

## **7045.0642 CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT FACILITIES.**

Subpart 1. **Scope.** This part applies to owners and operators of facilities which treat hazardous waste by chemical, physical, or biological methods in other than tanks, surface impoundments, and land treatment facilities, except as part 7045.0552 provides otherwise. Chemical, physical, and biological treatment of hazardous waste in tanks, surface impoundments, and land treatment facilities must be conducted in accordance with parts 7045.0628, 7045.0630, and 7045.0634, respectively.

Subp. 2. **General operating requirements.** Chemical, physical, or biological treatment of hazardous waste must comply with part 7045.0562, subpart 2.

Hazardous wastes or treatment reagents must not be placed in the treatment process or equipment if they could cause the treatment process or equipment to rupture, leak, corrode, or otherwise fail before the end of its intended life.

Where hazardous waste is continuously fed into a treatment process or equipment, the process or equipment must be equipped with a means to stop this inflow including such items as a waste feed cutoff system or bypass system to a standby containment device.

Subp. 3. **Waste analysis and trial tests.** Whenever a hazardous waste which is substantially different from waste previously treated in a treatment process or equipment at the facility is to be treated in a treatment process or equipment at the facility or a process which is substantially different than any process previously used at the facility is to be used to chemically treat hazardous waste at the facility, the owner or operator shall comply with the requirements of item A or B before treating the different waste or using the different process or equipment:

A. conduct waste analyses and trial treatment tests; and

B. obtain written, documented information on similar treatment of similar waste under similar operating conditions to show that this proposed treatment will meet all applicable requirements of subpart 2.

As required by part 7045.0564, the waste analysis plan must include analyses needed to comply with subparts 6 and 7. As required by part 7045.0584, the owner or operator shall place the results from each waste analysis and trial test, or the documented information, in the operating record of the facility.

Subp. 4. **Inspections.** The owner or operator of a treatment facility shall inspect, where present:

A. discharge control and safety equipment at least once each operating day, to ensure that it is in good working order;

B. data gathered from monitoring equipment at least once each operating day, to ensure that the treatment process or equipment is being operated according to its design;

C. the construction materials of the treatment process or equipment, at least weekly, to detect corrosion or leaking of fixtures or seams; and

D. the construction materials of, and the area immediately surrounding, discharge confinement structures at least weekly, to detect erosion or obvious signs of leakage. As required by part 7045.0556, subpart 5, the owner or operator shall remedy any deterioration or malfunction this person finds.

Subp. 5. **Closure.** At closure, all hazardous waste and hazardous waste residues must be removed from treatment processes or equipment, discharge control equipment, and discharge confinement structures. At closure, as throughout the operating period, unless the owner or operator can demonstrate that any waste removed from the treatment process or equipment is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements of parts 7045.0205 to 7045.1030.

Subp. 6. **Special requirements for ignitable or reactive waste.** Ignitable or reactive waste must not be placed in a treatment process or equipment unless the requirements of item A or B are met:

A. the waste is treated, rendered, or mixed before or immediately after placement in the treatment process or equipment so that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under parts 7045.0131, subpart 2 or 5; and 7045.0562, subpart 2 is complied with; or

B. the waste is treated in such a way that it is protected from any material or conditions which may cause the waste to ignite or react.

Subp. 7. **Special requirements for incompatible wastes.** Incompatible wastes, or incompatible wastes and materials must not be placed in the same treatment process or equipment unless part 7045.0562, subpart 2 is complied with.

Hazardous waste must not be placed in unwashed treatment equipment which previously held an incompatible waste or material unless part 7045.0562, subpart 2 is complied with.

**Statutory Authority:** *MS s 116.07*

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