

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 125

**Boilers and Industrial Furnaces;
Changes for Consistency with New Air Regulations
58 FR 38816-38884
July 20, 1993
(RCRA Cluster IV, HSWA/non-HSWA provisions)**

Notes: 1) The final rule addressed by this checklist was promulgated pursuant to the Clean Air Act, rather than the Resource Conservation and Recovery Act, and primarily amends regulations in 40 CFR Parts 51 and 52. However, this rule also makes conforming changes to 40 CFR Parts 260 and 266 to ensure that the guidelines for air quality modeling and screening for boilers and industrial furnaces burning hazardous waste are consistent with the guidelines in 40 CFR Part 51. Only the changes to 40 CFR Parts 260 and 266 are included in this checklist. These revisions are necessary. Therefore, this checklist has been developed to help States maintain consistency with the Federal regulations. Note that States do not have to adopt the changes to 40 CFR Parts 51 and 52 to make the Part 260 and 266 changes. Rather, States should reference Appendix W, Part 51 at 266.104(e)(3) and 266.106(h).

2) Note that EPA's Office of Solid Waste is treating the changes made by the Air rule to 40 CFR Parts 260 and 266 as HSWA provisions because they amend the BIF regulations promulgated under HSWA.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART B - DEFINITIONS

REFERENCES

revise reference to "U.S. EPA, Screening Procedures for Estimating the Air Quality Impact of Stationary Sources" to refer to the October 1992 version	260.11(a)	110	X			
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**RCRA REVISION CHECKLIST 125: Boilers and Industrial Furnaces;
Changes for Consistency with New Air Regulations (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
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						
STANDARDS TO CONTROL ORGANIC EMISSIONS						
change wording to refer to Appendix W, Part 51, methods rather than Appendix X, Part 266, methods; change wording to reflect updated 260.11(a) reference; remove "on-site" after "average" in last sentence	266.104(e)(3)	3009.E.3	X			
STANDARDS TO CONTROL METALS EMISSIONS						
change wording to refer to Appendix W, Part 51, methods rather than Appendix X, Part 266, methods; change wording to reflect updated 260.11(a) reference	266.106(h)	3013.H	X			
APPENDIX X TO PART 266						
GUIDELINE ON AIR QUALITY MODELS (REVISED)						
remove text; change title to "Appendix X--Removed"	266, Appendix X	Chapter 30, Appendix J	X			

RCRA REVISION CHECKLIST 126

Testing and Monitoring Activities

58 FR 46040-46051

August 31, 1993

as amended September 19, 1994, at 59 FR 47980-47982

(RCRA Cluster IV, HSWA/Non-HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART B - DEFINITIONS

REFERENCES

revise reference to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" to refer to third edition; add ASTM Method E926-88 to the end of the list of publications incorporated by reference; remove unnumbered paragraph and list of analytical testing methods; remove footnote 1 following the list of publications incorporated by reference	260.11(a)	110	X			
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SUBPART C - RULEMAKING PETITIONS

PETITIONS TO AMEND PART 261 TO EXCLUDE A WASTE PRODUCED AT A PARTICULAR FACILITY

add "of this chapter" after "part 261"; replace "appendix III" with reference to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods"	260.22(d)(1)(i)	105.M.3.a.i	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART C - CHARACTERISTICS OF HAZARDOUS WASTE

CHARACTERISTIC OF CORROSIVITY

remove text after "using" and replace with reference to Method 9040 in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"	261.22(a)(1)	4903.C.1	X			
after "Test Methods for", replace "the Evaluation of" with "Evaluating"; change "(incorporated by reference, see § 260.11)" to ", as incorporated by reference in 260.11 of this chapter."; remove the rest of the paragraph	261.22(a)(2)	4903.C.2	X			

RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
TOXICITY CHARACTERISTIC						
replace "test methods described in appendix II or equivalent methods approved by the Administrator under the procedures set forth in §§ 260.20 and 260.21" with reference to the TCLP in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods" as incorporated by reference at 260.11; replace "Appendix II" with "Method 1311"	261.24(a)	4903.E.1	X			
APPENDIX II TO PART 261						
METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)						
replace TCLP with note referencing the TCLP in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods"	Appendix II	Ch.49.App. B	X			
APPENDIX III TO PART 261						
CHEMICAL ANALYSIS TEST METHODS						
replace introductory paragraphs and tables 1, 2, and 3 with note referencing Chapter 2 of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods"	Appendix III	Ch.49.App A	X			

RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

APPENDIX X TO PART 261

METHOD OF ANALYSIS FOR CHLORINATED DIBENZO-P-DIOXINS AND -DIBENZOFURANS

remove	Appendix X	Ch.49.App C (removed)	X			
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PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

SUBPART J - TANK SYSTEMS

APPLICABILITY

replace "EPA" with "the following test must be used."; change "Wastes" to "Waste"; add comma after "Physical/Chemical Methods"; remove parentheses from "(EPA Publication No. SW-846)"; remove "No."; replace "must be used" with ", as incorporated by reference in § 260.11 of this chapter"	264.190(a)	1901.A	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

SUBPART N - LANDFILLS

SPECIAL REQUIREMENTS FOR BULK AND CONTAINERIZED LIQUIDS

change "Wastes" to "Waste"; change the period after "Physical/Chemical Methods" to a comma; remove brackets from "[EPA Publication No. SW-846]"; remove "No."; add ", as incorporated by reference in § 260.11 of this chapter" at end of sentence	264.314(c)	2515.D	X			
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PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

