# 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 [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 |
| 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 |

1 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)