

## 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 <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

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T34	Other (specify)	T70	Anaerobic tank
3.	Physical Treatment—	T71	Composting
	a. Separation of components:	T72	Septic tank
T35	Centrifugation	T73	Spray irrigation
T36	Clarification	T74	Thickening filter
T37	Coagulation	T75	Trickling filter
T38	Decanting	T76	Waste stabilization pond
T39	Encapsulation	T77	Other (specify)
T40	Filtration	5.	Boilers and Industrial Furnaces
T41	Flocculation	T80	Boiler
T42	Flotation	T81	Cement Kiln
T43	Foaming	T82	Lime Kiln
T44	Sedimentation	T83	Aggregate Kiln
T45	Thickening	T84	Phosphate Kiln
T46	Ultrafiltration	T85	Coke Oven
T47	Other (specify)	T86	Blast Furnace
	b. Removal of Specific Components:	T87	Smelting, Melting or Refining Furnace
T48	Absorption-molecular sieve	T88	Titanium Dioxide Chloride Process Oxidation Reactor
T49	Activated carbon	T89	Methane Reforming Furnace
T50	Blending	T90	Pulping Liquor Recovery Furnace
T51	Catalysis	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid
T52	Crystallization	T92	Halogen Acid Furnaces
T53	Dialysis	T93	Other Industrial Furnaces Listed in s. NR 660.10 (specify)
T54	Distillation	6.	Other Treatment
T55	Electrodialysis	T94	Containment Building (Treatment)
T56	Electrolysis		(c) Disposal
T57	Evaporation	D79	Underground Injection
T58	High gradient magnetic separation	D80	Landfill
T59	Leaching	D82	Ocean Disposal
T60	Liquid ion exchange	D83	Surface Impoundment (to be closed as a landfill)
T61	Liquid-liquid extraction	D99	Other Disposal (specify)
T62	Reverse osmosis		(d) Miscellaneous (Subch. X)
T63	Solvent recovery	X01	Open Burning or Open Detonation
T64	Stripping	X02	Mechanical Processing
T65	Sand filter	X03	Thermal Unit
T66	Other (specify)	X04	Geologic Repository
4.	Biological Treatment	X99	Other Subch. X (specify)
T67	Activated sludge		
T68	Aerobic lagoon		
T69	Aerobic tank		