SUBPART J - TANK SYSTEMS

APPLICABILITY

replace first occurrence of "EPA" with "the following test must be used."; change "Wastes" to "Waste"; add comma after "Physical/Chemical Methods"; remove parentheses from "(EPA Publication No. SW-846)"; remove "No."; replace "must be used" with ", as incorporated by reference in § 260.11 of this chapter"	265.190(a)	4431.A.1	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

SUBPART N - LANDFILLS

SPECIAL REQUIREMENTS FOR BULK AND CONTAINERIZED LIQUIDS

change "Wastes" to Waste"; after "Physical/ Chemical Methods", change the period to a comma; remove brackets from "[EPA Publication No. SW-846]"; remove "No."; add ", as incorporated by reference in § 260.11 of this chapter" at end of sentence	265.314(d)	4507.D	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 268 - LAND DISPOSAL RESTRICTIONS

SUBPART A - GENERAL

WASTE ANALYSIS AND RECORDKEEPING

¹ add comma after first "§ 268.32"; replace "test method described in part 261, appendix II" with reference to the TCLP in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"; remove "of this chapter" after "subpart C"; replace "test method described in appendix IX of this part" with reference to the EP toxicity test in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"; change "his" to "this" before "waste displays"; remove "of this part" after "§ 268.2"	268.7(a)	2245.A	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

SUBPART D - TREATMENT STANDARDS

APPLICABILITY OF TREATMENT STANDARDS

replace "the test method in appendix II of part 261" with "Method 1311, the Toxicity Characteristic Leaching Procedure"; replace "the test method in 40 CFR part 261, appendix II, or the test method in appendix IX of this part" with reference to Methods 1310 and 1311; add sentence, at end of paragraph, regarding Methods 1310 and 1311 in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"	268.40(a)	2223.A	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN WASTE EXTRACT						
replace "the test method in appendix I of this part" with "Method 1311, the Toxicity Characteristic Leaching Procedure,"; add sentence regarding Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods" at end of paragraph	268.41(a)	12223	X			
APPENDIX I TO PART 268						
TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)						
replace note regarding TCLP in Appendix II of part 261 with note regarding TCLP in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"	268 Appendix I	Ch.49.App B	X			
APPENDIX IX TO PART 268						
EXTRACTION PROCEDURE (EP) TOXICITY TEST METHOD AND STRUCTURAL INTEGRITY TEST (METHOD 1310)						
replace EP Toxicity Test method with note regarding EP in "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"	268 Appendix IX	Ch.49.App C	X			

¹ 40 CFR 268.41(a) was moved to 40 CFR 268.40 on September 19, 1994. 40 CFR 268.40 is equivalent to LAC 33:V.2223. 40 CFR 268.41(a) no longer exists.

RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 270 - EPA ADMINISTERED PERMIT PROGRAMS: THE HAZARDOUS WASTE PERMIT PROGRAM

SUBPART A - GENERAL INFORMATION

REFERENCES

replace information on "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" with reference to 260.11	270.6(a)	110	X			
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SUBPART B - PERMIT APPLICATION

SPECIFIC PART B INFORMATION REQUIREMENTS FOR INCINERATORS

in the last sentence, change "methods for the evaluation of" to "Methods for Evaluating"; add a comma after "Physical/ Chemical Methods"; replace "(incorporated by reference, see § 270.6 and referenced in 40 CFR part 261, appendix III)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.19(c)(1)(iii)	529.C.1.c	X			
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RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
change "the Evaluation of" to "Evaluating"; add a comma after "Physical/Chemical Methods"; replace "(incorporated by reference, see § 270.6)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.19(c)(1)(iv)	529.C.1.d	X			

SUBPART F - SPECIAL FORMS OF PERMITS

HAZARDOUS WASTE INCINERATOR PERMITS

in the last sentence, change "the Evaluation of" to "Evaluating"; add a comma after "Physical/Chemical Methods"; replace "(incorporated by reference, see § 270.6)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.62(b)(2)(i)(C)	3115.B.1.c	X			
change "the Evaluation of" to "Evaluating"; replace "(incorporated by reference, see § 270.6)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.62(b)(2)(i)(D)	3115.B.1.d	X			

RCRA REVISION CHECKLIST 126: Testing and Monitoring Activities (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
PERMITS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE						
in the last sentence, insert "waste" before "analysis"; add opening quotation mark before "Test"; add comma and closing quotation mark after "Physical/ Chemical Methods"; replace "(incorporated by reference, see § 270.6)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.66(c)(2)(i)	537.B.2.b.ii.(a)	X			
add opening quotation mark before "Test Methods"; add comma and closing quotation mark after "Physical/ Chemical Methods"; replace "(incorporated by reference, see § 270.6)" with "EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter and § 270.6"	270.66(c)(2)(ii)	537.B.2.b.ii.(b)	X			

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The September 19 (59 FR 47980) rule indicates that it was not EPA's intention to remove the subparagraphs of 268.7(a) as the August 31, 1993 rule (58 FR 46040) implied. The provisions have remained in affect continuously in the form published in the CFR revised as of July 1, 1993.

