

Chapter NR 664

APPENDIX I

RECORDKEEPING INSTRUCTIONS

The recordkeeping provisions of s. NR 664.0073 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 664.0073 (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)