane	71-55-6	0.054	6.0
U227	1,1,2-Trichloroethane	1,1,2-Trichloroethane	79-00-5	0.054	6.0
U228	Trichloroethylene	Trichloroethylene	79-01-6	0.054	6.0
U234	1,3,5-Trinitrobenzene	1,3,5-Trinitrobenzene	99-35-4	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U235	tris-(2,3-Dibromopropyl)-phosphate	tris-(2,3-Dibromopropyl)-phosphate	126-72-7	0.11	0.10
U236	Trypan Blue	Trypan Blue	72-57-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U237	Uracil mustard	Uracil mustard	66-75-1	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST
U238	Urethane (Ethyl carbamate)	Urethane (Ethyl carbamate)	51-79-6	(WETOX CHOXD) or fb CARBN; or CMBST	CMBST

268.40 – Treatment Standards for Hazardous Waste

WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U239	Xylenes	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330-20-7	0.32	30
U240	2,4-D (2,4-Dichlorophenoxyacetic acid)	2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
	2,4-D (2,4-Dichlorophenoxyacetic acid) salts and esters		NA	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U243	Hexachloropropylene	Hexachloropropylene	1888-71-7	0.035	30
U244	Thiram	Thiram	137-26-8	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U246	Cyanogen bromide	Cyanogen bromide	506-68-3	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
U247	Methoxychlor	Methoxychlor	72-43-5	0.25	0.18
U248	Warfarin, & salts, when present at concentrations of 0.3% or less	Warfarin	81-81-2	(WETOX or CHOXD) fb CARBN; or CMBST	CMBST
U249	Zinc phosphide, Zn ₃ P ₂ , when present at concentrations of 10% or less	Zinc Phosphide	1314-84-7	CHOXD; WETOX; or CMBST	CHOXD; WETOX; or CMBST
U271	Benomyl ¹⁰	Benomyl	17804-35-2	0.056; or CMBST, CHOXD, BIODG CARBN	1.4; or CMBST
U278	Bendiocarb ¹⁰	Bendiocarb	22781-23-3	0.056; or CMBST, CHOXD, BIODG CARBN	1.4; or CMBST
U279	Carbaryl ¹⁰	Carbaryl	63-25-2	0.006; or CMBST, CHOXD, BIODG CARBN	0.14; or CMBST
U280	Barban ¹⁰	Barban	101-27-9	0.056; or CMBST, CHOXD, BIODG CARBN	1.4; or CMBST
U328	o-Toluidine	o-Toluidine	95-53-4	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN.	CMBST

268.40 – Treatment Standards for Hazardous Waste					
WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
U353	p-Toluidine	p-Toluidine	106-49-0	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
U359	2-Ethoxyethanol	2-Ethoxyethanol	110-80-5	CMBST; or CHOXD fb (BIODG or CARBN); or BIODG fb CARBN	CMBST
U364	Bendiocarb phenol ¹⁰	Bendiocarb phenol	22961-82-6	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U367	Carbofuran phenol ¹⁰	Carbofuran phenol	1563-38-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U372	Carbendazim ¹⁰	Carbendazim	10605-21-7	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U373	Propham ¹⁰	Propham	122-42-9	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U387	Prosulfocarb ¹⁰	Prosulfocarb	52888-80-9	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U389	Triallate ¹⁰	Triallate	2303-17-5	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U394	A2213 ¹⁰	A2213	30558-43-1	0.042; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U395	Diethylene glycol, dicarbamate ¹⁰	Diethylene glycol, dicarbamate	5952-26-1	0.056; or CMBST, CHOXD,	1.4; or CMBST

268.40 – Treatment Standards for Hazardous Waste					
WASTE CODE	Waste Description And Treatment/Regulatory Subcategory ¹ (11/99, 8/00, 6/04, 2/07) NOTE: fb means followed by	Regulated hazardous constituent NOTE: NA means not applicable		Waste waters	Non waste waters
		Common Name	CAS ² Number	Concentration ⁵ in mg/l; or Technology Code ⁴	Concentration ⁵ in mg/kg unless noted as mg/l TCLP or Technology Code ⁴
				BIODG or CARBN	
U404	Triethylamine ¹⁰	Triethylamine	101-44-8	0.081; or CMBST, CHOXD, BIODG or CARBN	1.5; or CMBST
U409	Thiophanate-methyl ¹⁰	Thiophanate-methyl	23564-05-8	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U410	Thiodicarb ¹⁰	Thiodicarb	59669-26-0	0.019; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST
U411	Propoxur ¹⁰	Propoxur	114-26-1	0.056; or CMBST, CHOXD, BIODG or CARBN	1.4; or CMBST

Footnotes to Treatment Standard Table 268.40

1 The waste descriptions provided in this table do not replace waste descriptions in 261. Descriptions of Treatment /Regulatory Subcategories are provided, as needed, to distinguish between applicability of different standards.

