

GENERAL INFORMATION

1.1 FACILITY AND PROCESS DESCRIPTION

1.1.1 PURPOSE OF REVIEW

The purpose of this review is to establish that the license application (or application for license renewal or amendment) includes an overview of the applicant's facility layout and a summary description of its manufacturing processes. This overview should be of sufficient detail to be used by all reviewers, NRC managers, and the general public to understand the purpose of the facility and its processes. A more detailed description of the facility and its manufacturing processes should be contained in the applicant's integrated safety analysis (ISA) summary.

1.1.2 RESPONSIBILITY FOR REVIEW

Primary: Licensing Project Manager

Secondary: TWRS Site Representative

Supporting: None

1.1.3 AREAS OF REVIEW

The staff should review the general facility description and process descriptions provided in the application. These descriptions should include (1) scaled drawings showing the locations of facility buildings and other major structures, hazardous materials storage areas, on-site roadways, railroad spurs or sidings, and major ingress and egress routes for the site, (2) the proximity of the facility buildings to the site boundary, nearby populations, and within the facility controlled area, (3) a text index with titles that are descriptive of the purpose of each feature, (4) the interrelationships of the features, (5) the relationship of facility features to site features, and (6) a narrative description of the flow of licensed material through the facilities manufacturing process. This information should be consistent with that presented in the applicant's ISA summary and with the applicant's information provided in response to the Environmental Protection and Emergency Management chapters of this SRP.

1.1.4 ACCEPTANCE CRITERIA

1.1.4.1 Regulatory Requirements

The regulations applicable to the areas of review in this SRP are 10 CFR 70.22, "Contents of Applications," § 70.60, "Applicability," § 70.61(f), "Performance Requirements."

1.1.4.2 Regulatory Guidance

General Information

There are no regulatory guides that apply to a general facility description for a new facility licensed under 10 CFR Part 70.

1.1.4.3 Regulatory Acceptance Criteria

The applicant's presentation of general information should be considered acceptable if the applicant meets the following Acceptance Criteria:

1. The application presents the facility and process description at a level of detail appropriate to understand the purpose of the facility and processes and the general layout of the facility.
2. The application presents a summary of the facility information contained in the applicant's ISA Summary. This includes descriptions of the overall plant layout on scaled drawings, including site geographical features, and plant structural features such as buildings, towers, and tanks and transportation right of ways. The relationship of specific facility features to the major processes that will be ongoing at the facility is described.
3. The major chemical or mechanical processes involving special nuclear material (SNM) to be licensed are described in summary form and the summary is consistent with information contained in the applicant's ISA Summary. This description should include reference to the building locations of major components of the processes; brief descriptions of the process steps; the chemical forms of SNM in process; the maximum amounts of SNM in process expected in various building locations; and the types, amounts, and discharge points of waste materials discharged to the environment from the processes.

1.1.5 REVIEW PROCEDURES

1.1.5.1 Acceptance Review

The primary reviewer should evaluate the application to determine whether it addresses the "Areas of Review" discussed in Section 1.1.3. If significant deficiencies are identified, the applicant should be requested to submit additional material before the start of the safety evaluation.

1.1.5.2 Safety Evaluation

After the application is determined to be acceptable for review in accordance with Section 1.1.5.1, the primary reviewer should perform a safety evaluation against the regulatory acceptance criteria described in Section 1.1.4.3. The material to be reviewed is informational in nature, and no technical analysis should be required. The information provided in this section is only used as background for the more detailed descriptions in later sections of the application. Therefore, the primary reviewer should only confirm that the descriptive information presented is of sufficient detail to adequately understand the applicant's layout and processes and that the

information is consistent with the information presented in the applicant's ISA Summary. The primary reviewer should document the evaluation as described in Section 1.1.6.

The TWRS Site Representative should also confirm that the information presented in this section is consistent with the as-built facilities (for existing facilities) and current operational practices. The TWRS Site Representative should report any findings to the primary reviewer.

1.1.6 EVALUATION FINDINGS

After completing the evaluation of material in response to this section, the primary reviewer should write an SER section addressing each topic reviewed under this SRP Section and explain why the NRC staff has reasonable assurance that the facility and process description is acceptable. The SER section should include a summary statement of what was evaluated and the basis for the reviewers' conclusions. License conditions may also be proposed in this SER section to impose requirements where the application is deficient.

The staff can document the evaluation as follows:

The staff has reviewed the general facility description for [name of facility] according to the Standard Review Plan Section 1.1. [Insert a summary statement of what was evaluated and why the reviewer finds the submittal acceptable.] The applicant has adequately described (1) the facility and processes so that the staff has an overall understanding of the relationships of the facility features and (2) the function of each feature. The applicant has cross-referenced its general description with the more detailed descriptions elsewhere in the application. The staff concludes that the applicant has complied with the general requirements to provide general information in the application in accordance with 10 CFR 70.22, "Contents of Applications," § 70.60, "Applicability," and § 70.61(f), "Performance Requirements."

1.1.7 REFERENCES

1. Code of Federal Regulations, *Title 10, Energy*, Part 70, "Domestic Licensing of Special Nuclear Material."
2. Nuclear Regulatory Commission (U.S.), Washington, D.C. "Domestic Licensing of Special Nuclear Material (10 CFR Part 70)." *Federal Register*: Vol. 64, No. 146. pp. 41338--41357. July 30, 1999.