RCRA REVISION CHECKLIST 176

Universal Waste Rule -- Technical Amendments
63 FR 71225-71230
December 24,1998
(RCRA Cluster IX, non-HSWA)

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 G - SPENT LEAD-ACID BATTERIES BEING RECLAIMED						
†★ APPLICABILITY AND REQUIREMENTS						
completely revise; if spent lead-acid batteries are generated, collected, transported, stored, or regenerated for reclamation, they may be exempt from certain requirements; use table shown at 63 FR 71230 to determine applicable requirements; alternatively, the part 273 Universal Waste rule may be used to manage spent lead-acid batteries	266.80(a)	20.4.1.700 NMAC	X			
add new table; spent lead-acid batteries exemptions	266.80(a)/Table	20.4.1.700 NMAC	X			

RCRA REVISION CHECKLIST 176: Universal Waste Rule -- Technical Amendments (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; spent lead-acid batteries that are stored prior to being reclaimed through any means except regeneration, are subject to 266.80(b) requirements; requirements differ slightly depending upon RCRA permit status	266.80(b)	20.4.1.700 NMAC	X			
1		266.80(b)(1) intro	20.4.1.700 NMAC	X			
		266.80(b)(1)(i)	20.4.1.700 NMAC	X			
		266.80(b)(1)(ii)	20.4.1.700 NMAC	X			
		266.80(b)(1)(iii)	20.4.1.700 NMAC	X			
		266.80(b)(1)(iv)	20.4.1.700 NMAC	X			
		266.80(b)(1)(v)	20.4.1.700 NMAC	X			
	Interim Status Facilities must comply with specified requirements	266.80(b)(1)(vi)	20.4.1.700 NMAC	X			
		266.80(b)(1)(vii)	20.4.1.700 NMAC	X			
1		266.80(b)(2) intro	20.4.1.700 NMAC	X			
		266.80(b)(2)(i)	20.4.1.700 NMAC	X			
		266.80(b)(2)(ii)	20.4.1.700 NMAC	X			
		266.80(b)(2)(iii)	20.4.1.700 NMAC	X			
		266.80(b)(2)(iv)	20.4.1.700 NMAC	X			
		266.80(b)(2)(v)	20.4.1.700 NMAC	X			
	Permitted Facilities must comply with specified requirements	266.80(b)(2)(vi)	20.4.1.700 NMAC	X			
		266.80(b)(2)(vii)	20.4.1.700 NMAC	X			

RCRA REVISION CHECKLIST 176: Universal Waste Rule -- Technical Amendments (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 273 - STANDARDS FOR UNIVERSAL WASTE MANAGEMENT						
SUBPART A - GENERAL						
DEFINITIONS						
†★ remove "more than" prior to "5,000"; insert "or more" prior to "total"	273.6 "small quantity handler of universal waste"	20.4.1.1000 NMAC	X			

†★ While the provisions indicated were optional when first added to the CFR, States which have chosen to adopt them must also adopt the subsequent revisions. The revisions, therefore, are considered conditionally optional.

1 EPA is restoring and reorganizing the management rules for storing spent lead-acid batteries before reclamation that were mistakenly deleted in the final Universal Waste Rule (60 FR 25492).

