

3745-54-73

1

Appendix to rule 3745-54-73 of the Administrative Code

Recordkeeping Instructions

The recordkeeping provisions of rule 3745-54-73 of the Administrative Code specify that an owner or operator ~~must~~shall keep a written operating record at ~~his~~the facility. This appendix provides additional instructions for keeping portions of the operating record. See paragraph (B) of rule 3745-54-73 of the Administrative Code for additional recordkeeping requirements.

The following information ~~must~~shall be recorded, as ~~it~~the information becomes available, and maintained in the operating record until closure of the facility in the following manner:

Records of each hazardous waste received, treated, stored, or disposed of at the facility which include all of the following:

- (1) A description by its common name and the EPA hazardous waste ~~number(s)~~numbers from Chapter 3745-51 of the Administrative Code which apply to the waste. The waste description also ~~must~~shall include the waste's physical form, i.e., liquid, sludge, solid, or contained gas. If the waste is not listed as a hazardous waste in rules 3745-51-30 to 3745-51-35 of the Administrative Code, the description also ~~must~~shall include the process that produced ~~it~~the waste (for example, solid filter cake from production of ----, EPA hazardous waste number W051).

Each hazardous waste listed in rules 3745-51-30 to 3745-51-35 of the Administrative Code and each hazardous waste characteristic ~~defined~~identified in rules 3745-51-20 to 3745-51-24 of the Administrative Code, has a four-digit EPA hazardous waste number assigned to ~~it~~the hazardous waste. This number ~~must~~shall be used for recordkeeping and reporting purposes. Where a hazardous waste contains more than one listed hazardous waste, or where more than one hazardous waste characteristic applies to the waste, the waste description ~~must~~shall include all applicable EPA hazardous waste numbers.

Table 1	
Unit of measure	Code ¹
Gallons	G
Gallons per hour	E
Gallons per day	U
Liters	L
Liters per hour	H

Table 1	
Unit of measure	Code ¹
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
<u>British thermal units (Btu's) per hour</u>	I
Pounds	P
Short tons	T
Kilograms	K
Tons	M
1 Single digit symbols are used here for data processing purposes.	

- (2) The estimated or manifest-reported weight, or volume and density, where applicable, in one of the units of measure specified in Table 1 of this appendix.
- (3) The ~~method(s)~~methods [by handling ~~code(s)~~codes as specified in Table 2 of this appendix] and ~~date(s)~~dates of treatment, storage, or disposal.

Table 2- Handling Codes for Treatment, Storage, and Disposal Methods	
Enter the handling code(s) <u>codes</u> listed below that most closely represents the technique(s) <u>techniques</u> used at the facility to treat, store, or dispose of each quantity of hazardous waste received.	
1.	<p>Storage</p> <p>S01 Container (barrel, drum, etc.)</p> <p>S02 Tank</p> <p>S03 Waste pile</p> <p>S04 Surface impoundment</p> <p>S05 Other (specify)</p> <p>S06 Containment building (storage)</p> <p>S99 Other storage (specify)</p>
2.	<p>Treatment</p> <p>(a) Thermal Treatment</p> <p> T06 Liquid injection incinerator</p> <p> T07 Rotary kiln incinerator</p> <p> T08 Fluidized bed incinerator</p> <p> T09 Multiple hearth incinerator</p> <p> T10 Infrared furnace incinerator</p> <p> T11 Molten salt destructor</p> <p> T12 Pyrolysis</p> <p> T13 Wet Air oxidation</p> <p> T14 Calcination</p> <p> T15 Microwave discharge</p> <p> T18 Other (specify)</p> <p>(b) Chemical Treatment</p> <p> T19 Absorption mound</p> <p> T20 Absorption field</p> <p> T21 Chemical fixation</p> <p> T22 Chemical oxidation</p> <p> T23 Chemical precipitation</p> <p> T24 Chemical reduction</p> <p> T25 Chlorination</p> <p> T26 Chlorinolysis</p>

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

	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)
	(1)	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

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

	T57	Evaporation
	T58	High gradient magnetic separation
	T59	Leaching
	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 lagoon
	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]
(e)	Boilers and Industrial Furnaces	
	T80	Boiler
	T81	Cement kiln
	T82	Lime kiln

Table 2- Handling Codes for Treatment, Storage, and Disposal Methods		
	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 rule 3745-50-10 of the Administrative Code (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 burning or Open detonation
	X02	Mechanical processing
	X03	Thermal unit
	X04	Geologic repository
	X99	Other Subpart X (specify)