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April 25, 2008

Docket No.: 50-348

NL-08-0659

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant, Unit 1
Special Report 2008-001-00, Inoperable Radiation Monitor R-29B

Ladies and Gentlemen:

In accordance with the requirements of Technical Requirements Manual (TRM), TR 13.3.4, the enclosed Special Report No. 2008-001-00 (Unit 1) is submitted.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read "J. R. Johnson", with a long, sweeping horizontal stroke extending to the right.

J. R. Johnson
Vice President – Farley

JRJ/CHM/daj

Enclosure: Special Report 2008-001-00

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. J. R. Johnson, Vice President – Farley
Mr. D. H. Jones, Vice President – Engineering
RTYPE: CFA04.054; LC # 14756

U. S. Nuclear Regulatory Commission
Mr. V. M. McCree, Acting Regional Administrator
Mr. R. A. Jervey, NRR Project Manager – Farley
Mr. E. L. Crowe, Senior Resident Inspector – Farley

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Special Report 2008-001-00

This Special Report is being submitted due to the Unit 1 radiation monitor R-29B (Plant Vent Stack Effluent Radiation Monitor) not being restored to operable status within the time required by Technical Requirements Manual (TRM) TR 13.3.4. TR 13.3.4 requires the monitor to be restored to operable status within 7 days or submit a Special Report within the next 14 days following the event.

At 0800 on April 8, 2008, surveillance testing of radiation monitor R-29B was being performed. During testing SNC determined that the detector would not calibrate and R-29B was declared inoperable. A mandatory Limiting Condition of Operation (LCO) was written for R-29B requiring restoration to operable status by 0800 on April 15, 2008, and a work order was generated to repair R-29B.

The detector was removed for calibration. During the calibration procedure, it was determined that the new detector would not meet the tolerance band that SNC had established for one of the calibration points. This problem prevented SNC from meeting the required return to service date and resulted in this Special Report. Through discussions with the detector vendor and a review of the response curve for the detector currently used, it was determined that the SNC acceptance criteria required revision for the point in question. Adjustments were made to the procedural tolerance and the detector was successfully calibrated and returned to service on April 24, 2008.