

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 131

Recordkeeping Instructions; Technical Amendment
59 ER 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	335.152(a)(19)(A)	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.

replace Table 2 to paragraph (3) with the following table:	Appendix I/Table 2	335.152(a)(19)(A)	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 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 Trickling 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	335.112(a)(21)(A)	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	335.112(a)(21)(A)	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								
revise the reference to "Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods"; 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)	31 (?) 335.30	x					

RCRA REVISION CHECKLIST 133

Letter of Credit Revision
59 ER 29958-29960
June 10, 1994
(RCRA Cluster VI, 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)	335.152(a)(6)	x			
† after "published" insert "and copyrighted"	264.151(k)	335.152(a)(6)	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 commercial 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:			
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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 THEREOF

correct the P015 listing as shown below	261.33(e)	335.1	x			
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Hazardous waste No.	Chemical abstracts No.	Substance
* * *	* * *	* * *
P015	7440-41-7	Beryllium powder
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APPENDIX VIII TO PART 261

HAZARDOUS CONSTITUENTS

correct the P015 listing as shown below	Appendix VIII	335.29(5)	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	335.431(c)(1)	x			
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