

## 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 <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
Pounds	P
Short tons	T
Kilograms	K
Tons	M

<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  
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)