

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)