**Boilers and Industrial Furnaces;
Administrative Stay and Interim Standards for Bevill Residues
58 FR 59598-59603
November 9, 1993
(RCRA Cluster IV, HSWA provisions)**

Notes: 1) Although this Revision Checklist is designated as optional, EPA strongly recommends that States adopt the less stringent requirements of this administrative stay because the nonmetal limits affected by the stay are extremely conservative and were based on unintended mistaken assumptions. This rule replaces the current nonmetal limits needed to qualify for the Bevill exemption, as specified in the February 21, 1991 rule (Revision Checklist 85), with the land disposal restriction (LDR) limits for underlying constituents in nonwastewaters pending further administrative action to establish appropriate health-based levels.

2) Note that the administrative stay is conditioned on compliance with the interim LDR exemption values. Noncompliance with those values would mean that the owner or operator of the Bevill device is no longer meeting the conditions of the administrative stay and, therefore, must comply with the comparison test in § 266.112(b)(1), in order to qualify for the exclusion in § 266.112. If the owner or operator meets neither the conditions of the stay nor the comparison test, then the residue would be subject to regulation as hazardous waste. Additionally, the stay does not affect the application of the procedural requirements in 266.112(b)(2) except as outlined in 58 FR 59600, column 3, sections V. A-D.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

**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

REGULATION OF RESIDUES

¹ at the end of the paragraph, before "; and", add new text addressing administrative stay for levels specified in appendix VII and default level of 0.002 micrograms/kg or level of detection as identified in Note 1; owner or operator must comply with alternative levels defined as land disposal restriction limits specified in § 268.43 for F039 nonwastewaters; compliance based on good-faith effort to detect constituents; demonstration of good-faith efforts; stay in effect until further administrative action is taken	266.112(b)(2)(i)	3025.B.2.a	X			
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OPTIONAL CHECKLIST

RCRA REVISION CHECKLIST 127: Boilers and Industrial Furnaces;
Administrative Stay and Interim Standards for Bevill Residues (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

APPENDIX VII TO PART 266

HEALTH-BASED LIMITS FOR EXCLUSION OF WASTE-DERIVED RESIDUES

¹ redesignate "Note" as "Note 1" after tables; add new "Note 2" regarding administrative stay of specified and default levels for constituents specified in § 266.112(b)(1) provided owner or operator complies with alternative levels defined in 266.112(b)(2)(i)	266, Appendix VII, notes	Chapter 30, Appendix G	X			
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- 1 Note the typographical error in the Federal Register: "FO39" should be "F039" (i.e., should be a zero not an upper case "O").

RCRA REVISION CHECKLIST 128

Wastes From the Use of Chlorophenolic Formulations in Wood Surface Protection

59 FR 458-469

January 4, 1994

(RCRA Cluster IV, Non-HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART B - DEFINITIONS

REFERENCES

1 revise the reference to "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" by replacing "[Third Edition (September, 1986), as amended by Update I (July 1992)]" with "(Third Edition (November, 1986), as amended by Updates I, II and IIA)"; in the second sentence, replace "Update I" with "Updates I, II and IIA"; remove the last sentence regarding where copies may be inspected	260.11(a)	110	X			
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**RCRA REVISION CHECKLIST 128: Wastes From the Use of Chlorophenolic
Formulations in Wood Surface Protection (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

APPENDIX VIII TO PART 261

HAZARDOUS CONSTITUENTS

add the specified hazardous constituents in alphabetical order as shown below:	Appendix VIII	3105.Tbl 1	X			
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Common Name	Chemical Abstracts name	No.	Chemical abstracts No.	Hazardous waste
* * *	* * *	*	*	*
Potassium pentachlorophenate	Pentachlorophenol, potassium salt		7778736	None
* * *	* * *	*	*	*
Sodium pentachlorophenate	Pentachlorophenol, sodium salt		131522	None
* * *	* * *	*	*	*
2,3,4,6-tetrachlorophenol, potassium salt	same		53535276	None
2,3,4,6-tetrachlorophenol, sodium salt	same		25567559	None
* * *	* * *	*	*	*

- 1 Note the date (November 1986) given in the ER appears to be an error because the date on the third edition of SW-836 is September 1986 as was indicated in the Federal Register (58 ER 46040; August 31, 1993) addressed by Revision Checklist 126.

RCRA REVISION CHECKLIST 129

Revision of Conditional Exemption for Small Scale Treatability Studies

59 FR 8362-8366

February 18, 1994

(RCRA Cluster IV, Non-HSWA provisions)

1) This rule revises the July 19, 1988 (53 FR 27290) Treatability Studies Sample Exemption Rule addressed by Revision Checklist 49. States which are not authorized for Revision Checklist 49 are encouraged to adopt these present revisions at the same time the requirements addressed by Revision Checklist 49 are adopted.