2 CAS means Chemical Abstract Services. When the waste code and/or regulated constituents are described as a combination of a chemical with its salts and/or esters, the CAS number is given for the parent compound only.

3 Concentration standards for wastewaters are expressed in mg/l and are based on analysis of composite samples.

4 All treatment standards expressed as a Technology Code or combination of Technology Codes are explained in detail in 268.42 Table 1 – Technology Codes and Descriptions of Technology-Based Standards.

5 Except for Metals (EP or TCLP) and Cyanides (Total and Amenable) the nonwastewater treatment standards expressed as a concentration were established, in part, based upon incineration in units operated in accordance with the technical requirements of Part 264 Subpart O or Part 265 Subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatment standards according to provisions in 268.40(d). All concentration standards for nonwastewaters are based on analysis of grab samples.

6 Where an alternate treatment standard or set of alternate standards has been indicated, a facility may comply with this alternate standard, but only for the Treatment/Regulatory Subcategory or physical form (i.e., wastewater and/or nonwastewater) specified for that alternate standard.

7 Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 9010C or 9012B, found in “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA

Publication SW-846, as incorporated by reference in 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes. (2/07)

8 These wastes, when rendered nonhazardous and then subsequently managed in CWA, or CWA-equivalent systems, are not subject to treatment standards. (See 268.1(c)(3) and (4)), (See R.61-87.11.D.2).

9 [Reserved 8/00]

10 The treatment standard for this waste may be satisfied by either meeting the constituent concentrations in this table or by treating the waste by the specified technologies: combustion, as defined by the technology code CMBST at 268.42 Table 1 of this Part, for nonwastewaters; and, biodegradation as defined by the technology code BIODG, carbon adsorption as defined by the technology code CARBN, chemical oxidation as defined by the technology code CHOXD, or combustion as defined as technology code CMBST at 268.42 Table 1 of this Part, for wastewaters. (8/00)

11 For these wastes, the definition of CMBST is limited to: (1) combustion units operating under 266, (2) combustion units permitted under Part 264, Subpart O, or (3) combustion units operating under 265, Subpart O, which have obtained a determination of equivalent treatment under 268.42(b). [Note: NA means not applicable]

~~Note: The treatment standards that heretofore appeared in tables in 268.41, 268.42, and 268.43 of this part have been consolidated into the table “Treatment Standards for Hazardous Wastes.” (9/01)~~

12 Disposal of K175 wastes that have complied with all applicable 268.40 treatment standards must also be microencapsulated in accordance with 268.45 Table 1 unless the waste is placed in:

(1) A Subtitle C monofill containing only K175 wastes that meet all applicable 268.40 treatment standards; or

(2) A dedicated Subtitle C landfill cell in which all other wastes being co-disposed are at pH 6.0.

Note: The treatment standards that heretofore appeared in tables in 268.41, 268.42, and 268.43 of this part have been consolidated into the table “Treatment Standards for Hazardous Wastes.”

Revise 268.50(a) to read:

(a) Except as provided for in this section, the storage of hazardous wastes restricted from land disposal under ~~Subpart C of RCRA 3004~~ of this part is prohibited, unless the following conditions are met: ~~(amended 11/90)~~

Revise 270.1(a)(3) to read:

(3) Technical regulations. The RCRA permit program has separate additional regulations that contain technical requirements. These separate regulations are used by permit issuing authorities to determine what requirements must be placed in permits if they are issued. These separate regulations are located in R.61-79.264, 266, ~~267~~, and 268.

Revise 270.6(a) to read:

(a) When used in part 270 of ~~these Regulations~~ this chapter, the following publications are incorporated by reference. ~~These~~ incorporations by reference were approved by the Director of the Federal Register pursuant to 5 U.S.C. 552(a) and 1 CFR part 51. These materials are incorporated as they exist on the date of approval and a notice of any change in these materials will be published in the Federal Register. Copies may be inspected at the Library, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., (3403T), Washington, DC 20460, libraryhq@epa.gov; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Revise 270.6(b) to read:

(b) The following materials are available for purchase from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4600 or (800) 553-6847; or for purchase from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, (202) 512-1800.

Revise 270.14(b)(11)(iv)(C)(2) to read:

(2) A description of the location(s) to which the waste will be moved and demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under R.61-79.270, ~~R.61-79.271~~, R.61-79.124, and R.61-79.264 through R.61-79.266.

