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**Paul Wood**  
Manager, Regulatory Assurance

W3F1-2019-0042

June 3, 2019

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

Subject: Special Report SR-19-001-00  
Condenser Vacuum Pump High Range Instrument Inoperable for Greater  
than 7 Days

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

Attached is Special Report Number SR-19-001-00 for Waterford Steam Electric Station, Unit 3.  
This Special Report is submitted in accordance with Technical Specification 3.3.3.1.

This letter contains no new regulatory commitments.

If you have any questions or require additional information, please contact Paul Wood,  
Regulatory Assurance Manager, at 504-464-3786.

Respectfully,

A handwritten signature in blue ink that reads "Paul Wood".

Paul Wood

PIW/mmz

Enclosure: Waterford 3 Special Report SR-19-001-00

cc: NRC Region IV Regional Administrator  
NRC Senior Resident Inspector – Waterford Steam Electric Station, Unit 3  
NRR Project Manager

**ENCLOSURE**

**W3F1-2019-0042**

**Entergy Operations, Inc.**

**Waterford 3 Special Report SR-19-001-00**

**SPECIAL REPORT  
SR-19-001-00**

**Condenser Vacuum Pump High Range Instrument Inoperable Greater Than 7 Days**

**SUMMARY**

At 0331 hours on May 20, 2019, Operations personnel at Waterford Steam Electric Station, Unit 3 (Waterford 3) declared the Condenser Vacuum Pump High Range Instrument, PRIMIRE0002, Inoperable. Technical Specification (TS) 3.3.3.1, Table 3.3-6, requires this instrument be operable in Modes 1-4. Action 27 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 following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status. Since the instrument was not returned to service within 7 days, this report is submitted pursuant to TS 3.3.3.1.

**NARRATIVE**

The Condenser Vacuum Pump High Range Instrument measures noncondensable fission product gases in the condenser air ejector discharge. The presence of radioactivity in this line would indicate a primary to secondary leak in the steam generators.

Waterford 3 entered Forced Outage FO-23 on May 16, 2019 at 1348 hours (reference NRC Event Notification EN 54068). The plant remained in Mode 3 during the outage; however, plant conditions necessitated breaking condenser vacuum. This condition resulted in loss of sample flow to the Condenser Vacuum Pump High Range Instrument; therefore, the instrument was declared inoperable. Required actions per TS 3.3.3.1 were taken and an Equipment Out of Service log was initiated to track the condition.

During preparations for plant restart, the condenser vacuum was reestablished and sample flow was restored, thus restoring operability. The Condenser Vacuum Pump High Range Instrument was declared operable on May 27, 2019, at 1220 hours and the TS 3.3.3.1 action was exited.