2) As with the July 19, 1988 rule, States are not required to adopt these present revisions because they are less stringent or reduce the scope of the existing Federal requirements. However, EPA strongly encourages States to adopt these revisions. In addition, the Agency plans to work with States to encourage timely adoption of this rule because of its benefits to the development of treatment capacity.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART A - GENERAL

EXCLUSIONS

replace "1000 kg of any non-acute hazardous waste" with "10,000 kg of media contaminated with non-acute hazardous waste, 1000 kg of non-acute hazardous waste other than contaminated media"; replace "or 250 kg of soils, water, or debris" with "2500 kg media"	261.4(e)(2)(i)	105.D.37.b.i	X			
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**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
replace "1000 kg of non-acute hazardous waste, 1 kg of acute hazardous waste, or 250 kg of soils, water, or debris contaminated with acute hazardous waste" with "10,000 kg; the 10,000 kg quantity may be all media contaminated with non-acute hazardous waste, or may include 2500 kg of media contaminated with acute hazardous waste, 1000 kg of hazardous waste, and 1 kg of acute hazardous waste"	261.4(e)(2)(ii)	105.D.37.b.ii	X			

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
completely revise paragraph; add a new first sentence regarding requests for treatability studies involving bioremediation; delete the phrase ", or State Director (if located in an authorized State)," after "The Regional Administrator"; delete commas around the phrase "on a case-by-case basis"; change "paragraph (e)(2)(i)" to "paragraphs (e)(2)(i)&(ii) and (f)(4)"; replace "500 kg of non-acute hazardous waste," with "5000 kg of media contaminated with non-acute hazardous waste, 500 kg of non-acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste and"; delete the phrase ", and 250 kg of soils, water...to conduct further treatability study evaluation when"; restructure the remaining portions of paragraph 261.4(e)(3) starting with "There has been an equipment failure..." and "The additional quantities allowed...", and redesignate them as new subparagraphs (e)(3)(ii) and (e)(3)(iii)	261.4(e)(3)	105.D.37.c	X			

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
1 redesignate old 261.4(e)(3)(i) as 261.4(e)(3)(iii)(A); add new subparagraph regarding factors to be considered when reviewing requests for authorization to ship, store and conduct treatability studies	261.4(e)(3)(i)	105.D.37.c.i	X			
redesignate old 261.4(e)(3)(ii) as 261.4(e)(3)(iii)(B); the third to the last sentence ("There has been an equipment... specifications for treatment.") from the old 261.4(e)(3)(intro) becomes the new 261.4(e)(3)(ii); to the beginning of that sentence add the phrase "In response to requests for authorization to ship, store and conduct treatability studies on additional quantities after initiation or completion of initial treatability studies, when:"	261.4(e)(3)(ii)	105.D.37.c.ii	X			

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
redesignate old 261.4(e)(3)(iii) as 261.4(e)(3)(iii)(C); the last two sentences (beginning with "The additional quantities") from the old 261.4(e)(3)(intro) become the new 264.4(e)(3)(iii); revise the first of these two sentences by inserting the phrase "and timeframes" between "quantities" and "allowed" and replacing "are subject to all the provisions in paragraphs (e)(1) and (e)(2)(ii)(vi) of this section" with "in paragraph (e)(3)(i) and (ii) of this section are subject to all the provisions in paragraphs (e)(1) and (e)(2)(iii) through (vi) of this section."	261.4(e)(3)(iii)	105.D.37.c.iii	X			
² old 261.4(e)(3)(i) becomes 261.4(e)(3)(iii)(A); insert "time or" between both occurrences of "additional" and "quantity"; replace the semicolon at the end of the subparagraph with a comma	261.4(e)(3)(iii)(A)	105.D.37.c.iii.(a)	X			
old 261.4(e)(3)(ii) becomes 261.4(e)(3)(iii)(B); change "data" to "date" after "studies including the"	261.4(e)(3)(iii)(B)	105.D.37.c.iii.(b)	X			
old 261.4(e)(3)(iii) becomes 261.4(e)(3)(iii)(C)	261.4(e)(3)(iii)(C)	105.D.37.c.iii.(c)	X			

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
old 261.4(e)(3)(iv) becomes 261.4(e)(3)(iii)(D)	261.4(e)(3)(iii)(D)	105.D.37.c.iii.(d)	X			
old 261.4(e)(3)(v) becomes 261.4(e)(3)(iii)(E)	261.4(e)(3)(iii)(E)	105.D.37.c.iii.(e)	X			
replace "250 kg of "as received" hazardous waste is subjected" with "10,000 kg of "as received" media contaminated with non- acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste or 250 kg of other "as received" hazardous waste is subject"	261.4(f)(3)	105.D.38.c	X			

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
replace "1000 kg, the total of which can include 500 kg of soils, water, or debris contaminated with acute hazardous waste or" with "10,000 kg, the total of which can include 10,000 kg of media contaminated with non-acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste, 1000 kg of non-acute hazardous wastes other than contaminated media, and"; in the last sentence delete the colon, remove text of 261.4(f)(4)(i) and the subparagraph designators "(i) and (ii)", including only the text of 261.4(f)(4)(ii), with "Treatment materials" changed to "treatment materials"	261.4(f)(4)	105.D.38.d	X			
insert "(two years for treatability studies involving bioremediation)" after "no more than one year"; replace "has elapsed" with "have elapsed"; add two new sentences at the end of the paragraph regarding treated material from treatability studies that can be archived	261.4(f)(5)	105.D.38.e	X			

- 1 Note that there is a typographical error in this subparagraph; "treatabilty" should be "treatability."