Revise 270.19(e) to read:

(e) When an owner or operator of a hazardous waste incineration unit becomes subject to RCRA permit requirements after October 12, 2005, or when an owner or operator of an existing hazardous waste incineration unit demonstrates compliance with the air emission standards and limitations of ~~40 CFR part~~ section 63, Subpart EEE of this chapter, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance) under sections 63.1207(j) and 63.1210(bd) of this chapter documenting compliance with all applicable requirements of ~~Part 63, subpart EEE~~, the requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with sections 264.345(a) and 264.345(c) of this chapter if you elect to comply with section 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with sections 270.10(k), 270.10(l), 270.32(b)(2), and 270.32(b)(3).

Revise 270.22 introductory paragraph to read:

When an owner or operator of a cement or lightweight aggregate kiln, solid fuel boiler, liquid fuel boiler, or hydrochloric acid production furnace becomes subject to RCRA permit requirements after October 12, 2005, or when an owner or operator of an existing cement kiln, lightweight aggregate kiln, solid fuel boiler, liquid fuel boiler, or hydrochloric acid production furnace demonstrates compliance with the air emission standards and limitations in part 63, ~~Subpart EEE~~, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance) under sections 63.1207(j) and 63.1210(d) of this chapter documenting compliance with all applicable requirements of part 63, subpart EEE, of this chapter, the requirements of this section do not apply. The requirements of this section do apply, however, if the Department determines certain provisions are necessary to ensure compliance with sections 266.102(e)(1) and 266.102(e)(2)(iii) of this chapter if you elect to comply with section 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events or if you are an area source and elect to comply with the section 266.105, 266.106, and 266.107 standards and associated requirements for particulate matter, hydrogen chloride and chlorine gas, and non-mercury metals; or the Department determines certain provisions apply, on a case-by-case basis, for purposes of information collection in accordance with sections 270.10(k), 270.10(l), 270.32(b)(2), and 270.32(b)(3).

Revise 270.25(e)(3) to read:

(3) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of ~~ATPA-APTI~~ Course 415: Control of Gaseous Emissions (incorporated by reference as specified in 270.6) or other engineering texts acceptable to the Department that present basic control device information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii).

Revise 270.29 to read:

The Department may, pursuant to the procedures in part 124, deny the permit application either in its entirety or as to the active life of a hazardous waste management facility or unit only.

Revise 270.31(c) to read:

(c) Applicable reporting requirements based upon the impact of the regulated activity and as specified in R.61-79.264, 265, and 266, ~~and 267~~. Reporting shall be no less frequent than specified in the above regulation.

Revise 270.32(b)(3) to read:

(3) If, as the result of an assessment(s) or other information, the Department determines that conditions are necessary in addition to those required under 40 CFR parts 63, subpart EEE, R.61-79.264 or R.61-79.266 to ensure protection of human health and the environment, he or she shall include those terms and conditions in a RCRA permit for a hazardous waste combustion unit.

Revise 270.42(j)(1) to read:

(1) Facility owners or operators must have complied with the Notification of Intent to Comply (NIC) requirements of 40 CFR 63.1210 that ~~was~~were in effect prior to Oct 11, 2000 (see 40 CFR ~~part~~ 63.1200-63.1499 revised as of July 1, 2000), in order to request a permit modification under this section for the purpose of technology changes needed to meet the standards under 40 CFR 63.1203, 63.1204, and 63.1205.

Revise 270.62 introductory paragraph to read:

When an owner or operator of a hazardous waste incineration unit becomes subject to RCRA permit requirements after October 12, 2005, or when an owner or operator of an existing hazardous waste incineration unit demonstrates compliance with the air emission standards and limitations in 40 CFR part 63, Subpart EEE, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), under 63.1207(j) and 63.1210(d) documenting compliance with all applicable requirements of part 63 subpart EEE, the requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with 264.345(a) and 264.345(c) if you elect to comply with 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with 270.10(k), 270.10(l), 270.32(b)(2), and 270.32(b)(3).

Revise 270.65(a) to read:

(a) The Department ~~my~~ issue a research, development, and demonstration permit for any hazardous waste treatment facility which propose to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for such experimental activity have not been promulgated under R.61-79.264 or R.61-79.266. Any such permit will include such terms and conditions as will assure protection of human health and the environment. Such permits:

Revise 270.65(b) to read:

(b) For the purpose of expediting review and issuance of permits under this section, the Department may, consistent with the protection of human health and the environment, modify or waive permit application and permit issuance requirements in R.61-79.124 and R.61-79.270 except that there may be no modification or waiver of regulations regarding financial responsibility (including insurance) or of procedures regarding public participation.

