

7849.0320 GENERATING FACILITIES.

The applicant shall provide the following information for each alternative that would involve construction of an LEGF:

A. the estimated range of land requirements for the facility with a discussion of assumptions on land requirements for water storage, cooling systems, and solid waste storage;

B. the estimated amount of vehicular, rail, and barge traffic generated by construction and operation of the facility;

C. for fossil-fueled facilities:

(1) the expected regional sources of fuel for the facility;

(2) the typical fuel requirement (in tons per hour, gallons per hour, or thousands of cubic feet per hour) during operation at rated capacity and the expected annual fuel requirement at the expected capacity factor;

(3) the expected rate of heat input for the facility in Btu per hour during operation at rated capacity;

(4) the typical range of the heat value of the fuel (in Btu per pound, Btu per gallon, or Btu per 1,000 cubic feet) and the typical average heat value of the fuel; and

(5) the typical ranges of sulfur, ash, and moisture content of the fuel;

D. for fossil fueled facilities:

(1) the estimated range of trace element emissions and the maximum emissions of sulfur dioxide, nitrogen oxides, and particulates in pounds per hour during operation at rated capacity; and

(2) the estimated range of maximum contributions to 24-hour average ground level concentrations at specified distances from the stack of sulfur dioxide, nitrogen oxides, and particulates in micrograms per cubic meter during operation at rated capacity and assuming generalized worst-case meteorological conditions;

E. water use by the facility for alternate cooling systems, including:

(1) the estimated maximum use, including the groundwater pumping rate in gallons per minute and surface water appropriation in cubic feet per second;

(2) the estimated groundwater appropriation in million gallons per year; and

(3) the annual consumption in acre-feet;

F. the potential sources and types of discharges to water attributable to operation of the facility;

G. radioactive releases, including:

(1) for nuclear facilities, the typical types and amounts of radionuclides released by the facility in curies per year for alternate facility designs and levels of waste treatment; and

(2) for fossil-fueled facilities, the estimated range of radioactivity released by the facility in curies per year;

H. the potential types and quantities of solid wastes produced by the facility in tons per year at the expected capacity factor;

I. the potential sources and types of audible noise attributable to operation of the facility;

J. the estimated work force required for construction and operation of the facility;
and

K. the minimum number and size of transmission facilities required to provide a reliable outlet for the generating facility.

Statutory Authority: *MS s 216B.08; 216B.2421; 216B.243; 216C.10*

History: *L 1983 c 289 s 115*

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