**RCRA REVISION CHECKLIST 129: Revision of Conditional Exemption for
Small Scale Treatability Studies (cont'd)**

- 2 The replacement of the semi-colon with a comma at the end of 261.4(e)(iii)(A) may be a typographical error as other 261.4(e)(iii) subparagraphs (i.e., 261.4(e)(iii)(B)-(D)) end with a semi-colon.**

RCRA REVISION CHECKLIST 130

Recycled Used Oil Management Standards; Technical Amendments and Corrections II 59 FR 10550-10560

March 4, 1994

(RCRA Cluster IV, HSWA and Non-HSWA provisions)

Notes: 1) This rule provides clarifying amendments to the recycled used oil management standards rule, published September 10, 1992 (57 FR 41566; Revision Checklist 112) and expands the exemption from the Part 279 requirements to other petroleum refinery applications. This rule also corrects errors in regulations that appeared in the May 3, 1993 rule Federal Register (58 FR 26420; Revision Checklist 122).

2) As stated in the preamble to the May 3, 1993 Technical Correction to the September 10, 1992 rule, EPA is treating the majority of the final used oil management standards in the same manner as "non-HSWA" Subtitle C requirements. However, provisions that were issued under HSWA authority in the November 29, 1985 rule (50 FR 49201; Revision Checklist 19) and recodified in part 279 by the September 10, 1992 rule (specifically 279.10, 279.11, and portions of 279.1 and Subparts G and H) remain HSWA requirements and will continue to be enforced by EPA until a State becomes authorized for them. The HSWA provisions changed by this checklist are designated by a "♦" (diamond symbol).

3) The standards promulgated in the March 4, 1994 rule at 279.20(g), 279.41(c), 279.46(a)(5), 279.46(b)(5) and the revision to the transfer facility definition are less stringent than or reduce the scope of the existing Federal requirements. Thus, authorized States are not required to modify their programs to adopt the provisions addressed by these citations. States are required to adopt the other provisions addressed by this checklist, however.

4) States are encouraged to apply for Checklists 112, 122 and 130 at the same time. A checklist which consolidates the Checklist 112, 122 and 130 provisions has been developed to help States apply for these checklists concurrently. States that have already adopted Revision Checklists 112 and 122 are encouraged to adopt Revision Checklist 130 as soon as possible.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL						
SUBPART A - DEFINITIONS						
DEFINITIONS						
add, in alphabetical order, definition of "petroleum refining facility"	279.1	4001	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
remove comma after "storage areas"; insert "and no longer than 35 days" after "24 hours"; replace "and no longer than 35 days" after "normal course of transportation" with "or prior to an activity performed pursuant to 279.20(b)(2)"	279.1 "used oil transfer facility"	4001	X			

SUBPART B - APPLICABILITY

APPLICABILITY

in the last sentence, remove phrase "for the cost of \$110.00."	279.10(b)(1)(ii)	4003.B.1.b	X			
♦ delete phrase "and is not listed in subpart D of part 261 of this chapter"; insert "ignitable-only" before "mineral spirits" and "resultant" before "mixture does not exhibit"	279.10(b)(2)(iii)	4003.B.2.c	X			
replace old paragraph with new heading "Used oil introduced into crude oil pipelines or a petroleum refining facility"	279.10(g)	4003.G	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
add new paragraph; used oil mixed with crude oil or natural gas liquids for insertion into a crude oil pipeline is exempt from the Part 279 requirements; this used oil is subject to Part 279 requirements prior to mixing of used oil with crude oil or natural gas liquids	279.10(g)(1)	4003.G.1	X			
add new paragraph; mixtures of used oil and crude oil or natural gas liquids containing less than 1% used oil being stored or transported to crude oil pipeline or petroleum refining facility for insertion into refining process at a point prior to crude distillation or catalytic cracking are exempt from the Part 279 requirements	279.10(g)(2)	4003.G.2	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
add new paragraph; used oil inserted into petroleum refining facility process before crude distillation or catalytic cracking without prior mixing with crude oil exemption is exempt from the Part 279 requirements provided used oil constitutes less than 1% of crude oil feed to any petroleum facility process unit at any time; this used oil is subject to Part 279 requirements prior to insertion into the petroleum refining facility process	279.10(g)(3)	4003.G.3	X			
add new paragraph; except as provided in 279.10(g)(5), used oil introduced into petroleum refining facility process after crude distillation or catalytic cracking is exempt from the Part 279 requirements only if used oil meets 279.11 specifications; this used oil is subject to Part 279 requirements prior to insertion into petroleum refining facility process	279.10(g)(4)	4003.G.4	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
add new paragraph; used oil incidentally captured by hydrocarbon recovery system or wastewater treatment system as part of routine process operations at petroleum refining facility and inserted into the petroleum refining facility process is exempt from the Part 279 requirements; exemption does not extend to used oil intentionally introduced into a hydrocarbon recovery system	279.10(g)(5)	4003.G.5	X			
add new paragraph; tank bottoms from stock tanks containing exempt mixtures of used oil and crude oil or natural gas liquids are exempt from the Part 279 requirements	279.10(g)(6)	4003.G.6	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
SUBPART C - STANDARDS FOR USED GENERATORS						
APPLICABILITY						
redesignate existing paragraph 279.20(b)(2) as 279.20(b)(2)(i); insert "Except as provided in paragraph (b)(2)(ii) of this section," at the beginning of the sentence	279.20(b)(2)(i)	4009.B.2	X			
add new subparagraph; generators who perform the following activities are not processors provided the used oil is generators on-site and is not being sent off-site to a burner of on- or off-specification used oil fuel:	279.20(b)(2)(ii)	4009.B.2	X			
filtering, cleaning, or otherwise reconditioning used oil before returning it for reuse by generator	279.20(b)(2)(ii)(A)	4009.B.2.a	X			
separating used oil from wastewater generated on-site to make the wastewater acceptable for discharge or reuse under CWA or other applicable Federal regulations governing the management or discharge of wastewaters	279.20(b)(2)(ii)(B)	4009.B.2.b	X			
using oil mist collectors to remove small droplets of used oil from in-plant air to make plant air suitable for continued recirculation	279.20(b)(2)(ii)(C)	4009.B.2.c	X			

