

US EPA ARCHIVE DOCUMENT

40 CFR Parts 264 and 265

[FRL-4852-9]

Recordkeeping Instructions

AGENCY: Environmental Protection Agency.

ACTION: Technical amendment.

---

SUMMARY: EPA is amending recordkeeping instructions in order to match those unit of measurement codes and handling codes used by hazardous waste treatment, storage and disposal facilities to report to EPA on the Part A Permit Application Form with the codes used to maintain records on-site by these facilities. This technical amendment also adds additional handling codes to allow for the proper recording of those processes relating to Boilers and Industrial Furnaces and Miscellaneous Units (subpart X) facilities. This amendment will encourage the consistent recordkeeping and reporting of information by hazardous waste treatment, storage and disposal facilities.

EFFECTIVE DATE: March 24, 1994.

ADDRESSES: All comments concerning this technical amendment should be addressed to Jeffrey Gaines, Assistance Branch, Permits and State Program Division (5303W), Office of Solid Waste, U.S. EPA, 401 M Street, SW., Washington, DC 20460.

FOR FURTHER INFORMATION CONTACT: Liza Hearn, (202) 260-3393.

> > > Preamble has not been included in this file. < < < <

For the reasons set out in the preamble, title 40, chapter I of the Code of Federal Regulations is amended as follows:

PART 264-STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

1. The authority citation for part 264 continues to read as follows:

Authority: 42 U.S.C. 6905, 6912(a), 6924 and 6925.

2. Appendix I is amended by revising Table 1 to paragraph (2) and Table 2 to paragraph (3) to read as follows:

# Appendix I to Part 264-Recordkeeping Instructions

\* \* \* \*

(2) \* \* \*

| Table 1                        |                   |
|--------------------------------|-------------------|
| Unit of measure                | Code <sup>1</sup> |
| 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: <sup>1</sup>Single digit symbols are used here for data processing purposes.

(3) \* \* \*

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)

### (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 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)

1. The authority citation for part 265 continues to read as follows:

Authority: 42 USC 6905, 6912(a), 6924 and 6925.

2. Appendix I is amended by revising Table 1 to paragraph (2) and revising Table 2 to paragraph (3) to read as follows:

Appendix I to Part 265-Recordkeeping Instructions

\* \* \* \* \*

(2) \* \* \*

| Table 1                        |                   |
|--------------------------------|-------------------|
| Unit of measure                | Code <sup>1</sup> |
| 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: <sup>1</sup>Single digit symbols are used here for data processing purposes.

(3) \* \* \*

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)

### (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 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)

---

[FR Doc. 94-6830 Filed 3-23-94; 8:45 am]  
BILLING CODE 6560-50-P