

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 208

Methods Innovation Rule and SW-846 Final Update IIIB

70 FR 34538-34592

June 14, 2005

As amended August 1, 2005; 70 FR 44150-44151

(RCRA Cluster XV, HSWA/Non-HSWA)

Name of State: Arkansas
 State Statutory Authority: Arkansas Hazardous Waste Management Act (Act 406 of 1979, as amended, codified at Arkansas Code of 1987, Annotated, §§ 8-7-201 thru 8-7-226). *See Arkansas RCRA Statutory Checklist, dated July 21, 2006.*
 Title of Regulations: APC&EC Regulation No. 23 (Hazardous Waste Management) Effective Date: May 26, 2008
 Date Checklist Completed: May 23, 2008

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIVALENT	LESS STRINGENT	MORE STRINGENT	BROADER IN SCOPE
PART 260 — HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL						
SUBPART B — DEFINITIONS						

H REFERENCES

1 completely revise section	260.11	260.11	X			
Incorporation by reference of publications.	260.11(a)	260.11(a)	X			
Materials available from American Society for Testing and Materials.	260.11(b) introductory paragraph	260.11(b) introductory paragraph	X			
ASTM D-93-79 or D-93-80, "Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester," IBR approved for § 261.21.	260.11(b)(1)	260.11(b)(1)	X			
ASTM D-1946-82, "Standard Method for Analysis of Reformed Gas by Gas Chromatography," IBR approved for §§ 264.1033, 265.1033.	260.11(b)(2)	260.11(b)(2)	X			
ASTM D 2267-88, "Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography," IBR approved for § 264.1063.	260.11(b)(3)	260.11(b)(3)	X			

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
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ASTM D 2382-83, "Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method)," IBR approved for §§ 264.1033, 265.1033.	260.11(b)(4)	260.11(b)(4)	X			
ASTM D 2879-92, "Standard Test Method for Vapor Pressure—Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope," IBR approved for § 265.1084.	260.11(b)(5)	260.11(b)(5)	X			
ASTM D-3278-78, "Standard Test Methods for Flash Point for Liquids by Setaflash Closed Tester," IBR approved for § 261.21(a).	260.11(b)(6)	260.11(b)(6)	X			
ASTM E 168-88, "Standard Practices for General Techniques of Infrared Quantitative Analysis," IBR approved for § 264.1063.	260.11(b)(7)	260.11(b)(7)	X			
ASTM E 169-87, "Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis," IBR approved for § 264.1063.	260.11(b)(8)	260.11(b)(8)	X			
ASTM E 260-85, "Standard Practice for Packed Column Gas Chromatography," IBR approved for § 264.1063.	260.11(b)(9)	260.11(b)(9)	X			
ASTM E 926-88, "Standard Test Methods for Preparing Refuse-Derived Fuel (RDF) Samples for Analyses of Metals," Test Method C—Bomb, Acid Digestion Method.	260.11(b)(10)	260.11(b)(10)	X			
Materials available from National Technical Information Service.	260.11(c) introductory paragraph	260.11(c) introductory paragraph	X			
"APTI Course 415: Control of Gaseous Emissions," EPA Publication EPA-450/2-81-005, December 1981, IBR approved for §§ 264.1035, 265.1035, 270.24, 270.25.	260.11(c)(1)	260.11(c)(1)	X			

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RCRA REVISION CHECKLIST 208: Methods Innovation Rule and SW-846
Final Update IIIB (cont'd)