**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
draining or removing used oil from materials containing or contaminated with used oil in order to remove excessive oil pursuant to 279.10(c)	279.20(b)(2)(ii)(D)	4009.B.2.d	X			
filtering, separating or reconditioning used oil before burning it in a space heater pursuant to 279.23	279.20(b)(2)(ii)(E)	4009.B.2.e	X			

SUBPART E - STANDARDS FOR USED OIL TRANSPORTERS AND TRANSFER FACILITIES

RESTRICTIONS ON TRANSPORTERS WHO ARE NOT ALSO PROCESSORS OR RE-REFINERS

add new paragraph; transporters of used oil removed from oil bearing electrical transformers and turbines and filtered by transporter or at a transfer facility prior to being returned to its original use are not subject to the processor/re-refiner requirements in subpart F of Part 279	279.41(c)	4027.C	X			
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REBUTTABLE PRESUMPTION FOR USED OIL

in the last sentence, remove phrase "for the cost of \$110.00."	279.44(c)	4033.C	X			
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TRACKING

redesignate existing paragraph 279.46(a)(5) as 279.46(a)(5)(i); insert "Except as provided in paragraph (a)(5)(ii) of this section," at the beginning of the sentence	279.46(a)(5)(i)	4037.A.5	X			
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**RCRA REVISION CHECKLIST 130: Recycled Used Oil Management Standards;
Technical Amendments and Corrections II (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
add new subparagraph; intermediate rail transporters not required to sign record of delivery	279.46(a)(5)(ii)	4037.A.5	X			
redesignate existing paragraph 279.46(b)(5) as 279.46(b)(5)(i); insert "Except as provided in paragraph (b)(5)(ii) of this section," at the beginning of the sentence	279.46(b)(5)(i)	4037.B.5	X			
add new subparagraph; intermediate rail transporters not required to sign record of delivery	279.46(b)(5)(ii)	4037.B.5	X			

SUBPART F - STANDARDS FOR USED OIL PROCESSORS AND RE-REFINERS

REBUTTABLE PRESUMPTION FOR USED OIL

in the last sentence, remove phrase "for the cost of \$110.00."	279.53(c)	4047.C	X			
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**SUBPART G - STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPECIFICATION USED
OIL FOR ENERGY RECOVERY**

REBUTTABLE PRESUMPTION FOR USED OIL

♦ in the last sentence, remove phrase "for the cost of \$110.00."	279.63(c)	4067.C	X			
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RCRA REVISION CHECKLIST 131

Recordkeeping Instructions; Technical Amendment

59 FR 13891-13893

March 24, 1994

(RCRA Cluster IV, Non-HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

**PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE
TREATMENT, STORAGE, AND DISPOSAL FACILITIES**

APPENDIX I TO PART 264

RECORDKEEPING INSTRUCTIONS

replace Table 1 to paragraph (2) with the following table:	Appendix I/Table 1	¹ 1529.B.3.Tbl. 1	X			
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Table 1

Unit of measure	Code ¹
Gallons	G
Gallons per Hour	E
Gallons per Day	U
Liters	L
Liters per Hour	H
Liters per Day	V
Short Tons per Hour	D
Metric Tons per Hour	W
Short Tons per Day	N
Metric Tons per Day	S
Pounds per Hour	J
Kilograms per Hour	R
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu's per Hour	I

FOOTNOTE: ¹Single digit symbols are used here for data processing purposes.

¹ LAC 33:V.1529.B.1-4 is equivalent to 40 CFR 264.App. I.(1)-(3).

**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
replace Table 2 to paragraph (3) with the following table:	Appendix I/Table 2	1529.B.4.Tbl. 2	X			

**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

Table 2.-Handling Codes for Treatment, Storage and Disposal Methods

Enter the handling code(s) listed below that most closely represents the technique(s) used at the facility to treat, store or dispose of each quantity of hazardous waste received.

