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SUBJECT: Submits lists of modifications to implemented on Emergency Response Data Sys for Oconee, Unit 1.

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DUKE POWER

July 7, 1997

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Oconee Nuclear Station
Docket Number 50-269, 50-270, 50-287
Emergency Response Data System

Pursuant to the requirements of 10CFR50, Appendix E, Section VI, parts 3.a and 3.b, the following is a notification of the modifications to be implemented on the Emergency Response Data System for the Duke Power Company, Oconee Nuclear Station Unit 1 (ONS Unit-1).

1. General

Duke Power is replacing its Operator Aid Computer (OAC) system at all its nuclear units. The vendor, Science Applications International Corp., (SAIC) is providing the replacement systems. The ERDS application will be an integral part of the new OAC versus the current separate stand-alone system.

For Oconee Unit-1 this replacement will occur during the upcoming Fall '97 outage. From approximately 09/20/97 to 11/10/97, the existing OAC will be removed and replaced. Post-modification testing will then commence and continue throughout mid-November, 1997. During the removal/replacement time period, the ONS-1 ERDS system will be completely unavailable. ERDS data will be gathered manually and distributed by facsimile during this outage period, if needed.

2. ERDS Application

The Duke Power ERDS system is a standard SAIC application product which is already in service at several other nuclear

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plants, including Catawba Unit-1 and Unit-2, McGuire Unit-1 and Oconee Unit-3. It is proposed that the detailed ERDS testing (NRC-312) be performed with the Scientech Inc. test facility. This will be followed by a scheduled ERDS operability demonstration as defined in NUREG 1394, part 3.7.

3. Plant Attribute Library (PAL)

The Plant Attribute Library information (PAL) for ONS-1 will need to be revised in order to reflect the data transmission rate of 15 seconds. All other communication protocols, messages, quality codes, and formats are unaffected by this modification.

4. Data Point Library (DPL)

The Data Point Library (DPL) for ONS-1 shall be revised to reflect our Unit-1 OAC design.

In summary, changes to the Data Point Library will reflect the following:

- The computer point identification (Point ID) has been changed from five-characters to seven-characters. The new Point ID names have a site and unit prefix added.
- Alarm or Trip Setpoint limits (LOW/HIGH) have been changed, where applicable, as a result of the computer replacement design review effort.
- Some computer Point-IDs have been changed due to the new OAC point naming convention.

DPL changes will be submitted to the NRC as soon as they are completed.

5. NRC Implementation

Changes to the DPL should be implemented by the NRC on their ERDS computer during the time frame associated with ONS-1 ERDS unavailability. The NRC is requested to send Duke at the following address, Alan D. Sweney, I/T Manager, P.O. Box 1439, Seneca, SC 29679, a printout or electronic copy of the revised DPL for ONS 1, following revision, for our record. Duke will notify the NRC in writing if these projected dates change.

U.S. Nuclear Regulator Commission

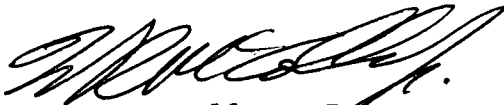
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Duke will notify the NRC of the actual beginning and end of the unavailability period.

It is requested that the NRC review that above information for acceptability by 07/20/97. Should there be any questions or additional information be required, please contact Mr. Paul Brandt at (864)885-3825.

Very truly yours,

A handwritten signature in black ink, appearing to read 'W.R. McCollum, Jr.', written in a cursive style.

W.R. McCollum, Jr.
VP, Oconee Nuclear Site

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July 7, 1997

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