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SUBCHAPTER 18. MAJOR NUCLEAR FACILITIES

7:28-18.1 Scope

- (a) The special requirements of this Subchapter shall apply to major nuclear facilities including nuclear reactors, nuclear fuel fabrication plants, nuclear fuel reprocessing plants, and nuclear waste handling or disposal facilities.
- (b) These requirements are in addition to the requirements of other applicable Sections of this Chapter.
- (c) The intent of this Section is to insure that individuals outside of these facilities receive no radiation exposures from environmental or direct radiation that are in excess of the limits of Sections 6.1 (Exposure of individuals in controlled areas) and 6.2 (Radiation levels outside controlled areas) of this Chapter.

7:28-18.2 Facility description and required monitoring program

- (a) Any person desiring to construct a major nuclear facility within this State shall submit a general description of the proposed facility with a discussion of probable and maximum potential radioactive discharges. This description shall be submitted to the Department for evaluation, as early as possible, but not less than six months prior to the start of construction, and shall include the following:
 - 1. A general description of the proposed facility;
 - 2. The nature of and the proposed rates of discharge of radioactive contaminants to the environment and/or the nature of and amounts of radioactive materials subject to temporary or permanent storage;
 - 3. The proposed methods of limiting the discharge of radioactive contaminants to the atmosphere;
 - 4. The proposed methods of limiting the discharge of radioactive contaminants to ground or surface waters;
 - 5. The proposed methods of disposal of radioactive or radioactively contaminated materials; and
 - 6. Preliminary description of the proposed radiological monitoring program.

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- (b) As used in this section, the term "construction" includes pouring the foundation for, or the installation of, any portion of the permanent facility on the site, but does not include the following:
1. Site exploration, site excavation, preparation of the site for construction of the facility, including the driving of piles, and construction of roadways, railroad spurs, and transmission lines;
 2. Procurement or manufacture of components of the facility; or
 3. Construction of non-nuclear facilities (such as construction equipment storage sheds) for use in connection with the construction of the facility.
- (c) Any person desiring to operate a major nuclear facility within this State shall develop an adequate program of radiological monitoring consistent with the hazard from actual or potential discharges. The proposed program shall be submitted to the Department for evaluation as to its adequacy as early as possible but at least six months prior to the start of operation. The proposed radiological monitoring program shall include revised statements of the information required in (a) and (b) above, and it shall also include:
1. An analysis of the ability of the in-facility effluent monitoring system to measure the quantities and kinds of radioactive materials discharged under normal and under accident conditions;
 2. An analysis of the ability to predict the effect of such releases on environmental contamination and radiation levels; and
 3. A description of the off-site environmental monitoring system, if any, with the kinds of instruments, their sensitivity, and use.

7:28-18.3 Operation

- (a) The owner of an existing major nuclear facility shall submit the information required in N.J.A.C. 7:28-18.2(c) (Facility description and required monitoring program) within one month of March 1, 1969, if he has not already done the effective equivalent of this.
- (b) Operation of a major nuclear facility and its monitoring program shall be consistent with all provisions of this Chapter.

7:28-18.4 Emergency plans

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The owner of every major nuclear facility shall make emergency operational plans in accordance with N.J.A.C. 7:28-1.5 (Emergency precautions). These plans shall be submitted to the Department prior to the start of operation.

7:28-18.5 Radiation incidents

The owner of every major nuclear facility shall report any radiation incident in accordance with N.J.A.C. 7:28-13 (Reports of Theft and Radiation Incidents).