1. Storage

S01 Container (barrel, drum, etc.)
S02 Tank
S03 Waste Pile
S04 Surface Impoundment
S05 Drip Pad
S06 Containment Building (Storage)
S99 Other Storage (specify)

2. Treatment

(a) Thermal Treatment--

T06 Liquid injection incinerator
T07 Rotary kiln incinerator
T08 Fluidized bed incinerator
T09 Multiple hearth incinerator
T10 Infrared furnace incinerator
T11 Molten salt destructor
T12 Pyrolysis
T13 Wet air oxidation
T14 Calcination
T15 Microwave discharge
T18 Other (specify)

(b) Chemical Treatment--

T19 Absorption mound
T20 Absorption field
T21 Chemical fixation
T22 Chemical oxidation
T23 Chemical precipitation
T24 Chemical reduction
T25 Chlorination
T26 Chlorinolysis
T27 Cyanide destruction
T28 Degradation
T29 Detoxification
T30 Ion exchange
T31 Neutralization
T32 Ozonation
T33 Photolysis
T34 Other (specify)

**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

(c) Physical Treatment--**(1) Separation of components:**

T35 Centrifugation
 T36 Clarification
 T37 Coagulation
 T38 Decanting
 T39 Encapsulation
 T40 Filtration
 T41 Flocculation
 T42 Flotation
 T43 Foaming
 T44 Sedimentation
 T45 Thickening
 T46 Ultrafiltration
 T47 Other (specify)

(2) Removal of Specific Components:

T48 Absorption-molecular sieve
 T49 Activated carbon
 T50 Blending
 T51 Catalysis
 T52 Crystallization
 T53 Dialysis
 T54 Distillation
 T55 Electrodialysis
 T56 Electrolysis
 T57 Evaporation
 T58 High gradient magnetic separation
 T59 Leaching
 T60 Liquid ion exchange
 T61 Liquid-liquid extraction
 T62 Reverse osmosis
 T63 Solvent recovery
 T64 Stripping
 T65 Sand filter
 T66 Other (specify)

(d) Biological Treatment

T67 Activated sludge
 T68 Aerobic lagoon
 T69 Aerobic tank
 T70 Anaerobic tank
 T71 Composting
 T72 Septic tank
 T73 Spray irrigation
 T74 Thickening filter
 T75 Tricking filter
 T76 Waste stabilization pond
 T77 Other (specify)
 T78 [Reserved]
 T79 [Reserved]

**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
(e) Boilers and Industrial Furnaces						
	T80	Boiler				
	T81	Cement Kiln				
	T82	Lime Kiln				
	T83	Aggregate Kiln				
	T84	Phosphate Kiln				
	T85	Coke Oven				
	T86	Blast Furnace				
	T87	Smelting, Melting, or Refining Furnace				
	T88	Titanium Dioxide Chloride Process Oxidation Reactor				
	T89	Methane Reforming Furnace				
	T90	Pulping Liquor Recovery Furnace				
	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid				
	T92	Halogen Acid Furnaces				
	T93	Other Industrial Furnaces Listed in 40 CFR 260.10 (specify)				
(f) Other Treatment						
	T94	Containment Building (Treatment)				
3. Disposal						
	D79	Underground Injection				
	D80	Landfill				
	D81	Land Treatment				
	D82	Ocean Disposal				
	D83	Surface Impoundment (to be closed as a landfill)				
	D99	Other Disposal (specify)				
4. Miscellaneous (Subpart X)						
	X01	Open Burning/Open Detonation				
	X02	Mechanical Processing				
	X03	Thermal Unit				
	X04	Geologic Repository				
	X99	Other Subpart X (specify)				

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

APPENDIX I TO PART 265

RECORDKEEPING INSTRUCTIONS

replace Table 1 to paragraph (2) with the following table:	Appendix I/Table 1	4357.B.3.Tbl. 1	X			
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**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

Table 1

Unit of measure	Code ¹
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds per Hour	J
Kilograms Per Hour	R
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu's per Hour	I

FOOTNOTE: ¹Single digit symbols are used here for data processing purposes.

replace Table 2 to paragraph (3) with the following table:	Appendix I/Table 2	4357.B.4.Tbl. 2	X			
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Table 2.-Handling Codes for Treatment, Storage and Disposal Methods

Enter the handling code(s) listed below that most closely represents the technique(s) used at the facility to treat, store or dispose of each quantity of hazardous waste received.

1. Storage

S01 Container (barrel, drum, etc.)
 S02 Tank
 S03 Waste Pile
 S04 Surface Impoundment
 S05 Drip Pad
 S06 Containment Building (Storage)
 S99 Other Storage (specify)

2. Treatment

(a) Thermal Treatment--

T06 Liquid injection incinerator
 T07 Rotary kiln incinerator
 T08 Fluidized bed incinerator
 T09 Multiple hearth incinerator
 T10 Infrared furnace incinerator
 T11 Molten salt destructor

**RCRA REVISION CHECKLIST 131: Recordkeeping Instructions;
Technical Amendment (cont'd)**

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
	T12	Pyrolysis				
	T13	Wet Air oxidation				
	T14	Calcination				
	T15	Microwave discharge				
	T18	Other (specify)				
	(b) Chemical Treatment--					
	T19	Absorption mound				
	T20	Absorption field				
	T21	Chemical fixation				
	T22	Chemical oxidation				
	T23	Chemical precipitation				
	T24	Chemical reduction				
	T25	Chlorination				
	T26	Chlorinolysis				
	T27	Cyanide destruction				
	T28	Degradation				
	T29	Detoxification				
	T30	Ion exchange				
	T31	Neutralization				
	T32	Ozonation				
	T33	Photolysis				
	T34	Other (specify)				
	(c) Physical Treatment--					
	(1) Separation of components					
	T35	Centrifugation				
	T36	Clarification				
	T37	Coagulation				
	T38	Decanting				
	T39	Encapsulation				
	T40	Filtration				
	T41	Flocculation				
	T42	Flotation				
	T43	Foaming				
	T44	Sedimentation				
	T45	Thickening				
	T46	Ultrafiltration				
	T47	Other (specify)				
	(2) Removal of Specific Components					
	T48	Absorption-molecular sieve				
	T49	Activated carbon				
	T50	Blending				
	T51	Catalysis				
	T52	Crystallization				
	T53	Dialysis				
	T54	Distillation				
	T55	Electrodialysis				
	T56	Electrolysis				
	T57	Evaporation				
	T58	High gradient magnetic separation				
	T59	Leaching				
	T60	Liquid ion exchange				
	T61	Liquid-liquid extraction				
	T62	Reverse osmosis				
	T63	Solvent recovery				

