



MAY 11 2017

L-2017-090

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-001

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 Mitch Guth, Licensing Manager at (305) 246-6698.

Sincerely,

A handwritten signature in blue ink, appearing to read 'B. Stamp', with a stylized flourish at the end.

Brian Stamp  
Plant General Manager  
Turkey Point Nuclear Plant

SM

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

## **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, Instrument 19.c, Action 34, part 2) due to the Condenser Air Ejector for High Range-Noble Gas Effluent Monitor (RAD-3-6417) being inoperable for greater than 7 days.

Required Action 34 of TS 3.3.3.3, Table 3.3-5 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  $\mu\text{Ci/cc}$ ):

Low-Range Channel 5:	1.0 E-07	to	6.0 E-02 $\mu\text{Ci/cc}$
Mid-Range Channel 7:	2.5 E-02	to	4.0 E+02 $\mu\text{Ci/cc}$
High-Range Channel 9:	1.0 E+00	to	1.0 E+05 $\mu\text{Ci/cc}$

On April 23, 2017, at 0522, Turkey Point Unit 3 entered Mode 3, returning to power from the Unit 3, Cycle 29 Refueling Outage. At that time, plant conditions did not support the sample flow rate required to allow the High Range-Noble Gas Effluent Monitor (RAD-3-6417) to be in service, and as such, monitor RAD-3-6417 was rendered inoperable. Additionally, on April 25, 2017, while performing the Channel 5 calibration, it was discovered that the detector efficiency was below the acceptance criteria, and it needed replacement. The monitor was not returned to service until May 5, 2017 at 1940.

In accordance with TS 3.3.3.3, Table 3.3-5, Instrument 19.c, the Condenser Air Ejector Noble Gas Effluent Monitor is required to be OPERABLE for Modes 1-3. Since RAD-3-6417 was not restored to service within 7 days (by April 30, 2017) as required by TS 3.3.3.3, Table 3.3-5, Action 34, this special report is prepared and submitted within the next 14 days (by May 14, 2017) to comply with the TS Action 34 requirements.

The pre-planned alternate method of monitoring the appropriate parameters was established prior to April 23, 2017. The method utilized was grab samples, once per 8 hours, to perform isotopic activity analysis. Sampling was maintained throughout the period of inoperability.

Cause:

The sampling flow path was bypassed due to the plant conditions, which rendered monitor RAD-3-6417 inoperable. Additionally, the RAD-3-6417 Channel 5 detector was degraded and needed replacement.

Schedule for Restoration:

The detector was replaced and the monitor was declared operable on May 5, 2017 at 1940.