RCRA REVISION CHECKLIST 177

Organic Air Emission Standards: Clarification and Technical Amendments
64 FR 3382
January 21, 1999
(RCRA Cluster IX, 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 262 - STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE						
SUBPART B - THE MANIFEST						
ACCUMULATION TIME						
insert "the applicable requirements of" after "complies with"; change "subpart" to "subparts"; insert ", AA, BB, and CC" after "subparts I"	262.34(a)(1)(i)	20.4.1.300 NMAC	X			
insert "the applicable requirements of" after "complies with"; change "subpart" to "subparts"; insert ", AA, BB, and CC" after "subparts J"; remove comma after "part 265"	262.34(a)(1)(ii)	20.4.1.300 NMAC	X			
PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES						
SUBPART AA - AIR EMISSION STANDARDS FOR PROCESS VENTS						
DEFINITIONS						
revise "Equipment"; insert "or other connector" after "flange"	264.1031	20.4.1.500 NMAC	X			
revise "Open-ended valve or line"; replace "process fluid" with "hazardous waste"	264.1031	20.4.1.500 NMAC	X			
add "sampling connection system" definition in alphabetic order	264.1031	20.4.1.500 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (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 CC - AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS						
APPLICABILITY						
replace "generated" with "placed in the unit"; replace "the result" with "a result"; add comma after "3004(v)"; replace comma with semicolon after "3008(h)" and after "authorities"	264.1080(b)(5)	20.4.1.500 NMAC	X			
WASTE DETERMINATION PROCEDURES						
add new paragraph; average VO concentration of waste stream shall be determined before first time material in hazardous waste stream is placed in unit exempted under 264.1082(c)(1) from using air emission controls, thereafter concentration shall be determined for each averaging period that hazardous waste is managed in unit; and	264.1083(a)(1)(i)	20.4.1.500 NMAC	X			
add new paragraph; perform new determination when changes to generating source are likely to cause concentration to increase to level equal to or greater than limit specified in 264.1082	264.1083(a)(1)(ii)	20.4.1.500 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (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; average VO concentration of waste stream shall be determined before first time material in treated waste stream is placed in exempt unit, thereafter update determination information at least once every 12 months; and	264.1083(b)(1)(i)	20.4.1.500 NMAC	X			
	add new paragraph; perform new determination when process generating or treating waste stream changes are likely to cause concentration to increase such that 264.1082(c)(2) treatment conditions are not achieved	264.1083(b)(1)(ii)	20.4.1.500 NMAC	X			
	STANDARDS: TANKS						
1	replace "in the event...unsafe condition" with "under either of the following conditions as specified in paragraph (h)(3)(i) or (h)(3)(ii) of this section"	264.1084(h)(3) intro	20.4.1.500 NMAC	X			
	add new paragraph; when opening safety device is required to avoid unsafe condition	264.1084(h)(3)(i)	20.4.1.500 NMAC	X			
	add new paragraph; when purging of inerts from tank is required and purge stream is routed to closed-vent system and control device designed & operated according to 264.1087	264.1084(h)(3)(ii)	20.4.1.500 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
STANDARDS: CONTAINERS						
add new paragraph; transfer of hazardous waste in or out of container using Container Level 3 controls shall be conducted to minimize exposure to atmosphere; examples of acceptable container loading procedures	264.1086(e)(6)	20.4.1.500 NMAC	X			
PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES						
SUBPART CC - AIR EMISSION STANDARDS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS						
APPLICABILITY						
replace "generated" with "placed in the unit"; replace "the result" with "a result"; removed "RCRA" from after "under the"; insert "RCRA sections" before "3004(u)"; add comma after "3004(v)"; replace comma with semicolon after "3008(h)" and after "authorities"	265.1080(b)(5)	20.4.1.600 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
WASTE DETERMINATION PROCEDURES						
add new paragraph; average VO concentration of waste stream shall be determined before first time material in hazardous waste stream is placed in unit exempted under 265.1083(c)(1) from using air emission controls, thereafter concentration shall be determined for each averaging period hazardous waste is managed in unit; and	265.1084(a)(1)(i)	20.4.1.600 NMAC	X			
add new paragraph; perform new determination when changes to generating source are likely to cause concentration to increase to level equal to or greater than limit specified in 265.1083(c)(1)	265.1084(a)(1)(ii)	20.4.1.600 NMAC	X			
after first sentence, insert new sentence "All of the samples for a given waste determination shall be collected within a one-hour period."	265.1084(a)(3)(ii)(B)	20.4.1.600 NMAC	X			
add new paragraph; sufficient information to document waste quantity and operating conditions represented by samples	265.1084(a)(3)(ii)(D)	20.4.1.600 NMAC	X			
revise paragraph; analysis	265.1084(a)(3)(iii)	20.4.1.600 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (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; average VO concentration of waste stream shall be determined before first time material in treated waste stream is placed in exempt unit, thereafter update determination information at least once every 12 months; and	265.1084(b)(1)(i)	20.4.1.600 NMAC	X			
add new paragraph; perform new determination when process generating or treating waste stream changes are likely to cause concentration to increase such that treatment conditions are not achieved	265.1084(b)(1)(ii)	20.4.1.600 NMAC	X			
after first sentence, insert new sentence "All of the samples for a given waste determination shall be collected within a one-hour period."; remove "source or"; insert "or treating" after "generating"	265.1084(b)(3)(ii)(B)	20.4.1.600 NMAC	X			
add new paragraph; sufficient information to document waste quantity and operating conditions represented by the samples	265.1084(b)(3)(ii)(D)	20.4.1.600 NMAC	X			
revise paragraph; analysis	265.1084(b)(3)(iii)	20.4.1.600 NMAC	X			

