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Docket Nos.: 50-364

NL-13-2194

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

Joseph M. Farley Nuclear Plant, Unit 2
Special Report 2013-003-00, Nonfunctional Radiation Monitor R-60D

Ladies and Gentlemen:

In accordance with the requirements of Technical Requirements Manual (TRM)
TR 13.3.4, the enclosed Special Report No. 2013-003-00 (Unit 2) is submitted.

This letter contains no NRC commitments. If you have any questions, please
contact Bill Arens at (334) 814-4765.

Sincerely,

A handwritten signature in black ink that reads "C. R. Pierce". The signature is written in a cursive, flowing style.

C. R. Pierce
Regulatory Affairs Director

TALWNA/lac

Enclosure: Special Report 2013-003-00

cc: Southern Nuclear Operating Company
Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer
Mr. B. L. Ivey, Vice President – Regulatory Affairs
Mr. B. J. Adams, Vice President – Fleet Operations
Mr. T. A. Lynch, Vice President - Farley
Mr. J. G. Horn, Regulatory Affairs Manager - Farley
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U. S. Nuclear Regulatory Commission
Mr. V. M. McCree, Regional Administrator
Mr. G. E. Miller, NRR Project Manager - Farley
Mr. R. E. Martin, Senior Project Manager- Farley
Mr. P. K. Niebaum, Senior Resident - Farley

Joseph M. Farley Nuclear Plant, Unit 2
Special Report 2013-003-00, Nonfunctional Radiation Monitor R-60D

Enclosure

Special Report 2013-003-00

Joseph M. Farley Nuclear Plant, Unit 2
Special Report 2013-003-00, Nonfunctional Radiation Monitor R-60D

Enclosure

Special Report 2013-003-00

This Special Report is being submitted due to the Unit 2 radiation monitor R-60D (Auxiliary Feed Pump Turbine Exhaust Monitor) not being restored to functional status within the time required by Technical Requirements Manual (TRM) TR 13.3.4. The TRM requires that the monitor be restored to functional status within 7 days or submit a Special Report within the following 14 days.

At 2244 on October 30, 2013 radiation monitor R-60D was declared nonfunctional due to a failed indication on the control panel. A TRM Required Action was entered requiring restoration to functional status by November 6, 2013 at 2244 hours and a work order (SNC530865) was generated to repair R-60D.

Troubleshooting isolated the instrument problem to the detector assembly. Due to the detector's location on the main steam valve room roof in close proximity to steam generator safety relief valve exhaust piping, repair of the monitor is a personnel safety risk should any relief valve lift during the repair effort. Therefore, repair of the monitor will be performed only under cold shutdown conditions. R-60D is scheduled to be repaired during the next refueling outage currently scheduled for fall 2014 or at the next outage of sufficient duration when the plant will be in cold shutdown. Compensatory measures have been established and TRM action requirements are being met for radiation monitor R-60D nonfunctionality.

As reported in Farley Unit 2 Special Reports 2013-001-00 and 2013-002-00, there have been two previous failures of Unit 2 steam exhaust radiation monitors during the current operating cycle under similar circumstances. A common cause analysis per CAR 208217 has been initiated to investigate these three failures. In addition to the repairs to be made to each detector at the next opportunity, design changes per DCPs SNC54928 and SNC73409 are currently scheduled for implementation in the Spring of 2015 for Unit 1 and in the Spring of 2016 for Unit 2. The design changes will relocate the steam exhaust detectors on both units to provide improved environmental conditions and on-line accessibility.