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50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

AUTH. NAME AUTHOR AFFILIATION
MCCOLLUM, W.R. Duke Power Co.
RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Informs that revised schedule for completion of analysis for
HPI sys injection lines is 980228, due to complexity of 1990
& currently acquired thermocouple data into fatigue
analysis.

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**Duke Power Company***A Duke Energy Company*

Oconee Nuclear Site
P.O. Box 1439
Seneca, SC 29679

W. R. McCollum, Jr.
Vice President

(864) 885-3107 OFFICE
(864) 885-3564 FAX

December 23, 1997

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

Subject: Duke Power Company
Oconee Nuclear Site
Docket Nos. 50-269, -270, -287
RCS Auxiliary Piping Fatigue Analysis
Change of Commitment

In a letter dated February 22, 1996, Duke provided a schedule for the completion of a USAS B31.7 Piping Code Class I fatigue analyses for portions of Reactor Coolant System (RCS) attached piping. As described in a letter dated June 26, 1995, Duke committed to complete all of these fatigue analyses by August 31, 1999.

On April 21, 1997, Oconee Unit 2 was shut down because of a leak in the 2A1 High Pressure Injection (HPI) System injection line. The leak was the result of a fatigue-induced crack in the weld between the safe-end and the injection line. As a result of this event, Duke revised the schedule for completion of the RCS attached piping fatigue analyses such that the HPI System injection lines would be completed first. In a letter dated September 25, 1997, Duke committed to complete the Class I fatigue analysis for the HPI System injection lines by December 31, 1997. This commitment was one of the corrective actions in response to a Notice of Violation and Proposed Imposition of Civil Penalty issued by the staff on August 27, 1997.

The analysis for the HPI System injection lines is currently in progress. Duke has employed Structural Integrity Associates, Inc., to complete this analysis. Because of the complexity associated with the inclusion of 1990 and currently acquired thermocouple data into the fatigue analysis, it has been determined that the analysis will not be completed by December 31, 1997. The revised schedule for

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U. S. Nuclear Regulatory Commission
December 23, 1997
Page 2

completion of the analysis for the HPI System injection
lines is February 28, 1998.

If there are any questions or further information is needed,
you may contact D. A. Nix at (864) 885-3634.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'W. R. McCollum, Jr.', with a stylized flourish at the end.

W. R. McCollum, Jr.,
Site Vice President

U. S. Nuclear Regulatory Commission

December 23, 1997

Page 3

xc: Mr. D. E. LaBarge
 Office of Nuclear Reactor Regulation
 U. S. Nuclear Regulatory Commission
 Washington, DC 20555

 Mr. L. A. Reyes
 Regional Administrator, Region II
 U. S. Nuclear Regulatory Commission

 Mr. M. A. Scott
 Senior NRC Resident Inspector
 Oconee Nuclear Station

U. S. Nuclear Regulatory Commission

December 23, 1997

Page 4

bxc: B. L. Peele
 M. K. Nazar
 W. W. Foster
 D. B. Coyle
 J. E. Burchfield
 J. Mike Davis (G. O.)
 S. L. Nader
 D. A. Nix
 R. L. Gill (EC12R)
 P. A. Wells
 R. A. Heineck
 ELL ECO50
 NSRB EC05N