RCRA REVISION CHECKLIST 177: Organic Air Emission Standards: Clarification and Technical Amendments (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
STANDARDS: TANKS						
[1] replace "in the event...unsafe condition" with "under either of the following conditions as specified in paragraph (h)(3)(i) or (h)(3)(ii) of this section"	265.1085(h)(3)	20.4.1.600 NMAC	X			
[2] add new paragraph; when opening safety device is required to avoid unsafe condition	265.1085(h)(3)(i)	20.4.1.600 NMAC	X			
add new paragraph; when purging of inerts from tank is required and purge stream is routed to closed-vent system and control device designed & operated according to 265.1088	265.1085(h)(3)(ii)	20.4.1.600 NMAC	X			
STANDARDS: CONTAINERS						
add new paragraph; transfer of hazardous waste in or out of container using Container Level 3 controls shall be conducted to minimize exposure to atmosphere; examples of acceptable container loading procedures	265.1087(e)(6)	20.4.1.600 NMAC	X			

[1] There is a typographical error in the revised paragraphs: "under either or the following conditions" should be "under either of the following conditions".

[2] States should be sure to add a new paragraph at 265.1085(h)(3)(i), and not replace 265.1085(i), which currently follows 265.1085(h)(3).

RCRA REVISION CHECKLIST 178

Petroleum Refining Process Wastes -- Leachate Exemption
64 FR 6806
February 11, 1999
(RCRA Cluster IX, HSWA)

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						

RCRA REVISION CHECKLIST 179

Land Disposal Restrictions Phase IV -- Technical Corrections
and Clarifications to Treatment Standards
64 FR 25408-25417
May 11, 1999
(RCRA Cluster IX, HSWA/non-HSWA provisions)

Note that the revisions to 262.34(d)(4), 268.2(h), 268.2(k), 268.7(a)(4)/table, 268.7(b)(3)(ii)/Table, 268.7(b)(4)(iv), 268.9(d)(2) intro, 268.9(d)(2)(i), 268.40(i), 268.40(j), 268.40/Table, 268.48(a)/Table, 268.49(c)(3) intro, 268.49(c)(3)(A)&(B) were made pursuant to HSWA. The revisions to 261.2(c)(3), 261.2(c)(4)/Table, 261.2(e)(1)(iii), first paragraph 261.4(a)(16), 261.4(a)(17) introductory paragraph, 261.4(a)(17)(v), and 261.4(b)(7)(iii)&(iii)(A) were made relative to non-HSWA authority. Those provisions designated as HSWA are identified by a " ♦" (diamond symbol) in this checklist.

	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						
	DEFINITION OF SOLID WASTE						
	replace both references to "40 CFR 261.4(a)(15)" to "40 CFR 261.4(a)(17)"	261.2(c)(3)	20.4.1.200 NMAC	X			
	in heading of column 3 of Table 1 replace "261.4(a)(15)" with "261.4(a)(17)"	261.2(c)(4)/Table	20.4.1.200 NMAC	X			
1	reinsert language at beginning of paragraph: "Returned to the original process....no placement on land; in the existing sentence replace reference to "§ 261.4(a)(15)" with "§ 261.4(a)(17)"	261.2(e)(1)(iii)	20.4.1.200 NMAC	X			
	EXCLUSIONS						
2,3, †★	redesignate first paragraph 261.4(a)(16) as 261.4(a)(17)	first paragraph 261.4(a)(16)	20.4.1.200 NMAC	X			
2,†★	insert "or by beneficiation" after "by mineral processing"	261.4(a)(17) intro	20.4.1.200 NMAC	X			

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (cont'd)

