

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
Pounds	P
Short tons	T
Kilograms	K
Tons	M

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

X01.Open Burning or Open Detonation

X02.Mechanical Processing

X03.Thermal Unit

X04.Geologic Repository

X99.Other (specify)