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John Lewis
Manager, Regulatory Assurance

10 CFR 50.4

W3F1-2022-0011

February 8, 2022

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

Subject: Special Report SR-22-002-00
Radiation Monitor Inoperable Greater Than 7 Days

Waterford Steam Electric Station, Unit 3
NRC Docket No. 50-382
Renewed Facility Operating License No. NPF-38

Entergy Operations, Inc. is submitting Special Report SR-22-002-00 for Waterford Steam Electric Station, Unit 3 (Waterford 3). This Special Report is submitted as required by Waterford 3 Technical Specification (TS) 3.3.3.1, "Radiation Monitoring Instrumentation," which requires the minimum number of Effluent Accident Monitor channels shown in TS Table 3.3-6 to be operable. If the monitor is not restored to operable status within 7 days after the failure, a Special Report is required to be submitted in accordance with TS 6.9.2 within 14 days after the failure outlining the actions taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

This letter contains no new regulatory commitments.

Should you have any questions or require additional information, please contact John Lewis, Regulatory Assurance Manager, at 504-739-6028.

Respectfully,

John D Lewis
Digitally signed by John D Lewis
Date: 2022.02.08 13:15:27 -06'00'

John Lewis
JL/jkb

Enclosure: Waterford 3 Special Report SR-22-002-00

cc: NRC Region IV Regional Administrator
NRC Senior Resident Inspector – Waterford Steam Electric Station, Unit 3
NRC Project Manager – Waterford Steam Electric Station, Unit 3
Louisiana Department of Environmental Quality

Enclosure

W3F1-2022-0011

Waterford 3 Special Report SR-22-002-00

SPECIAL REPORT
SR-22-002-00

Radiation Monitor Inoperable Greater Than 7 Days

SUMMARY

The Fuel Handling Building (FHB) wide range gas monitor (WRGM) was declared inoperable due to an expired surveillance on January 26, 2022. The instrument could not be calibrated successfully due to the unavailability of a multi-channel analyzer (MCA) needed to perform the calibration. Because the monitor was not returned to service within 7 days, this report is submitted in accordance with Technical Specification (TS) 3.3.3.1, "Radiation Monitoring Instrumentation," and in accordance with TS 6.9.2 within 14 days after the failure outlining the actions taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

NARRATIVE

The FHB WRGM monitors air being released from the FHB emergency exhausts during accident conditions.

Table 3.3-6 of TS 3.3.3.1 requires that this instrument be operable in Modes 1 through 4. Action 27 of TS Table 3.3-6 requires that, with the number of operable channels less than required by the minimum channels operable requirement, either restore the inoperable channel(s) to operable status within 72 hours, or initiate the preplanned alternate method of monitoring the appropriate parameter(s), and if the monitor is not restored to operable status within 7 days after the failure, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days after the failure outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to operable status.

TS Administrative Controls Special Reports states:

> 6.9.2 Special reports shall be submitted in accordance with 10 CFR 50.4 within the time period specified for each report.

At 0200 CST on January 26, 2022, Operations personnel at Waterford 3 declared the FHB WRGM inoperable due to an expired surveillance. The required actions were taken in accordance with TS 3.3.3.1, Table 3.3-6, and an entry in the Equipment Out of Service log was initiated to track the condition. The Chemistry Department established pre-planned alternate method of monitoring as required.

The MCA that was needed to perform the calibration on the FHB WRGM was procured on February 1, 2022. The surveillance was successfully completed on February 2, 2022, and the FHB WRGM was restored to operable status at 1700 CST on February 2, 2022.