RCRA REVISION CHECKLIST 131: Recordkeeping Instructions; Technical Amendment (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
	T64	Stripping				
	T65	Sand filter				
	T66	Other (specify)				
	(d) Biological Treatment					
	T67	Activated sludge				
	T68	Aerobic lagoon				
	T69	Aerobic tank				
	T70	Anaerobic tank				
	T71	Composting				
	T72	Septic tank				
	T73	Spray irrigation				
	T74	Thickening filter				
	T75	Tricking filter				
	T76	Waste stabilization pond				
	T77	Other (specify)				
	T78	[Reserved]				
	T79	[Reserved]				
	(e) Boilers and Industrial Furnaces					
	T80	Boiler				
	T81	Cement Kiln				
	T82	Lime Kiln				
	T83	Aggregate Kiln				
	T84	Phosphate Kiln				
	T85	Coke Oven				
	T86	Blast Furnace				
	T87	Smelting, Melting, or Refining Furnace				
	T88	Titanium Dioxide Chloride Process Oxidation Reactor				
	T89	Methane Reforming Furnace				
	T90	Pulping Liquor Recovery Furnace				
	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid				
	T92	Halogen Acid Furnaces				
	T93	Other Industrial Furnaces Listed in 40 CFR 260.10 (specify)				
	(f) Other Treatment					
	T94	Containment Building (Treatment)				
	3. Disposal					
	D79	Underground Injection				
	D80	Landfill				
	D81	Land Treatment				
	D82	Ocean Disposal				
	D83	Surface Impoundment (to be closed as a landfill)				
	D99	Other Disposal (specify)				
	4. Miscellaneous (Subpart X)					
	X01	Open Burning/Open Detonation				
	X02	Mechanical Processing				
	X03	Thermal Unit				
	X04	Geologic Repository				
	X99	Other Subpart X (specify)				

RCRA REVISION CHECKLIST 132

Wood Surface Protection; Correction

59 FR 28484

June 2, 1994

(RCRA Cluster IV, Non-HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART B - DEFINITIONS

REFERENCES

after the first "Updates I" remove ", II"; remove the "s" in the second "Updates I" as well as "II, and IIA", which occurs immediately after; add new information on where Update II A may be found;	260.11(a)	110	X			
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RCRA REVISION CHECKLIST 133

Letter of Credit Revision

59 FR 29958-29960

June 10, 1994

(RCRA Cluster IV, non-HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART H - FINANCIAL REQUIREMENTS

WORDING OF THE INSTRUMENTS

after "published" insert "and copyrighted"	264.151(d)	3719.D	X			
after "published" insert "and copyrighted"	264.151(k)	3719.K	X			

RCRA REVISION CHECKLIST 134

Correction of Beryllium Powder (P015) Listing 59 FR 31551-31552 June 20, 1994 (RCRA Cluster IV, Non-HSWA provisions)

Note: On April 22, 1988, EPA published a technical correction to the lists of hazardous wastes in 40 CFR 261.33(e) and (f) (Revision Checklist 46, 53 FR 13382). In that notice, however, the word "dust" was inadvertently omitted from the P015 listing for "beryllium dust" in the 261.33(e) list of hazardous wastes. In addition, it became apparent that the term "beryllim dust" is not used by the industry to describe this commerical chemical product; the actual term used by the industry is "beryllium powder". This technical correction adds "powder" to the P015 hazardous waste listing for "beryllium" and makes conforming changes to the list of hazardous constituents in Part 261 Appendix VIII and to Table 2 in § 268.42(a).

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART D--LISTS OF HAZARDOUS WASTES

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THREOREOF

correct the P015 listing as shown below	261.33(e)	4901.E.Tbl. 3	X			
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Hazardous waste No.	Chemical abstracts No.	Substance
* * *	* * *	* * *
P015	7440-41-7	Berryllium powder
* * *	* * *	* * *

APPENDIX VIII TO PART 261

HAZARDOUS CONSTITUENTS

correct the P015 listing as shown below	Appendix VIII	3105.Tbl. 1	X			
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RCRA REVISION CHECKLIST 134: Correction of Beryllium Powder (P015 Listing) (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

Common name	Chemical abstracts name	Chemical abstracts No.	Hazardous waste No.
* * *	* * *	* * *	* * *
Beryllium powder	Same	7440-41-7	P015
* * *	* * *	* * *	* * *

PART 268 - LAND DISPOSAL RESTRICTIONS

SUBPART D - TREATMENT STANDARDS

TREATMENT STANDARDS EXPRESSED AS SPECIFIED TECHNOLOGIES

change the P015 entry's waste description from "beryllium dust" to "beryllium powder"	268.42(a)/Table 2	Ch. 22.Tbl.2	X			
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