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**COMPLIANCE DETERMINATION METHOD FOR REVIEW PLAN NO. 4.1.3
DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS:
UNDERGROUND FACILITY**

3.0 REVIEW PROCEDURES AND ACCEPTANCE CRITERIA

3.1 Acceptance Review

In conducting the *Acceptance Review* for docketing, the staff will compare the information in the license application (LA) concerning the underground facility with the corresponding section of the Format and Content Regulatory Guide (FCRG) and with the staff's resolution status of objections to the LA submitted in the Open Item Tracking System (OITS) and determine if this information meets the following Criteria.

- (1) The information presented in the LA is clear, is completely documented consistent with the level of detail presented in the corresponding section of the FCRG, and the proper references have been provided.
- (2) DOE has either resolved, at the staff level, the NRC objections that apply to this regulatory requirement topic, or provided the information requested in Section 1.6 of the FCRG for unresolved objections, namely, DOE has:
 - Identified all unresolved objections
 - Explained the differences between NRC and DOE positions that precluded resolution of each objection
 - Described all attempts to achieve resolution
 - Explained why resolution has not been achieved
 - Described the effects of the different positions on demonstrating compliance with 10 CFR Part 60
- (3) In addition, unresolved objections, individually or in combination with others, will not prevent the reviewer from conducting a meaningful *Compliance Review* or the Commission from making a decision regarding construction authorization within the 3-yr statutory period.

3.2 Compliance Reviews

The compliance determination undertaken by the NRC staff will consider whether the Acceptance Criteria specified for the following *Compliance Review* have been met. Results of the compliance determination should be documented by the staff to provide the basis for *Actual Evaluation Findings* (AEF) in the Safety Evaluation Report (SER).

3.2.1 Safety Review of 10 CFR 60.21(c)(1)(i),(2),(3),(9),(11), and (12)

The staff's *Compliance Review* will be conducted to determine the adequacy of the descriptive information required by the applicable regulatory requirements of 10 CFR 60.21(c), listed in Section 1.0 of this

Review Plan, for the underground facility design and performance assessment. First, the entire section of the LA will be read to obtain an overall understanding of how the DOE has presented its information on the many individual aspects of the underground facility and how this information has been integrated. Second, after the staff has conducted each of the *Compliance Reviews* for those sections of the LA identified in Section 4.2, the individual AEFs from these reviews will be considered on balance to determine whether the following Acceptance Criterion has been met.

- The descriptive information for the underground facility provides an acceptable basis for the associated assessments (underground facility design and performance assessment) that rely on this information.

3.3 Rationale for Review Procedures and Acceptance Criteria

3.3.1 Rationale for Safety Review of 10 CFR 60.21(c)

The information presented in the description of the underground facility must be reviewed in the context of whether it supports the findings that must be made in those design assessment reviews that make use of the descriptive information. Therefore, the review procedure requires the reviewer to examine the AEFs from those design assessment reviews prior to making a conclusion as to the adequacy of the descriptive material.

4.0 IMPLEMENTATION

4.1 Review Responsibilities

The review responsibilities for this review plan are identified in the following table.

<i>Lead:</i>	NMSS-DWM-ENGB-GES
<i>Support:</i>	NMSS-DWM-ENGB-GEO NMSS-DWM-ENGB-EMS NMSS-DWM-PAHB-PAHP NMSS-DWM-PAHB-HTS

4.2 Interfaces

4.2.1 Input Information

Information needed from other sections of the LA that will provide important input to this Review Plan is listed in the following table.

<i>Input Information</i>	<i>Review Plan No.</i>
Geotechnical information on subsurface and environmental conditions, such as design basis events, stratigraphy and physical and strength parameters, and design parameters for the materials in the underground facility—required for the description of the GROA (underground facility).	3.1.X Description of Individual Systems and Characteristics of Site

4.2.2 Output Information

Information from this section of the LA that will be important to other Review Plans is listed in the following table.

<i>Output Information</i>	<i>Review Plan No.</i>
Identification and description of structures systems and components at the interface between the underground facility and the shafts, ramps, and boreholes.	4.1.5 Description of GROA Structures, Systems, and Components: Interfaces Between Structures, Systems, and Components
Description of all Structure, Systems, and Components (SSCs) of the underground facility. The scope of the description, as a minimum, should include Items 1 through 5 listed in Section 2.1 of this review plan.	4.4 Assessment of Compliance with Design Criteria for the Underground Facility
Description of the underground facility, which includes design information on the SSCs intended for radiation protection.	4.5.1 Protection Against Radiation Exposure and Releases of Radioactive Materials to Unrestricted Areas
Description of the underground facility which includes information on the plans and provisions in the design to address how the retrievability requirement of the regulation is complied with.	4.5.2 Retrievability of Waste
Information on general description and functions of the underground facility that is required for developing plans for conduct of normal activities in the underground portion of the GROA.	7.1 Plans for Conduct of Normal Activities

5.0 EXAMPLE EVALUATION FINDINGS

The staff should consider the *Example Evaluation Findings* presented below together with the Acceptance Criteria set forth in Section 3.0 when making the AEFs resulting from the *Acceptance Review* for docketing and the Compliance Reviews. The AEFs resulting from *Compliance Reviews*, and the supporting basis for these findings, should be documented by the staff in the SER.

5.1 Finding for Acceptance Review

The NRC staff finds that the descriptive information presented by the DOE on the underground facility, as defined by the applicable 10 CFR Part 60 regulatory requirements, is acceptable (not acceptable) for docketing and subsequent *Compliance Review*.

5.2 Findings for Compliance Reviews

5.2.1 Finding for 10 CFR 60.21(c)

The NRC staff finds the information for descriptions, assessments, and analyses is adequate (not adequate), and there is (is not) reasonable assurance the applicable regulatory requirements of 10 CFR 60.21(c), listed in Section 1.0 of this Review Plan, will be met for the underground facility.

6.0 REFERENCES

Nuclear Regulatory Commission. 1990. *Format and Contents for the License Application for the High-Level Waste Repository*. Draft Regulatory Guide DG-3003. Washington, DC: Nuclear Regulatory Commission.