

7001.0640 ADDITIONAL PART B INFORMATION REQUIREMENTS FOR SURFACE IMPOUNDMENTS, WASTE PILES, LAND TREATMENT UNITS, AND LANDFILLS.

Subpart 1. **Groundwater protection.** The additional information designated in items A to H regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing surface impoundments, waste piles, land treatment units, and landfills, except as otherwise provided in part 7045.0484, subpart 1, item B, and must be submitted with Part B of the permit application. The following information is in addition to the information requirements of parts 7001.0560, 7001.0590, 7001.0600, 7001.0610, and 7001.0620:

A. A summary of the groundwater monitoring data obtained during the interim status period under parts 7045.0590 and 7045.0592, if applicable.

B. Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including groundwater flow directions and rates, and the basis for the identification, such as the information being obtained from hydrogeologic investigations of the facility area.

C. On the topographic map required under part 7001.0560, item R, a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined under part 7045.0484, subpart 9, the proposed location of groundwater monitoring wells as required under part 7045.0484, subpart 11, and, to the extent possible, the information required in item B.

D. A description of any plume of contamination that has entered the groundwater from a regulated unit at the time that the application is submitted that:

(1) delineates the extent of the plume on the topographic map required under part 7001.0560, item R; and

(2) identifies the concentration of each constituent listed in part 7045.0143 throughout the plume or identifies the maximum concentrations of each such constituent in the plume. The commissioner may require this information on additional constituents if waste managed at the facility has met the characteristic of lethality as defined in part 7045.0131, subpart 6.

E. Detailed plans and an engineering report describing the proposed groundwater monitoring program to be implemented to meet the requirements of part 7045.0484, subpart 11.

F. Sufficient information, supporting data, and analyses to establish a detection monitoring program that meets the requirements of part 7045.0484, subpart 12, including:

- (1) a proposed list of monitoring parameters that complies with the requirements of part 7045.0484, subpart 12, item A or E, whichever is applicable;
- (2) a proposed groundwater monitoring system;
- (3) background values for each proposed monitoring parameter or constituent, or procedures to calculate such values; and
- (4) a description of proposed sampling, analysis, and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

G. Sufficient information, supporting data, and analyses to establish a compliance monitoring program that meets the requirements of part 7045.0484, subpart 13, including:

- (1) a description of the wastes previously handled at the facility, if applicable;
- (2) if the presence of hazardous constituents has been detected in the groundwater at the point of compliance at the time of permit application, a characterization of the contaminated groundwater including concentrations of hazardous constituents;
- (3) a list of hazardous constituents for which compliance monitoring will be undertaken in accordance with part 7045.0484, subparts 11 and 13;
- (4) proposed concentration limits for each hazardous constituent, based on the criteria set forth in part 7045.0484, subpart 6, including a justification for establishing alternate concentration limits in accordance with part 7045.0484, subpart 7;
- (5) detailed plans and an engineering report describing the proposed groundwater monitoring system, in accordance with the requirements of part 7045.0484, subpart 11; and
- (6) a description of proposed sampling, analysis, and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

H. For each solid waste management unit at a facility seeking a permit:

- (1) designate the location of the unit on the topographic map required under part 7001.0560, item R;
- (2) designate the type of unit;
- (3) provide the general dimensions and a structural description and supply any available drawings;
- (4) specify when the unit was operated;

(5) specify all of the wastes that have been managed at the unit, to the extent available;

(6) submit all available information pertaining to any release of hazardous wastes or hazardous constituents from each solid waste management unit at the facility; and

(7) conduct and provide the results of sampling and analysis of groundwater, land surface and subsurface strata, surface water, or air, which may include the installation of wells, where the commissioner determines it is necessary to complete a facility assessment that will determine if a more complete investigation is necessary.

Subp. 2. **Corrective action program.** The owner or operator of a hazardous waste surface impoundment, waste pile, land treatment unit, or landfill shall submit to the commissioner with Part B of the permit application sufficient information, supporting data, and analyses to establish a corrective action program that meets the requirements of part 7045.0484, subpart 14. The submittal must demonstrate that corrective action is feasible if the groundwater protection standard is exceeded. To demonstrate compliance with part 7045.0484, subpart 14, the owner or operator shall address the following items:

A. a characterization of any contaminated groundwater, including concentrations of hazardous constituents;

B. the concentration limit for each hazardous constituent as set forth in part 7045.0484, subparts 6 and 7;

C. detailed plans and an engineering report describing the corrective action to be taken;

D. a description of how the groundwater monitoring program will assess the adequacy of the corrective action;

E. an estimate of the time which may be necessary to complete corrective action; and

F. an estimate of the cost for completing such corrective action.

The permit may contain a schedule for submittal of the information required in items C and D if the owner or operator obtains written authorization from the commissioner before submitting the complete permit application.

Statutory Authority: *MS s 116.07*

History: *8 SR 2276; L 1987 c 186 s 15; 13 SR 577; 13 SR 2761; 15 SR 1878*

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