SPA 27

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
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, PB99-121949, IBR approved for part 261, appendix IX.	260.11(c)(2)	260.11(c)(2)	X			
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods; description of suffixes.	260.11(c)(3)	260.11(c)(3)	X			
Method 0010, dated September 1986 and in the Basic Manual, IBR approved for part 261, appendix IX.	260.11(c)(3)(i)	260.11(c)(3)(i)	X			
Method 0020, dated September 1986 and in the Basic Manual, IBR approved for part 261, appendix IX.	260.11(c)(3)(ii)	260.11(c)(3)(ii)	X			
Method 0030, dated September 1986 and in the Basic Manual, IBR approved for part 261, appendix IX.	260.11(c)(3)(iii)	260.11(c)(3)(iii)	X			
Method 1320, dated September 1986 and in the Basic Manual, IBR approved for part 261, appendix IX.	260.11(c)(3)(iv)	260.11(c)(3)(iv)	X			
Method 1311, dated September 1992 and in Update I, IBR approved for part 261, appendix IX, and §§ 261.24, 268.7, 268.40.	260.11(c)(3)(v)	260.11(c)(3)(v)	X			
Method 1330A, dated September 1992 and in Update I, IBR approved for part 261, appendix IX.	260.11(c)(3)(vi)	260.11(c)(3)(vi)	X			
Method 1312 dated September 1994 and in Update II, IBR approved for part 261, appendix IX.	260.11(c)(3)(vii)	260.11(c)(3)(vii)	X			
Method 0011, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, and part 266, appendix IX.	260.11(c)(3)(viii)	260.11(c)(3)(viii)	X			

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Final Update IIIB (cont'd)

SPA 27

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV-ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
Method 0023A, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, part 266, appendix IX, and § 266.104.	260.11(c)(3)(ix)	260.11(c)(3)(ix)	X			
Method 0031, dated December 1996 and in Update III, IBR approved for part 261, appendix IX.	260.11(c)(3)(x)	260.11(c)(3)(x)	X			
Method 0040, dated December 1996 and in Update III, IBR approved for part 261, appendix IX.	260.11(c)(3)(xi)	260.11(c)(3)(xi)	X			
Method 0050, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, part 266, appendix IX, and § 266.107.	260.11(c)(3)(xii)	260.11(c)(3)(xii)	X			
Method 0051, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, part 266, appendix IX, and § 266.107.	260.11(c)(3)(xiii)	260.11(c)(3)(xiii)	X			
Method 0060, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, § 266.106, and part 266, appendix IX.	260.11(c)(3)(xiv)	260.11(c)(3)(xiv)	X			
Method 0061, dated December 1996 and in Update III, IBR approved for part 261, appendix IX, § 266.106, and part 266, appendix IX.	260.11(c)(3)(xv)	260.11(c)(3)(xv)	X			
Method 9071B, dated April 1998 and in Update IIIA, IBR approved for part 261, appendix IX.	260.11(c)(3)(xvi)	260.11(c)(3)(xvi)	X			
Method 1010A, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX.	260.11(c)(3)(xvii)	260.11(c)(3)(xvii)	X			
Method 1020B, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX.	260.11(c)(3)(xviii)	260.11(c)(3)(xviii)	X			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
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Method 1110A, dated November 2004 and in Update IIIB, IBR approved for § 261.22 and part 261, appendix IX.	260.11(c)(3)(xix)	260.11(c)(3)(xix)	X			
1310B, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX.	260.11(c)(3)(xx)	260.11(c)(3)(xx)	X			
Method 9010C, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX and §§ 268.40, 268.44, 268.48.	260.11(c)(3)(xxi)	260.11(c)(3)(xxi)	X			
Method 9012B, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX and §§ 268.40, 268.44, 268.48.	260.11(c)(3)(xxii)	260.11(c)(3)(xxii)	X			
Method 9040C, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX and § 261.22.	260.11(c)(3)(xxiii)	260.11(c)(3)(xxiii)	X			
Method 9045D, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX.	260.11(c)(3)(xiv)	260.11(c)(3)(xiv)	X			
Method 9060A, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX, and §§ 264.1034, 264.1063, 265.1034, 265.1063.	260.11(c)(3)(xxv)	260.11(c)(3)(xxv)	X			
Method 9070A, dated November 2004 and in Update IIIB, IBR approved for part 261, appendix IX.	260.11(c)(3)(xxvi)	260.11(c)(3)(xxvi)	X			
Method 9095B, dated November 2004 and in Update IIIB, IBR approved, part 261, appendix IX, and §§ 264.190, 264.314, 265.190, 265.314, 265.1081, 268.32.	260.11(c)(3)(xxvii)	260.11(c)(3)(xxvii)	X			
Materials available from the National Fire Protection Association.	260.11(d) introductory paragraph	260.11(d) introductory paragraph	X			
“Flammable and Combustible Liquids Code” (1977 or 1981), IBR approved for §§ 264.198, 265.198.	260.11(d)(1)	260.11(d)(1)	X			
[Reserved]	260.11(d)(2)	260.11(d)(2)	X			

