

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 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 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

| 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) |