

3745-54-73

APPENDIX

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 shall keep a written operating record at 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 shall be recorded, as 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~~ the hazardous waste's common name and the EPA hazardous waste numbers from Chapter 3745-51 of the Administrative Code which apply to the waste. The waste description also 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 shall include the process that produced 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 identified in rules 3745-51-20 to 3745-51-24 of the Administrative Code has a four-digit EPA hazardous waste number assigned to the hazardous waste. This number 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 shall include all applicable EPA hazardous waste numbers.

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

Table 1	
Unit of measure	Code ¹
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
British thermal units (Btu's) per hour	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 methods [by handling codes as specified in Table 2 of this appendix] and dates of treatment, storage, or disposal.

Table 2- Handling Codes for Treatment, Storage, and Disposal Methods	
Enter the handling codes listed below that most closely represents the techniques 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 Other (specify)
	S06 Containment building (storage)

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

Table 2- Handling Codes for Treatment, Storage, and Disposal Methods	
(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
	T57 Evaporation
	T58 High gradient magnetic separation
	T59 Leaching
	T55 Electrodialysis
	T56 Electrolysis
	T57 Evaporation

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

	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
	T83	Aggregate kiln
	T84	Phosphate kiln
	T85	Coke oven
	T86	Blast furnace

Table 2- Handling Codes for Treatment, Storage, and Disposal Methods		
	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 or Open detonation
	X02	Mechanical processing
	X03	Thermal unit
	X04	Geologic repository
	X99	Other Subpart X (specify)