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Materials available from American Petroleum Institute.	260.11(e)	260.11(c)(3)(xix)	X			
API Publication 2517, Third Edition, February 1989, "Evaporative Loss from External Floating-Roof Tanks," IBR approved for § 265.1084.	260.11(e)(1)	260.11(c)(3)(xx)	X			
[Reserved]	260.11(e)(2)	260.11(c)(3)(xxi)	X			
Materials available from Environmental Protection Agency.	260.11(f)	260.11(c)(3)(xxii)	X			
"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 part 266, appendix IX.	260.11(f)(1)	260.11(c)(3)(xxiii)	X			
[Reserved]	260.11(f)(2)	260.11(c)(3)(xiv)	X			
Materials available from Organisation for Economic Co-operation and Development, Environment Directorate.	260.11(g)	260.11(c)(3)(xxv)	X			
OECD Green List of Wastes (revised May 1994), Amber List of Wastes and Red List of Wastes (both revised May 1993) as set forth in Appendix 3, Appendix 4 and Appendix 5, respectively, to the OECD Council Decision C(92)39/FINAL (Concerning the Control of Transfrontier Movements of Wastes Destined for Recovery Operations), IBR approved for 262.89 of this chapter.	260.11(g)(1)	260.11(c)(3)(xxvi)	X			
[Reserved]	260.11(g)(2)	260.11(c)(3)(xxvii)	X			

SUBPART C — RULEMAKING PETITIONS

H PETITIONS FOR EQUIVALENT TESTING OR ANALYTICAL METHODS.

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after “the method will be incorporated” insert “by reference in §260.11 and added to”; revise test method title in quotes to read “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,”; insert “EPA Publication” before “SW-846”	260.21(d)	260.21(d)(2)	X			
H PETITIONS TO AMEND PART 261 TO EXCLUDE A WASTE PRODUCED AT A PARTICULAR FACILITY.						
remove from the end of the provision the phrase “, using the appropriate test method...incorporated by reference in §206.11”	260.22(d)(1)(i)	260.11(e)(1)	X			
PART 261 — IDENTIFICATION AND LISTING OF HAZARDOUS WASTE						
SUBPART A—GENERAL						
H DEFINITION OF HAZARDOUS WASTE.						
revise “ <i>Rebuttable presumption for used oil</i> ”; remove from the parenthetical in the second sentence “, by using an analytical method from SW-846, Third Edition,”; remove third sentence	261.3(a)(2)(v) introductory paragraph	260.11(f)(2)	X			
SUBPART C—CHARACTERISTICS OF HAZARDOUS WASTE						
H CHARACTERISTIC OF IGNITABILITY						
remove dashes (-) after each occurrence of “Standard D”; remove from end of provision “, or as determined...set forth in §§260.20 and 260.21”	261.21(a)(1)	260.11(a)(1)	X			
H CHARACTERISTIC OF CORROSIVITY						
replace “Method 9040” with “Method 9040C”	261.22(a)(1)	N/A	X			
replace “the test method specified in NACE...as standardized” with “Method 1110A”; insert “and” before “as incorporated by reference”	261.22(a)(2)	N/A	X			
SUBPART D—LISTS OF HAZARDOUS WASTES						
H DELETION OF CERTAIN HAZARDOUS WASTE CODES FOLLOWING EQUIPMENT CLEANING AND REPLACEMENT.						
replace “in accordance with SW-846, Method 8290” with “by using an appropriate method”	261.35(b)(2)(iii)(A)	N/A	X			

