

**Revisions to NR 600 Rules
NR 664/665/666/670**

WDNR

March 2007

NR 664

TSDF Standards

- Standards for licensed facilities
 - Subch. A - E **General facility standards**
Contingency plan, manifest, waste analysis, recordkeeping
 - Subch. F **Releases from SW management units**
 - Subch. G **Closure and long term care**
 - Subch. H **Financial Requirements**
 - Subch. I **Use and management of containers**
 - Subch. J **Tank systems**
 - Subch. K - N **Land disposal units**
 - Subch. O **Incinerators**

NR 664

TSDF Standards

- Standards for licensed facilities (continued)
 - Subch. S Corrective action management units
 - Subch. W Drip Pads
 - Subch. X Miscellaneous units
 - Subch. AA Air emission standards for process vents
 - Subch. BB Air emission standards for equipment leaks
 - Subch. CC Air emission standards for tanks, surface
 - Subch. DD Containment Buildings
 - Subch. EE Munitions and explosives storage

NR 664

Exemptions from TSDF Standards

- VSQG/Household waste collection facilities complying with NR 666 subch. HH
 - NR 664.0001(7)(a)2
- Wastewater treatment and elementary neutralization units
 - Unconditional exemption unless reactive or certain ignitable waste is diluted
 - NR 664.0001(7)(f)

NR 664

Exemptions from TSDF Standards

- Treatment or containment activities during immediate response NR 664.0001(7)(h)
 - Discharge or immediate threat
 - Explosives or munitions emergency response
 - Treatment or containment activities after immediate response are subject to standards
- Alternate requirements are stated for remediation waste management sites
 - NR 664.0001(10)

NR 664

TSDF Standards

- Manifest requirements
 - NR 664.0071(1)(d)
 - Within 30 days
 - **Send one copy to generator**
 - **Send one copy to WDNR in electronic format**
 - Will be 45 days in the new manifest rule language
 - If the TSDF receives waste from a WI VSQG, the generator must have an EPA ID number

NR 664

TSDF Standards

- Land treatment facilities
 - Subch. M NR 664.0270
 - Land treatment of hazardous waste is prohibited
 - Issuance of variances is prohibited

NR 664

TSDF Standards

- Hazardous waste munitions and explosives storage
 - Subch. EE NR 664.1200 – NR 664.1202
 - Store in
 - Earth covered magazines
 - Above ground magazines
 - Outdoor or open storage areas

NR 665

Standards for TSD Facilities

- Standards for interim licensed facilities
 - Standards may be different than NR 664
 - Miscellaneous units (NR 664 subch. X)
 - Thermal treatment (NR 665 subch. P)
 - Chemical, physical and biological treatment (NR 665 subch. Q)
 - Underground injection NR 665.0430 subch. R
 - Prohibited, except for contaminated groundwater generated by department approved remediation activities to clean up soil or groundwater

NR 666

Standards for Managing Specific HW and Specific Types of HW Facilities

- **Subch. C - Recyclable materials used in a manner constituting disposal**
- **Subch. F - Recyclable materials used for precious metal recovery**
- **Subch. G - Spent lead-acid batteries being reclaimed**
- **Subch. H - Hazardous waste burned in boilers and industrial furnaces**
- **Subch. M - Military munitions**
- **Subch. N - Conditional exemption for low-level mixed waste storage, treatment, transportation and disposal**
- **Subch. HH - Household and VSQG collection facilities**

NR 666

Recyclable Materials Used for Precious Metal Recovery

- Subch. F NR 666.070
- Applies to recyclable materials reclaimed to recover economically significant amounts of gold, silver, platinum, palladium, iridium, osmium, rhodium, ruthenium or any combination

NR 666

Recyclable Materials Used for Precious Metal Recovery

- Requirements for generators, transporters and storers NR 666.070
 - Notification requirements
 - Manifest requirements
- Storer maintains paperwork to show there is no speculative accumulation
 - If speculatively accumulating, storer is subject to the licensing standards in NR 664, 665 and 670

NR 666

Spent Lead-Acid Batteries Being Reclaimed

- Subch. G NR 666.080
- Requirements are basically the same
- Format of rule is a chart
 - User friendly format
 - **If you handle batteries in certain way, then you are subject to certain requirements**

