

November 20, 1998

Mr. William R. McCollum, Jr.
Vice President, Oconee Nuclear Site
Duke Energy Corporation
P. O. Box 1439
Seneca, SC 29679

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3, LICENSE RENEWAL
APPLICATION

Dear Mr. McCollum:

By letter dated July 6, 1998, Duke Energy Corporation (Duke) submitted for the U.S. Nuclear Regulatory Commission's (NRC's) review an application pursuant to 10 CFR Part 54, to renew the operating licenses for the Oconee Nuclear Station (Oconee), Units 1, 2, and 3. Exhibit A to the application is the Oconee Nuclear Station License Renewal Technical Information Report (OLRP-1001), which contains the technical information required by 10 CFR Part 54. The NRC staff is reviewing the information contained in OLRP-1001 and has identified, in the enclosure, areas where additional information is needed to complete its review. Specifically, the enclosed questions are from the Plant Systems Branch regarding Section 2.5.13 of OLRP-1001.

Please provide a schedule by letter, electronic mail, or telephonically for the submittal of your responses within 30 days of the receipt of this letter. Additionally, the staff would be willing to meet with Duke prior to the submittal of the responses to provide clarifications of the staff's requests for additional information.

Sincerely,

original signed by:

Joseph M. Sebrosky, Project Manager
License Renewal Project Directorate
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270,
and 50-287

Enclosure: Request for Additional Information

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REQUEST FOR ADDITIONAL INFORMATION
OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3
LICENSE RENEWAL APPLICATION, EXHIBIT A

OLRP-1001 Section No.

2.5.13 Keowee Hydroelectric Station

- 2.5.13-1 Section 2.5.13 states that the license renewal flow diagrams listed in Table 2.5-22 show the evaluation boundaries for the portions of the Keowee systems that are within the scope of license renewal. Further, it states that the mechanical components and their intended functions for the systems in this section are identified in Table 2.5-23.

In a conference call on November 3, 1998, Duke Energy stated that the components subject to aging management review (AMR) are listed in Table 2.5-23. In the scoping process, it is important to be able to distinguish between the components that are within the scope of license renewal (in accordance with 10 CFR 54.4) and a subset of components that are subject to AMR (in accordance with 10 CFR 54.21) (i.e., those that are long-lived and perform an intended function without moving parts or change in configuration or properties). However, it is not clear from the statement in Section 2.5.13, describing Table 2.5-23, whether the components listed in Table 2.5-23 are within the scope of license renewal or those specifically subject to AMR. Commensurate with the items discussed in the conference call on November 3, 1998, clarify and confirm that the components listed in Table 2.5-23 are those subject to AMR. This comment also applies to the other sections of Chapter 2 (i.e., clarify that structures and components contained in Chapter 2 tables, consistent with the RAI above regarding Table 2.5-23, are subject to AMR).

- 2.5.13-2 a. The Keowee Hydroelectric Station provides a unique emergency power source for Oconee. However, the description of Keowee in the application does not discuss the major components that are necessary for the generation of the emergency power in sufficient detail for the staff to determine whether the appropriate structures and components have been included in the scope of license renewal. Describe in more detail the major components relied upon for the generation of emergency power (for example, the turbine, turbine housing, associated piping, pumps, valves, the generator, synchronizing equipment generator output breakers, control circuitry, protective relaying, the exciter/voltage regulator, and auxiliary power for Keowee Hydroelectric Station) and whether Duke determined these components to be within the scope of license renewal in accordance with 10 CFR 54.4. Otherwise, provide justification of why those components are excluded from the scope of license renewal.
- b. In the conference call on November 3, 1998, the licensee indicated that certain Keowee Hydroelectric Station components were determined not to be subject to an AMR. Therefore, the licensee concluded that those components do not need to be addressed in OLRP-1001. For those structures and components determined to be within the scope of license renewal for the Keowee Hydroelectric Station discuss the conclusions reached on whether an AMR

should be performed. For example, OLRP-1001 does not address the turbine in the description of Keowee and the flow diagrams listed in Table 2.5-22 do not include the turbine. The staff believes that the turbine is within the scope of license renewal and the turbine casing should be subject to AMR. Therefore, discuss if the turbine is within the scope of license renewal and provide the rationale for excluding the turbine casing from the AMR.

- 2.5.13-3 In Drawing No. KLRFD-105A-1.1 (Governor Oil System), the component of governor (Location F14) is highlighted in blue as being within the scope of license renewal. However, in Table 2.5-23, "Components of Keowee Hydroelectric Station Systems and Their Intended Functions," the "governor" is not included. Provide the bases for excluding it.