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIVALENT	LESS STRINGENT	MORE STRINGENT	BROADER IN SCOPE
completely revise definition of "Not detected".	261.35(b)(2)(iii)(B)	N/A	X			
H COMPARABLE/SYNGAS FUEL EXCLUSION.						
remove second sentence starting with "The waste analysis plan shall be..."	261.38(c)(7) introductory paragraph	N/A	X			
APPENDIX I TO PART 261						
H REPRESENTATIVE SAMPLING METHODS						
in paragraph 4 remove all text after "COLIWASA" and insert a period (.) after "COLIWASA"; in paragraph 5 remove all text after "Pond Sampler" and insert a period (.) after "Pond Sampler"	Appendix I	N/A	X			
APPENDIX II TO PART 261						
H METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)						
remove and reserve	Appendix II	N/A	X			
APPENDIX III TO PART 261						
H CHEMICAL ANALYSIS TEST METHODS						
remove and reserve	Appendix III	N/A	X			
PART 264 – STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES						
SUBPART J—TANK SYSTEMS						
H APPLICABILITY						
in the second sentence replace "Method 9095" with "Method 9095B"	264.190(a)	264.190(a)	X			
SUBPART N —LANDFILLS						
H SPECIAL REQUIREMENTS FOR BULK AND CONTAINERIZED LIQUIDS.						
in the first sentence replace "Method 9095" with "Method 9095B"	264.314(c)	264.314(c)	X			
SUBPART AA—AIR EMISSION STANDARDS FOR PROCESS VENTS						
H TEST METHODS AND PROCEDURES.						
in the first sentence insert "or Method 25A" after "Method 18" and insert ", appendix A," after "40 CFR part 60"; add new second and third sentences addressing Method 25A.	264.1034(c)(1)(ii)	264.1034(c)(1)(ii)	X			
designate the existing first sentence as 40 CFR 264.1034(c)(1)(iv) introductory paragraph	264.1034(c)(1)(iv) introductory paragraph	264.1034(c)(1)(iv) introductory paragraph	X			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
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designate the existing equation as 40 CFR 264.1034(c)(1)(iv)(A) and insert "(A) For sources utilizing Method 18." before the equation; in the legend below the equation replace "Q _{sd} " with "Q _{2sd} " and remove "ppm ⁻¹ " from the end of "10 ⁻⁶ = Conversion from ppm"	264.1034(c)(1)(iv)(A)	264.1034(c)(1)(iv)(A)	X			
add new subparagraph addressing total organic mass flow rate equation for sources using Method 25A	264.1034(c)(1)(iv)(B)	264.1034(c)(1)(iv)(B)	X			
replace "Method 9060" with "Method 9060A"; remove "or 8260 of SW-846"; after "(incorporated by reference under 40 CFR §260.11)" insert "of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, or analyzed for its individual organic constituents."	264.1034(d)(1)(iii)	264.1034(d)(1)(iii)	X			
replace "the procedures in Method 8260...to resolve the dispute." with "the dispute may be resolved by using direct measurement as specified at paragraph (d)(1) of this section."	264.1034(f)	264.1034(f)	X			

SUBPART BB—AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS

H TEST METHODS AND PROCEDURES.

replace "Method 9060" with "Method 9060A"; remove "or 8260 of SW-846"; insert "of "Test Methods for Evaluating Solid Waste," EPA Publication SW-846, for computing total organic concentration of the sample, or analyzed for it individual organic constituents"; before "; or" at the end of the provision	264.1063(d)(2)	264.1063(d)(2)	X			
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SUBPART EE—HAZARDOUS WASTE MUNITIONS AND EXPLOSIVES STORAGE

APPENDIX IX TO PART 264

H GROUND-WATER MONITORING LIST

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIVALENT	LESS STRINGENT	MORE STRINGENT	BROADER IN SCOPE
see revised appendix as shown at 70 FR 34582-34585. Changes include removal of the fourth column "Suggested methods ⁵ " and the fifth column "PQL (µg/L) ⁶ " and removal of footnotes 1, 5, 6.	Appendix IX	Appendix IX	X			

PART 265—INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

SUBPART J—TANK SYSTEMS

H APPLICABILITY

in the second sentence replace "Method 9095" with "Method 9095B"	265.190(a)	265.190(a)	X			
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SUBPART N—LANDFILLS

H SPECIAL REQUIREMENTS FOR BULK AND CONTAINERIZED LIQUIDS.

in the first sentence replace "Method 9095" with "Method 9095B"	265.314(d)	265.314(d)	X			
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SUBPART AA—AIR EMISSION STANDARDS FOR PROCESS VENTS

H TEST METHODS AND PROCEDURES.