NR 666

Hazardous Waste Burned in Boilers and Industrial Furnaces

- Subch. H NR 666.100 – 666.112
- Standards do not apply if in compliance with the air program MACT standards
 - NR 666.100(2)
- Conditional exemption for metal recovery units
 - NR 666.100(4)
 - Mercury retort operations

NR 666

Military Munitions

- Subch. M NR 666.200 – NR 666.206
- Military munition is not a solid waste if it is
 - Used for its intended purpose
 - Unused munition
 - **Except if activity constitutes disposal or burning for energy recovery NR 666.202(1)**
- Defines when unused military munition is a solid waste
 - Declared a solid waste by military personnel
 - Deteriorated or damaged so it can't be used

NR 666

Conditional Exemption for Low-Level Mixed Waste

- Subch. N NR 666.210 – 666.360
- Conditionally exempts waste from definition of hazardous waste if certain management standards are met
 - Overlaps with Nuclear Regulatory Commission (NRC) requirements
 - Department of Health & Family Services (DHFS) is the primary state agency regulating radioactive waste

NR 666 Subch HH

Household and VSQG Hazardous Waste Collection Facilities

- Submit notification form instead of operation manual (new facilities)
- Temporary facilities
 - Collect or store waste for up to five days
 - **NR 666.901(6)**
- Permanent facilities
 - Store waste up to one year **NR 666.903(3)**
 - Can not exceed 240,000 lbs **NR 666.902(2)**
 - Provide financial responsibility for closure if storing > 80,000 lbs
 - **NR 666.910**

NR 670

Licensing Procedures

- Subch. A - General Information
- Subch. B - License Application
- Subch. C - License Conditions
- Subch. D - Changes to Licenses
- Subch. E - Expiration and Continuation of Licenses
- Subch. F - Special Forms of Licenses
- Subch. G - Interim Licenses

NR 670

Licensing Procedures

- Subch. H - Remediation Variances
- Subch. I - Integration with MACT Standards
- Subch. L - General Decisionmaking Procedures
- Subch. M - Specific Decisionmaking Procedures
- Appendix I - Classification of license modification
- Appendix II - Hazardous waste fee table

NR 670

Licensing Procedures

- "License" means an approval issued by the department under this chapter that grants the licensee permission to operate a hazardous waste treatment, storage or disposal facility. "License" includes an operating license, interim license and emergency license.
 - NR 670.0002(14)

NR 670

Licensing Procedures

- License application
 - Part A
 - **For interim license, only Part A is submitted**
 - Documents at facility for review
 - Feasibility and plan of operation report
 - **General requirements NR 670.014**
 - **Specific requirements NR 670.015 – NR 670.028**

NR 670

Licensing Procedures

- Class 1 license modifications NR 670.042(1)
 - **Some class 1 modifications do not require DNR approval**
 - **Example: updating emergency coordinator list**
- Class 2 license modifications NR 670.042(2)
- Class 3 license modifications NR 670.042(3)
- Facility assumes some public notice responsibilities

NR 670

Licensing Procedures

- Special forms of licenses
 - Emergency licenses NR 670.061
 - **Same as Waiver requirements in current rule**
 - Incinerator/BIF licenses
NR 670.062/670.066
 - **DNR may apply these provisions to collect information for license conditions on a case-by-case basis**
 - **Trial burn results establish license conditions**

NR 670

Licensing Procedures

- Special forms of licenses
 - Research, development and demonstration license NR 670.065
 - **Treatment facility proposes an innovative and experimental treatment technology or process for which license standards have not been promulgated**
 - **Allows receipt and treatment of waste to determine performance capabilities of technology**
 - **Issued for one year; can be renewed**
 - **Immediate termination, if necessary, to protect human health or the environment**

NR 670

Licensing Procedures

- Remediation variances
 - Subch. H NR 670.079
 - Variance from the licensing requirements in s. 291.25, Stats.
 - **If license causes undue or unreasonable hardship**
 - **Remediation variance does not result in undue harm to human health or the environment**
 - **Requires 30 day public notice period**

Fees

- Chapter NR 670 Appendix II
- Includes fee increases for:
 - Facility plan review and licensing
 - Manifests
 - **Increase from \$2 to \$6 per manifest**
 - Transportation license
 - **Increase from \$300 to \$400 base fee**
- Most represent 3% increase/year since 1994

Revisions to NR 600 Rules NR 664/665/666/670

Questions

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