Revise 273.4(b)(2) to read:

(2) Mercury-containing equipment that is not a hazardous waste. Mercury-containing equipment is is a hazardous waste if it exhibits one or more of the characteristics identified in part 261, subpart C or is listed in part 261, subpart D; and

Revise 273.13(c)(2) to read:

(iii) Ensures that a mercury clean-up system is readily available to immediately transfer any mercury resulting from spills or leaks from broken ampules from that containment device to a container that is subject to all applicable requirements of parts 260 through 2720;

(iv) Immediately transfers any mercury resulting from spills or leaks from broken ampules from the containment device to a container that is subject to all applicable requirements of parts 260 through 2720;

(iv) Immediately transfers any mercury resulting from spills or leaks from broken ampules from the containment device to a container that is subject to all applicable requirements of parts 260 through 2720;

Fiscal Impact Statement:

The amendments have no substantial fiscal or economic impact on the state or its political subdivisions. There is no anticipated additional cost by the Department or state government due to any requirements of this regulation.

Statement of Need and Reasonableness:

The following presents an analysis of the factors listed in 1976 Code Sections 1-23-115(C)(1)-(3) and (9)-(11):

DESCRIPTION OF REGULATION: 61-79, Hazardous Waste Management Regulations.

Purpose: The purpose of this amendment is to realize the benefits of and maintain state consistency with the EPA by adopting the final “Modernizing Ignitable Liquids Determinations” rule published in the Federal Register on July 7, 2020, at 85 FR 40594-40608.

Legal Authority: 1976 Code Sections 44-56-10 et seq.

Plan for Implementation: These amendments will take legal effect upon General Assembly approval and upon publication in the *South Carolina State Register*. Department personnel will then take appropriate steps to inform the regulated community of the new amendments. Additionally, a copy of the regulation will be posted on the Department’s website, accessible at www.scdhec.gov/regulations-table. Printed copies may also be requested, for a fee, from the Department’s Freedom of Information Office.

DETERMINATION OF NEED AND REASONABLENESS OF THE REGULATION BASED ON ALL FACTORS HEREIN AND EXPECTED BENEFITS:

The Department amends R.61-79 to adopt the final EPA “Modernizing Ignitable Liquids Determinations” rule published in the Federal Register on July 7, 2020, at 85 FR 40594-40608. The rule updates flash point test methods used to determine if a liquid waste is hazardous. It allows the use of non-mercury thermometers in approved analytical methods that currently require mercury thermometers. This rule also provides greater clarity to determinations of hazardous waste, provides more flexibility in testing requirements, and improves environmental compliance, thereby enhancing the protection of human health and the environment.

DETERMINATION OF COSTS AND BENEFITS:

There is no anticipated increased cost to the state or its political subdivisions resulting from these revisions. This final rule modifies Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846) test methods while also retaining the current procedures to provide entities increased flexibility. EPA analysis estimates that this rule will result in nationwide annualized cost savings of \$78,500 to \$477,000 to 235 commercial laboratories, and that human and environmental health will benefit from the reduced use of mercury thermometers (Federal Register, Vol 85, No. 130, page 40595).

UNCERTAINTIES OF ESTIMATES:

There are no uncertainties of estimates relative to the costs to the state or its political subdivisions.

EFFECT ON THE ENVIRONMENT AND PUBLIC HEALTH:

The revisions to R.61-79 enhance current protections of human and environmental health through implementation of updated testing methods for determining whether liquid waste is hazardous, reducing use of mercury thermometers, and a more flexible testing regime.

DETRIMENTAL EFFECT ON THE ENVIRONMENT AND PUBLIC HEALTH IF THE REGULATION IS NOT IMPLEMENTED:

If the regulation is not implemented, there will be detrimental effects on the environment and public health because South Carolina would not be implementing or realizing the benefits of the EPA’s “Modernizing Ignitable Liquids Determinations” rule, among them updated test methods for determining hazardous liquid wastes, reduced use of mercury thermometers, and more flexibility in testing requirements.

Statement of Rationale:

Here below is the Statement of Rationale pursuant to S.C. Code Section 1-23-110(A)(3)(h):

The Department amends R.61-79, Hazardous Waste Management Regulations, to adopt the EPA’s final “Modernizing Ignitable Liquids Determinations” rule published in the Federal Register on July 7, 2020, at 85 FR 40594-40608, and correct typographical errors, citation errors, and other errors and omissions. The EPA has given authorized states, including South Carolina, the discretion to adopt this rule as it will make existing standards neither more nor less stringent than current requirements. This rule updates test methods for determining liquid hazardous waste, allows for the use of non-mercury thermometers in several methods that previously required mercury thermometers, and provides more flexibility in testing requirements. Adoption of this rule increases flexibility for the regulated community and thereby enhances the protection of human health and the environment.