



L-2015-217
August 27, 2015

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

Re: Turkey Point Unit 3
Docket No. 50-250
Special Report - Accident Monitoring Instrumentation

In accordance with Technical Specifications 6.9.2 and 3.3.3.3, the attached Special Report is provided for your information.

Should there be any questions regarding this information, please contact Mr. Mitch Guth, Licensing Manager at (305) 246-6698.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Summers", is written over a horizontal line.

Thomas Summers
Site Vice President
Turkey Point Nuclear Plant

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

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NRR

SPECIAL REPORT

Purpose:

This special report is being submitted pursuant to the requirements of Turkey Point Unit 3 Technical Specification (TS) 3.3.3.3, Table 3.3-5, Accident Monitoring Instrumentation, Action 34, part 2) due to the Condenser Air Ejector High Range-Noble Gas Effluent Monitor being inoperable for greater than 7 days.

Required Action 34 of TS 3.3.3.3, Table 3.3-5, Item 19.c, states:

“With the number of OPERABLE channels less than required by the Minimum Channels OPERABLE requirements, initiate the preplanned alternate method of monitoring the appropriate parameter(s), within 72 hours, and:

- 1) Either restore the inoperable channel(s) to OPERABLE status within 7 days of the event, or
- 2) Prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 14 days outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the system to OPERABLE status.”

This special report is being transmitted in accordance with these requirements.

Event and Action Taken:

RAD-3-6417 consists of three channels with the following ranges to cover the total range required (1.0 E-06 to 1.0 E+05 $\mu\text{Ci/cc}$) for the Condenser Air Ejector High Range-Noble Gas Effluent Monitor:

High Range Channel 9:	1.0 E00 to 1.0 E+05 $\mu\text{Ci/cc}$,
Mid Range Channel 7:	2.5 E-02 to 4.0 E+02 $\mu\text{Ci/cc}$,
Low Range Channel 5:	1.0 E-07 to 6.0 E-02 $\mu\text{Ci/cc}$.

In accordance with TS 3.3.3.3, Table 3.3-5, Item 19.c., the Condenser Air Ejector Noble Gas Effluent Monitor is required to be OPERABLE for Modes 1, 2, and 3.

On August 11, 2015 at approximately 1057 hours, with Unit 3 operating at approximately 100% power, the RAD-3-6417 monitor was removed from service for planned calibration and placed in the equipment out of service log. During the calibration activity, it was noticed that the flow sensor stopped working and displayed zero flow. Efforts to repair the flow sensor on site were ineffective. The flow sensor has been sent offsite for repair.

Alternate monitoring was initiated within 72 hours as required by TS Action 34 and has been in place for the entire time the monitor has been inoperable.

Channels 5, 7, and 9 were not restored to operable status within 7 days of the initial calibration activity, or prior to August 18, 2015, due to the flow sensor failure. As such, the Condenser Air Ejector High Range Noble Gas Effluent Monitor was inoperable for greater than 7 days.

Cause:

The primary cause of RAD-3-6417 being inoperable for greater than 7 days was the failed flow sensor unit affecting operation of Channels 5, 7, and 9.

Schedule for Restoration:

The defective flow sensor was sent off site for repair and is scheduled to be returned to the site on or about August 28, 2015. RAD-3-6417 is expected to be repaired and returned to operable status on or about September 4, 2015.