in the first sentence insert "or Method 25A" after "Method 18" and insert ", appendix A," after "40 CFR part 60"; add new second and third sentences addressing Method 25A.	265.1034(c)(1)(ii)	265.1034(c)(1)(ii)	X			
designate the existing first sentence as 40 CFR 265.1034(c)(1)(iv) introductory paragraph	265.1034(c)(1)(iv) introductory paragraph	265.1034(c)(1)(iv) introductory paragraph	X			
designate the existing equation as 40 CFR 265.1034(c)(1)(iv)(A) and insert "(A) For sources utilizing Method 18." before the equation; in the legend below the equation replace "Q _{sd} " with "Q _{2sd} " and remove "ppm ⁻¹ " from the end of "10 ⁻⁶ = Conversion from ppm"	265.1034(c)(1)(iv)(A)	265.1034(c)(1)(iv)(A)	X			
add new subparagraph addressing the total organic mass flow rate equation for sources using Method 25A	265.1034(c)(1)(iv)(B)	265.1034(c)(1)(iv)(B)	X			

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
replace "Method 9060" with "Method 9060A"; remove "or 8260 of SW-846"; after "(incorporated by reference under §260.11 of this chapter)" insert "of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, or analyzed for its individual organic constituents."	265.1034(d)(1)(iii)	265.1034(d)(1)(iii)	X			
replace "the procedures in Method 8260...to resolve the dispute." with "the dispute may be resolved by using direct measurement as specified at paragraph (d)(1) of this section."	265.1034(f)	265.1034(f)	X			

SUBPART BB—AIR EMISSION STANDARDS
FOR EQUIPMENT LEAKS

H TEST METHODS AND PROCEDURES.

replace "Method 9060" with "Method 9060A"; remove "or 8260 of SW-846"; insert "of this chapter" after "§260.11"; insert "Test Methods for Evaluating Solid Waste," EPA Publication SW-846, for computing total organic concentration of the sample, or analyzed for it individual organic constituents" before "; or" at the end of the provision	265.1063(d)(2)	265.1063(d)(2)	X			
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SUBPART CC—AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND
CONTAINERS

H DEFINITIONS

in the first sentence replace "Method 9095" with "Method 9095B" and replace "EPA publication No. SW-846... of this chapter" with "EPA Publication SW-846, as incorporated by reference in § 260.11."	265.1081 "Waste stabilization process"	265.1081 "Waste stabilization process"	X			
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H WASTE DETERMINATION PROCEDURES.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
in the last sentence replace “ an acceptable sampling plan...of this chapter), or” with “acceptable sample collection and handling procedures for a total volatile organic constituent concentration may be found”	265.1084(a)(3)(ii)(C)	265.1084(a)(3)(ii)(C)	X			
completely revise introductory paragraph; Each collected sample shall be prepared and analyzed in accordance with Method 25D in 40 CFR part 60, appendix A or using one or more methods. The owner or operator may adjust test data obtained by any appropriate method to discount any contribution to the total volatile organic concentration that is a result of including a compound with a Henry’s law constant value of less than 0.1 Y/X at 25 degrees Celsius. Other test methods may be used if they meet the requirements in paragraph (a)(3)(iii)(A) or (B) of this section.	265.1084(a)(3)(iii) introductory paragraph	265.1084(a)(3)(iii) introductory paragraph	X			
remove existing subparagraphs	265.1084(a)(3)(iii)(A) – (G)	265.1084(a)(3)(iii)(A) – (G)	X			
redesignate 40 CFR 265.1084(a)(3)(iii)(H) as (a)(3)(iii)(A); remove last sentence	265.1084(a)(3)(iii)(A)	265.1084(a)(3)(iii)(A)	X			
redesignate 40 CFR 265.1084(a)(3)(iii)(I) as (a)(3)(iii)(B)	265.1084(a)(3)(iii)(B)	265.1084(a)(3)(iii)(B)	X			
in the last sentence replace “ an acceptable sampling plan...of this chapter), or” with “acceptable sample collection and handling procedures for a total volatile organic constituent concentration may be found”	265.1084(b)(3)(ii)(C)	265.1084(b)(3)(ii)(C)	X			

