

Chapter NR 665

APPENDIX I

RECORDKEEPING INSTRUCTIONS

The recordkeeping provisions of s. NR 665.0073 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 s. NR 665.0073(2) for additional recordkeeping requirements.

The following information shall be recorded, as it 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 ch. NR 661 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 in subch. D of ch. NR 661, the description also shall include the process that produced it (for example, solid filter cake from production of \_\_\_\_, EPA hazardous waste number W051).

Each hazardous waste listed in subch. D of ch. NR 661, and each hazardous waste characteristic defined in subch. C of ch. NR 661, has a 4-digit EPA hazardous waste number assigned to it. 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.

(2) The estimated or manifest-reported weight, or volume and density, where applicable, in one of the units of measure specified in Table 1.

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

<sup>1</sup> Single digit symbols are used here for data processing purposes.

(3) The methods (by handling codes as specified in Table 2) and dates of treatment, storage or disposal.

Table 2  
Handling Codes for Treatment, Storage and Disposal Methods

Enter the following handling codes that most closely represent the techniques used at the facility to treat, store or dispose of each quantity of hazardous waste received:

(a) 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)

(b) Treatment

1. 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)
2. 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)

## 3. Physical Treatment—

## a. 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)

## b. 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)

## 4. 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)

## 5. 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 s. NR 660.10 (specify)

## 6. Other Treatment

T94.....Containment Building (Treatment)

## (c) Disposal

D79.....Underground Injection  
 D80.....Landfill  
 D82.....Ocean Disposal  
 D83.....Surface Impoundment (to be closed as a landfill)  
 D99.....Other Disposal (specify)

## (d) Miscellaneous (Subch. X)

X01.....Open Burning or Open Detonation  
 X02.....Mechanical Processing  
 X03.....Thermal Unit  
 X04.....Geologic Repository  
 X99.....Other Subch. X (specify)