	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
†★	insert "non" before "land-based units"	261.4(a)(17)(v)	20.4.1.200 NMAC	X			
	insert "or with normal mineral processing raw materials" after "beneficiation raw materials"	261.4(b)(7)(iii)	20.4.1.200 NMAC	X			
	insert "or normal mineral processing raw materials after "beneficiation raw materials"	261.4(b)(7)(iii)(A)	20.4.1.200 NMAC	X			
	PART 262 - STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE						
	SUBPART C - PRE-TRANSPORT REQUIREMENTS						
	ACCUMULATION TIME						
♦,†★	replace reference "40 CFR 268.7(a)(4)" with "40 CFR 268.7(a)(5)"	262.34(d)(4)	20.4.1.300 NMAC	X			
	PART 268 - LAND DISPOSAL RESTRICTIONS						
	SUBPART A - GENERAL						
	DEFINITIONS APPLICABLE IN THIS PART						
♦,†★	at end of paragraph add "Any deliberate mixing of prohibited hazardous waste with debris that changes its treatment classification (i.e., from waste to hazardous debris) is not allowed under the dilution prohibition in § 268.3."	268.2(h)	20.4.1.800 NMAC	X			

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (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 "Natural Resources" before "Conservation Service"; at end of paragraph add "Any deliberate mixing of prohibited hazardous waste with soil that changes its treatment classification (i.e., from waste to contaminated soil) is not allowed under the dilution prohibition in Sec. 268.3."	268.2(k)	20.4.1.800 NMAC	X			
TESTING, TRACKING , AND RECORDKEEPING REQUIREMENTS FOR GENERATORS, TREATERS, AND DISPOSAL FACILITIES						
♦,†★ in the "Generator Paperwork Requirements Table" revise entry 1. by adding a " ✔" in columns 1, 2 and 4; revise entry 3. by adding a " ✔" in column 2; and revise entry 8. by adding a "✔" in column 2	268.7(a)(4)/Table	20.4.1.800 NMAC	X			
♦ in the "Treatment Facility Paperwork Requirements Table" revise entry 1. by placing a " ✔" in the column titled § 268.7(b)	268.7(b)(3)(ii)\Table	20.4.1.800 NMAC	X			

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (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 "required" from before "method of treatment"; insert ", or § 268.49, and," after "method of treatment)"; remove "are reasonably expected to" before "contain underlying"; insert "if these wastes" before "are treated on-site"; insert "or 268.49" after "40 CFR 268.40"; remove "universal" from before "treatment standards."	268.7(b)(4)(iv)	20.4.1.800 NMAC	X			
SPECIAL RULES REGARDING WASTES THAT EXHIBIT A CHARACTERISTIC						
♦,†★ replace reference to "§268.7(b)(5)" with "§268.7(b)(4)"	268.9(d)(2) intro	20.4.1.800 NMAC	X			
♦,†★ replace "but does not treat" with "but does not meet standards applicable to"; replace reference to "§ 268.7(b)(5)(iv)" with 268.7(b)(4)(iv)"	268.9(d)(2)(i)	20.4.1.800 NMAC	X			
APPLICABLIITY OF TREATMENT STANDARDS						
♦,4 revise first 268.40(i); replace "Zinc-containing fertilizers" with "Zinc micronutrient fertilizers"	first 268.40(i)	20.4.1.800 NMAC	X			
♦,4 redesignate second 268.40(i) as 268.40(j)	second 268.40(i)	20.4.1.800 NMAC	X			
♦,4 redesignated from second 268.40(i)	268.40(j)	20.4.1.800 NMAC	X			
♦ revise the entries for K088, K156, K159, P194, U404 and U408, and footnotes 8 and 11 to read as follows:	268.40/Table	20.4.1.800 NMAC	X			

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (cont'd)

TREATMENT STANDARDS FOR HAZARDOUS WASTES
[Note: NA means not applicable]

Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Regulated Hazardous Constituent		Wastewaters	Nonwastewaters
		Common Name	CAS[2] No.	Concentration in mg/l[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/l TCLP"; or Technology Code
K088	Spent potliners from primary aluminum reduction.	Acenaphthene	83-32-9	0.059	3.4
		Anthracene	120-12-7	0.059	3.4
		Benz(a)anthracene	56-55-3	0.059	3.4
		Benzo(a)pyrene	50-32-8	0.061	3.4
		Benzo(b)fluoranthene	205-99-2	0.11	6.8
		Benzo(k)fluoranthene	207-08-9	0.11	6.8
		Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
		Chrysene	218-01-9	0.059	3.4
		Dibenz(a,h)anthracene	53-70-3	0.055	8.2
		Fluoranthene	206-44-0	0.068	3.4
		Indeno(1,2,3,-c,d)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 mg/l TCLP
		Beryllium	7440-41-7	0.82	1.22 mg/l TCLP
		Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
		Chromium (Total)	7440-47-3	2.77	0.60 mg/l TCLP
		Lead	7439-92-1	0.69	0.75 mg/l TCLP
		Mercury	7439-97-6	0.15	0.025 mg/l TCLP
		Nickel	7440-02-0	3.98	11 mg/l TCLP
		Selenium	7782-49-2	0.82	5.7 mg/l TCLP
		Silver	7440-22-4	0.43	0..14 mg/l TCLP
		Cyanide (Total)[7]	57-12-5	1.2	590
		Cyanide (Amenable)[7]	57-12-5	0.86	30
		Fluoride	16984-48-8	35	NA
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. [10]	Acetonitrile	75-05-8	5.6	18
		Acetophenone	96-86-2	0.010	9.7
		Aniline	62-53-3	0.81	14
		Benomyl	17804-35-2	0.056	1.4
		Benzene	71-43-2	0.14	10
		Carbaryl	63-25-2	0.006	0.14
		Carbenzadim	10605-21-7	0.056	1.4
		Carbofuran	1563-66-2	0.006	0.14
		Carbosulfan	55285-14-8	0.028	1.4
		Chlorobenzene	108-90-7	0.057	6.0
		Chloroform	67-66-3	0.046	6.0

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (cont'd)

TREATMENT STANDARDS FOR HAZARDOUS WASTES
[Note: NA means not applicable]

Waste Code	Waste Description and Treatment/Regulatory Subcategory[1]	Regulated Hazardous Constituent		Wastewaters	Nonwastewaters
		Common Name	CAS[2] No.	Concentration in mg/l[3]; or Technology Code[4]	Concentration in mg/kg[5] unless noted as "mg/l TCLP"; or Technology Code
		o-Dichlorobenzene	95-50-1	0.088	6.0
		Methomyl	16752-77-5	0.028	0.14
		Methylene chloride	75-09-2	0.089	30
		Methyl ethyl ketone	78-93-3	0.28	36
		Naphthalene	91-20-3	0.059	5.6
		Phenol	108-95-2	0.039	6.2
		Pyridine	110-86-1	0.014	16
		Toluene	108-88-3	0.080	10
		Triethylamine	121-44-8	0.081	1.5
*	*	*	*	*	* *
K159	Organics from the treatment of thiocarbamate wastes. [10]	Benzene	71-43-2	0.14	10
		Butylate	2008-41-5	0.042	1.4
		EPTC (Eptam)	759-94-4	0.042	1.4
		Molinate	2212-67-1	0.042	1.4
		Pebulate	1114-71-2	0.042	1.4
		Vernolate	1929-77-7	0.042	1.4
*	*	*	*	*	* *
P194	Oxamyl	Oxamyl	23135-22-0	0.056	0.28
*	*	*	*	*	* *
U404	Triethylamine	Triethylamine	121-44-8	0.081	1.5
*	*	*	*	*	* *
U408	2.4.6-Tribomophenol	2.4.6-Tribomophenol	118-79-6	0.035	7.4
*	*	*	*	*	* *

[1] The waste descriptions provided in this table do not replace waste descriptions in 40 CFR 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 40 CFR 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.

* * * * * * *

Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 9010 or 9012, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes.

* * * * * * *

[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)).

* * * * * * *

[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.

[11] For these wastes, the definition of CMBST is limited to: (1) combustion units operating under 40 CFR 266, (2) combustion units permitted under 40 CFR Part 264, Subpart O, or (3) combustion units operating under 40 CFR 265, Subpart O, which have obtained a determination of equivalent treatment under 268.42(b).