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completely revise: Each collected sample shall be prepared and analyzed in accordance with Method 25D in 40 CFR part 60, appendix A for the total concentration of volatile organic constituents, or using one or more methods. The owner or operator may adjust test data obtained by any appropriate method to discount any contribution to the total volatile organic concentration that is a result of including a compound with a Henry's law constant value less than 0.1 Y/X at 25 degrees Celsius. Other test methods may be used if they meet the requirements in paragraph (a)(3)(iii)(A) or (B) of this section.	265.1084(b)(3)(iii) introductory paragraph	265.1084(b)(3)(iii) introductory paragraph	X			
remove existing subparagraphs	265.1084(b)(3)(iii)(A) – (G)	265.1084(b)(3)(iii)(A) – (G)	X			
redesignate 40 CFR 265.1084(a)(3)(iii)(H) as (a)(3)(iii)(A); remove last sentence	265.1084(b)(3)(iii)(A)	265.1084(b)(3)(iii)(A)	X			
redesignate 40 CFR 265.1084(a)(3)(iii)(I) as (a)(3)(iii)(B)	265.1084(b)(3)(iii)(B)	265.1084(b)(3)(iii)(B)	X			
in the last sentence replace “ an acceptable sampling plan...of this chapter), or” with “acceptable sample collection and handling procedures for a total volatile organic constituent concentration may be found”	265.1084(c)(3)(i)	265.1084(c)(3)(i)	X			

PART 266—STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTES AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES

SUBPART H—HAZARDOUS WASTE BURNED IN BOILERS AND INDUSTRIAL FURNACES

H APPLICABILITY

replace the end of the first sentence starting with “under procedures...” and the last sentence with “by using appropriate Methods”; retain “; and” at the end of the provision	266.100(d)(1)(ii)	266.100(d)(1)(ii)	X			
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US EPA ARCHIVE DOCUMENT

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV-ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
starting with “is burned for recovery...” replace all text to the end of the paragraph with “contains economically significant amounts of the metals and that the treatment recovers economically significant amounts of precious metal”; retain “; and” at the end of the provision.	266.100(g)(2)	266.100(g)(2)	X			
H PERMIT STANDARDS FOR BURNERS.						
in the second sentence, replace “by analytical procedures...of this chapter)” with “by using appropriate analytical procedures”; remove the third and fourth sentences addressing SW-846	266.102(b)(1)	266.102(b)(1)	X			
H STANDARDS TO CONTROL METALS EMISSIONS.						
replace “using analytical procedures...of this chapter.” with “by using appropriate analytical procedures.”	266.106(a)	266.106(a)	X			
H REGULATION OF RESIDUES						
remove the third sentence addressing the incorporation by reference of test methods at §260.11(a).	266.112(b)(1) introductory paragraph	266.112(b)(1) introductory paragraph	X			
2 in the first sentence, remove “(using analytical procedures prescribed in SW-846)” after “or the level of detection”; in the second sentence replace “(using analytical procedures contained in SW-846, or other appropriate methods)” with “(which must be determined by using appropriate analytical procedures)”; in the third sentence replace “paragraph” with “part” after the second occurrence of “appendix VII of this”	266.112(b)(2)(i)	266.112(b)(2)(i)	X			
insert “(b)(2)(i)” after “paragraph” in the heading to the Note.	266.112(b)(2)(i), Note	266.112(b)(2)(i), Note	X			

