

December 18, 1996

Duke Power Company
ATTN: Mr. J. W. Hampton
Vice President
Oconee Site
P. O. Box 1439
Seneca, SC 29679

Gentlemen:

SUBJECT: OCONEE MEETING SUMMARY AND REQUEST FOR INFORMATION

This refers to the December 12, 1996, meeting held onsite to discuss overall objectives, scope, and safety aspects of the proposed Oconee Emergency Power and Engineered Safeguards Functional Test scheduled for early January 1997. The integrated testing should demonstrate that current testing and design analysis provide a high level of confidence that the Oconee emergency power system can perform its intended safety function as discussed in your letter to the NRC dated November 21, 1996. A list of attendees is included as Enclosure 1.

NRC review of the draft test procedure focused on three major areas:

1. Test scope and objectives relative to electrical systems issues discussed in NRC draft reports which were attached to a letter dated July 8, 1996. The review included potential effects on equipment performance and reliability.
2. Procedure acceptance criteria adequacy based on test scope and objectives.
3. Contingency plans for emergencies or abnormal occurrences which may occur during the conduct of testing. The review included considerations of shutdown risks and decay heat removal during testing.

The NRC requests that additional information be provided for the items listed in Enclosure 2. The NRC staff understands that you intend to address these issues during final development of test procedures. Accordingly, please respond to this letter in such time to permit the NRC staff four working days to review the information before the test is conducted.

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We concluded the meeting was a useful exchange of information between the NRC staff and licensee technical personnel.

Sincerely,

Original signed by:

Ellis W. Merschoff, Director
Division of Reactor Projects

Docket Nos. 50-269, 50-270, 50-287
License Nos. DPR-38, DPR-47, DPR-55

Enclosures:

1. List of Attendees
2. Request for Additional Information

cc w/encls:

Mr. J. E. Burchfield
Compliance
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Seneca, SC 29679

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Duke Power Company
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Mr. Robert P. Gruber
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Framatome Technologies
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cc w/encls cont'd: (See page 3)

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 N. C. Department of Environmental
 Health & Natural Resources
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NRC Resident Inspector
 U.S. Nuclear Regulatory Commission
 78128 Rochester Highway
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Mr. Max Batavia, Chief
 Bureau of Radiological Health
 South Carolina Department of Health
 and Environmental Control
 2600 Bull Street
 Columbia, SC 29201

County Supervisor of
 Oconee County
 Walhalla, SC 29621

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 Duke Power Company
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Ms. Karen E. Long
 Assistant Attorney General
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Distribution w/encls:

D. LaBarge, NRR
 R. Carroll, RII
 R. V. Crlenjak, RII
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 PUBLIC

OFFICE	RII:DRP	RII:DRS	915			
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LIST OF ATTENDEES

MEETING ATTENDEES:

Bill Foster, Oconee Nuclear Station (ONS), Safety Assurance (SA)
Clark Curry, ONS
Todd Grant, ONS, Electrical Systems and Equipment (ESE)
Khin Chea, Nuclear Assessment and Issues Division (NAID)
Terry Ledford, ONS, ESE
Leonard Wert, Acting Branch Chief, NRC, Region II (RII)
William Holland, NRC, RII, Division of Reactor Safety (DRS)
Paul Harmon, NRC, RII, DRS
Ed Burchfield, ONS, Regulatory Compliance (RGC)
Michael Bailey, ONS, RGC
Beau Abellana, ONS, Systems Engineering Section (SES)
Clay Little, ONS, Engineering
David Deatherage, ONS, Work Control
Danny Billings, NRC, Oconee Resident Inspector
Michael Scott, NRC, Oconee Senior Resident Inspector
Paul Fillion, NRC, RII, DRS
Nancy Salgado, NRC, Oconee Resident Inspector

PARTICIPANTS VIA TELECON:

David E. LaBarge, Nuclear Reactor Regulation (NRR), Senior Project Manager
Christopher P. Jackson, NRR, Reactor Systems Branch
Marie A. Pohida, Probabilistic Safety Assessment Branch
James J. Lazevnick, Electrical Engineering Branch
George F. Lanik, Office for Analysis and Evaluation of Operational Data (AEOD)
William S. Raughley, AEOD
Harold L. Ornstein, AEOD
Glenn M. Tracy, Executive Director for Operations (EDO) Office
Robert E. Carroll, Project Engineer, RII, Division of Reactor Projects

REQUEST FOR ADDITIONAL INFORMATION

1. How has it been assured (or how will it be verified) that starting/operating safety related plant equipment from the Keowee generators under the test conditions will not result in damage or degradation of the equipment (i.e. if equipment ratings are exceeded during testing, how will operability be evaluated?)?
2. Provide the completed calculations which address the total electrical loading on the Keowee and/or Lee generators during the test.
3. Describe the effect of operating the Keowee oil lift pumps prior to initiating the Keowee start signal on the performance of the Keowee units relative to demonstrating their design basis.
4. The draft test procedure does not contain acceptance criteria for the voltage levels on the electrical busses. Please explain why such criteria is not necessary. Please address this issue for both Keowee and Lee test scenarios.
5. Explain how the contingency procedures for the test were verified and validated. Describe how personnel who will perform the test will be trained on the test and contingencies. Will the crew(s) involved in the tests walkdown each contingency section?
6. Confirm that the test and contingencies were reviewed to provide reasonable assurance that testing and/or contingency actions will meet current regulatory and license requirements at Oconee.
7. Describe how Watts and Vars at the power sources (Keowee and Lee) will be measured during the test (or derived from test data).