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (cont'd)

	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	UNIVERSAL TREATMENT STANDARDS						
♦,5	add footnote number 6 in column one, under the heading Regulated Constituents/Common Name, after the following chemical names: "Aldicarb sulfone", "Barban," "Bendiocarb," "Benomyl," "Butylate," "Carbaryl," "Carbenzadim," "Carbofuran," "Carbofuran-phenol," "Carbosulfan," "m-Cumenyl-methylcarbamate," "Dithiocarbamates (total)," "EPTC," "Formetanate hydrochloride," "Methiocarb," "Methomyl," "Metolcarb," "Mexacarbate," "Molinate," "Oxamyl," "Pebulate,""Physostigmine," "Physostigmine salicylate," "Promecarb," "Propham," "Propoxur," "Prosulfocarb," "Thiodicarb," "Thiophanate-methyl," "Triallate," "Triethylamine," and "Vernolate;"; add footnote 6 "6. Between August 26, 1998 and March 4, 1999, these constituents are not "underlying hazardous constituents" as defined in Sec. 268.2(i) of this part."	268.48(a)/Table	20.4.1.800 NMAC	X			
	ALTERNATIVE LDR TREATMENT STANDARDS FOR CONTAMINATED SOIL						
♦,†★	no revision made	268.49(c)(3) intro	20.4.1.800 NMAC	X			

RCRA REVISION CHECKLIST 179: Land Disposal Restrictions Phase IV -- Technical Corrections and Clarifications to Treatment Standards (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 "also contains analyzable constituents," with "contains only analyzable and nonanalyzable organic constituents,"; replace "treatment of those analyzable constituents" with "treatment of the analyzable organic constituents"	268.49(c)(3)(A)	20.4.1.800 NMAC	X			
♦,†★	replace "method specified" with "method(s) specified"	268.49(c)(3)(B)	20.4.1.800 NMAC	X			

†★ Conditionally optional. While the provisions indicated were optional when first added to the CFR, States which have chosen to adopt them must also adopt the subsequent revisions. The revisions, therefore, are considered conditionally optional.

1 The May 26, 1998 (CL 167D) rule inadvertently removed the provision language at § 261.2(e)(1)(iii) and replaced it with the additional language which was intended to be added at the end of the paragraph. The original language has been reinserted by Revision Checklist 179 at the beginning of the paragraph, and the May 26, 1998 (CL 167D) addition (now the last sentence of the provision) has been revised to indicate the correct internal reference.

2 Paragraph 261.4(a)(16) was added by 63 FR 28556 (May 26, 1998, Revision Checklist 167). A second paragraph 261.4(a)(16) was added in error by the 63 FR 33782 (June 19, 1998, Revision Checklist 168) rule. The first paragraph 261.4(a)(16) was redesignated by the May 11, 1999 (64 FR 25408, Revision Checklist 179) rule as 261.4(a)(17).

3 A typographical error exists at the redesignated § 261.4(a)(17)(iii). The internal reference "paragraph (a)(15)(iv)" should be "paragraph (a)(17)(iv)".

4 Paragraph 268.40(i) was added by 63 FR 46332-46334 (August 31, 1998, Revision Checklist 170) and a second paragraph 268.40(i) was added 63 FR 47410-47418 (September 4, 1998, Revision Checklist 171). While the instructions for the 64 FR 25408 rule (May 11, 1999, Revision Checklist 179) indicate that the first paragraph should be redesignated as 268.40(j), the revisions made by this rule to 268.40(i) are made to the language introduced by the first paragraph; therefore, it is assumed that the second paragraph 268.40(i) should be redesignated as 268.40(j), and the first paragraph 268.40(i) revised as indicated in the rule.

5 63 FR 47410-47418 (September 4, 1998, Revision Checklist 171) incorrectly removed footnote 6 from 268.48(a)/table. The footnote has been reinserted by Revision Checklist 179 (May 11, 1999, 64 FR 25408).

RCRA REVISION CHECKLIST 180

Test Procedures for the Analysis
of Oil and Grease and Non-Polar Material
64 FR 26315-26327
May 14, 1999
(RCRA Cluster IX, Non-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 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" by inserting "dated" before "July 1992", "September 1994", August 1993", "January 1995", and "December 1996"; add new reference to Update IIIA; insert new sentence regarding the availability of Update IIIA; insert "all of" before "its updates"; revise phone numbers for NTIS; add address of the Office of the Federal Register	260.11(a)(11)	20.4.1.100 NMAC	X			

RCRA REVISION CHECKLIST 180: Test Procedures for the Analysis of Oil and Grease and Non-Polar Material (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 to the list of publications incorporated by reference, new 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	260.11(a)(16)	20.4.1.200 NMAC	X			