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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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Joseph M. Farley Nuclear Plant - Unit 2
Special Report 2018-001-00, Nonfunctional Radiation Monitor R-15B

Ladies and Gentlemen:

In accordance with the requirements of Joseph M. Farley Nuclear Plant Technical Requirements Manual 13.3.4, the enclosed Special Report 2018-001-00 (Unit 2) is submitted.

This letter contains no NRC commitments. If you have any questions, please contact Gene Surber, Farley Licensing Supervisor, at 334.814.5448.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Dennis R. Madison".

D. R. Madison
Vice President – Farley

DRM/mml/cbg

Enclosure: Special Report 2018-001-00

Cc: Regional Administrator, Region II
NRR Project Manager – Farley Nuclear Plant
Senior Resident Inspector – Farley Nuclear Plant
RTYPE: CFA04.054

**Joseph M. Farley Nuclear Plant - Unit 2
Special Report 2018-001-00, Nonfunctional Radiation Monitor R-15B**

Enclosure

Special Report 2018-001-00

Nonfunctional Radiation Monitor R-15B

This Special Report is being submitted due to the Unit 2 Noble Gas Effluent Radiation Monitor R-15B (SJAЕ & TURB BLDG EXHAUST INTERMEDIATE RANGE RAD MONITOR) not being restored to functional status within the time required by Technical (TR) 13.3.4 of the Joseph M. Farley Nuclear Plant (FNP) Technical Requirements Manual (TRM). The TR requires that the monitor be restored to functional status within 7 days or submit a Special Report within the following 14 days.

This report outlines the requirements of TR 13.3.4 Condition D, Action D.1 to prepare and submit a report outlining the action taken, the cause of the non-functionality and the plans and schedule for restoring the system to FUNCTIONAL status.

Summary of the Instrument Loss of Function:

At 0917 on March 6, 2018, with Unit 2 in Mode 1, radiation monitor R-15B was declared nonfunctional as part of routine maintenance to perform calibration in accordance with plant procedures. The TR Required Action was entered for R-15B and compensatory measures were established.

Pre-planned Alternate Method of Monitoring:

The preplanned alternate method of monitoring included:

1. Ensuring that radiation monitors R-15A (Condenser Air Ejector Gas Monitor - Low) and R-15C (Condenser Air Ejector Gas Monitor - High) remained Functional to detect and trend radiation changes.
2. Conducting contingency sampling per the requirements of plant procedure FNP-2-STP-755.0, R-15A, B, & C Contingency Sampling, every 24 hours.

Cause of the Loss of Function:

The initial cause of the loss of function was planned removal from service for calibration. During the calibration of R-15B it was identified that parts were not readily available due to obsolescence. Additionally, it was discovered during this maintenance that the detector required replacement.

Plans and Schedule for Restoring the Instrumentation Channel to FUNCTIONAL status:

Calibration of R-15B was completed, and the radiation monitor was returned to service on March 22, 2018.