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ATTN: Document Control Desk
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Joseph M. Farley Nuclear Plant - Unit 2
Special Report 2019-001-00, Nonfunctional Radiation Monitor R-60C

Ladies and Gentlemen:

In accordance with the requirements of Joseph M. Farley Nuclear Plant Technical Requirements Manual 13.3.4, the enclosed Special Report 2019-001-00 (Unit 2) is submitted.

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

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Charles Kharri".

Charles Kharri
Vice President – Farley

CK/rgs/scm

Enclosure: Special Report 2019-001-00

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 2019-001-00, Nonfunctional Radiation Monitor R-60C**

Enclosure

Special Report 2019-001-00

Nonfunctional Radiation Monitor R-60C

This Special Report is being submitted due to the Unit 2 Main Steam Radiation Monitor (R-60C) not being restored to functional status within the time required by Technical Requirement (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 0234 on April 25, 2019, with Unit 2 in Mode 5, Radiation Monitor R-60C was declared NON-FUNCTIONAL due to displaying a slave link fault, "Operate" light blinking, and screen going blank at various times. The TR Required Action was entered for R-60C on April 29, 2019 at 0737 in preparation of Unit 2 entering the R-60C Mode of Applicability (Mode 3). Unit 2 entered Mode 3 at 1246 on April 30, 2019 from Refuel Outage 2R26.

Pre-planned Alternate Method of Monitoring:

The preplanned alternate method of monitoring is conducted per Farley Chemistry Procedure FNP-2-CCP-203, "Chemistry and Environmental Group Considerations During Operational Transients". This procedure requires that the Chemistry Department perform surveillance procedure FNP-2-STP-754, RE-60A, B & C Contingency Sampling, once per day. FNP-2-STP-754 requires verification that R-15, Steam Jet Air Ejector Radiation Monitor, is in service.

Cause of the Loss of FUNCTION:

Troubleshooting by I&C technicians has determined that the fault was caused by a defective LPDU (Local Processing and Display Unit) not communicating to the RDU (Remote Display Unit).

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

Farley is working with the vendor to obtain parts (LPDU) and contracting specialized work. It is expected that following parts arrival, work order planning, repair, and final calibrations by the vendor that R-60C will be returned to service on or before June 7, 2019.