APPENDIX IX TO PART 266

METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS

H SECTION 1.0 INTRODUCTION

US EPA ARCHIVE DOCUMENT

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIVALENT	LESS STRINGENT	MORE STRINGENT	BROADER IN SCOPE
replace the “u” in “uith” with a “w” before “U.S. Environmental”; in the second sentence replace “Included” with “The methods” included”	Appendix IX, Section 1.0, Introductory paragraph	3(b)(2)	X			
redesignate Item 2 as part of Item 8.a.; redesignate Item 3 to Item 8 as Item 2 to Item 7	Appendix IX, Section 1.0, Item 2 to Item 7	3(b)(2)	X			
redesignate Item 2 as first part of Item 8a., change capitalization from title case to sentence case and remove “(S&A)” after “Sampling and analytical”; designate first paragraph of Item 9 as second part of Item 8a and revise as shown at 70 FR 34589.	Appendix IX, Section 1.0, Item 8a	3(b)(2)	X			
designate the second paragraph of Item 9 as Item 8b; in the first sentence replace “the S&A methods of section 3.0” with “the relevant sampling Methods 0011, 0023A, 0050, 0051, 0060, and 0061 of SW-846, incorporated by reference in § 260.11”; insert new second and third sentences addressing chloride and carbonyl compound determination; in the penultimate sentence remove “and the S&A methods” after “specifications”; in the last sentence remove “and methods” after “specifications” and “SW-846 or” before “40 CFR”	Appendix IX, Section 1.0, Item 8b	3(b)(2)	X			
H SECTION 3.0 SAMPLING AND ANALYTICAL METHODS						
remove “as incorporated by reference in 260.11 of this chapter” from the end of the sentence	Appendix IX, Section 3.0	3(b)(2)	X			
H SECTION 4.0 PROCEDURE FOR ESTIMATING THE TOXICITY EQUIVALENCY OF CHLORINATED DIBENZO-P-DIOXIN AND DIBENZOFURAN CONGENERS						
replace “Equivalence” with “Equivalency” and “Dibenco-p-Dioxin” with “Dibenzo-p-Dioxin”	Appendix IX, Section 4.0, Heading	3(b)(2)	X			

US EPA ARCHIVE DOCUMENT

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replace “the method given in section 3.4 of this document” with “whichever is the most recent version between of SW-846 Method 023A (incorporated by reference, in §260.11) as identified, or OAQPS Method 23 of appendix A to part 60.”	Appendix IX, Section 4.0, first paragraph	3(b)(2)	X			
no change although included in the Final Rule	Appendix IX, Section 4.0, footnote 1	3(b)(2)	X			

H SECTION 10.0 ALTERNATIVE METHODOLOGY FOR IMPLEMENTING METALS CONTROLS

remove all text after “representatively measured”	Appendix IX, Section 10.3(2)	3(b)(2)	X			
replace “the” after “follow” with “appropriate”; remove “described in SW-846” after “guidelines”	Appendix IX, Section 10.5(1), fifth bulleted paragraph	3(b)(2)	X			
insert “such as those” after “procedures”; remove “SW-846 and” after “described in”	Appendix IX, Section 10.5(2), second bulleted paragraph, fourth paragraph	3(b)(2)	X			
replace “SW-846” with “other appropriate methods” after “described in this method and in”	Appendix IX, Section 10.5(5), third bulleted paragraph	3(b)(2)	X			
replace “SW-846” with “appropriate” after “prepared according to”	Appendix IX, Section 10.5(5), fifth bulleted paragraph	3(b)(2)	X			
replace “the procedures described in SW-846” with “appropriate procedures”	Appendix IX, Section 10.6(1), fifth bulleted paragraph	3(b)(2)	X			
replace “SW-846” with “other appropriate procedures” after “described in this method and in”	Appendix IX, Section 10.6(5), third bulleted paragraph	3(b)(2)	X			
replace “SW-846” with “appropriate” after “prepared according to”	Appendix IX, Section 10.6(5), fourth bulleted paragraph	3(b)(2)	X			

PART 268—LAND DISPOSAL RESTRICTIONS

SUBPART D—TREATMENT STANDARDS

APPLICABILITY OF TREATMENT STANDARDS.

in the third sentence replace “Method 1310” with “Method 1310B”	268.40(b)	268.40(b)	X			
3 replace “Method 9010 or 9012” with “Method 9010C or 9012B”; remove the quotation (“) after the “s” in “Test Methods” and replace with (‘)	268.40/Table, Footnote 7	268.40/Table, Footnote 7	X			

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
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UNIVERSAL TREATMENT STANDARDS.						
replace "Method 9010 or 9012" with "Method 9010C or 9012B"	268.48/UTS table, Footnote 4	268.48/UTS table, Footnote 4	X			
APPENDIX IX TO PART 268						
EXTRACTION PROCEDURE (EP) TOXICITY TEST METHOD AND STRUCTURAL INTEGRITY TEST (METHOD 1310B)						
replace "Method 1310" with "Method 1310B"	Appendix IX	Appendix IX	X			
PART 270—EPA ADMINISTERED PERMIT PROGRAMS: THE HAZARDOUS WASTE PERMIT						
SUBPART B—PERMIT APPLICATION						
SPECIFIC PART B INFORMATION REQUIREMENTS FOR INCINERATORS.						
replace the last sentence with "The waste analysis must rely on appropriate analytical techniques."	270.19(c)(1)(iii)	270.19(c)(1)(iii)	X			
after "within the precision produced by", replace "the analytical methods...and §270.6" with "appropriate analytical methods"	270.19(c)(1)(iv)	270.19(c)(1)(iv)	X			
SPECIFIC PART B INFORMATION REQUIREMENTS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE.						
replace the last sentence with "The analysis must rely on appropriate analytical techniques."	270.22(a)(2)(ii)(B)	270.22(a)(2)(ii)(B)	X			
SUBPART F—SPECIAL FORMS OF PERMITS						
HAZARDOUS WASTE INCINERATOR PERMITS						
replace the last sentence with "The waste analysis must rely on appropriate analytical techniques."	270.62(b)(2)(i)(C)	270.62(b)(2)(i)(C)	X			
replace "the analytical methods...or their equivalent." with "appropriate analytical methods."	270.62(b)(2)(i)(D)	270.62(b)(2)(i)(D)	X			
PERMITS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE						
Replace the last sentence with "The waste analysis must be conducted in accordance with appropriate analytical techniques."	270.66(c)(2)(i)	270.66(c)(2)(i)	X			
replace "the analytical methods...or other equivalent." with "appropriate analytical methods."	270.66(c)(2)(ii)	270.66(c)(2)(ii)	X			
PART 279—STANDARDS FOR THE MANAGEMENT OF USED OIL						
SUBPART B—APPLICABILITY						
APPLICABILITY						

H

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
in the second sentence, remove “using an analytical method from SW-846, Edition III,” and replace “to show” with “showing”; remove the last sentence addressing the availability of SW-846.	279.10(b)(1)(ii) introductory paragraph	279.10(b)(1)(ii) introductory paragraph	X			
SUBPART E—STANDARDS FOR USED OIL TRANSPORTER AND TRANSFER FACILITIES						
H REBUTTABLE PRESUMPTION FOR USED OIL						
in the second sentence, remove “using an analytical method from SW-846, Edition III,” and replace “to show” with “showing”; remove the last sentence addressing the availability of SW-846.	279.44(c) introductory paragraph	279.44(c) introductory paragraph	X			
SUBPART F—STANDARDS FOR USED OIL PROCESSORS AND RE-REFINERS						
H REBUTTABLE PRESUMPTION FOR USED OIL						
in the second sentence, remove “using an analytical method from SW-846, Edition III,” and replace “to show” with “showing”; remove the last sentence addressing the availability of SW-846.	279.53(c) introductory paragraph	279.53(c) introductory paragraph	X			
SUBPART G—STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPECIFICATION USED OIL FOR ENERGY RECOVERY						
H REBUTTABLE PRESUMPTION FOR USED OIL						
in the second sentence, remove “using an analytical method from SW-846, Edition III,” and replace “to show” with “showing”; remove the last sentence addressing the availability of SW-846.	279.63(c) introductory paragraph	279.63(c) introductory paragraph	X			

H Optional provisions.

- 1 The June 14, 2005 final rule for Revision Checklist 208 completely revised the incorporation by reference of test methods at 40 CFR 260.11. While the same methods are being incorporated they are now organized according to the source of the materials under subparagraphs (b) through (g) (e.g., materials from ASTM are listed under 260.11(b) and its subparagraphs). 40 CFR 260.11(a) is dedicated to the incorporation by reference in 40 CFR and the availability of copies through the U.S. EPA and NARA.
- 2 There is a typographical in the June 14, 2005 Federal Register notice. In the third sentence of 40 CFR 266.112(b)(2)(i) (see 70 FR 34588), the phrase “appendix VII of this chapter” should be “appendix VII of this part” in order to correctly reference Appendix VII of part 266.
- 3 There appears to a typographical error in the June 14 Federal Register notice. In Footnote 7, of the table at 40 CFR 268.40 (see 70 FR 34589); there is an apostrophe after the “s” in “Test Methods” that should be removed.