



May 30, 2013  
L-2013-184

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 Robert J. Tomonto, Licensing Manager at (305) 246-7327.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Kiley', written over a horizontal line.

Michael Kiley  
Vice President  
Turkey Point Nuclear Plant

SM

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

IE22  
MK

## **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 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, 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 E05  $\mu\text{Ci/cc}$ ):

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 1-3.

On May 10, 2013, Unit 3 was operating in Mode 1, at approximately 38% power. At approximately 0217, RAD-3-6417 was rendered inoperable when condenser air in leakage exceeded 15 SCFM. Since RAD-3-6417 was not restored to service within 7 days (by May 17, 2013) 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 to comply with the TS Action 34 requirements.

The pre-planned alternate method of monitoring the appropriate parameters was established on May 10, 2013. The method utilized was grab samples, once per 8 hours from the steam generators for isotopic activity and tritium analysis as required.

Cause:

The Turkey Point Unit 3 Condenser Air In leakage was elevated due to issues related to gland seal steam and condensate system conditions (due to reduced power operations). Per plant procedures, when condenser air-in leakage exceeds 15 SCFM, it affects proper operation of the condenser steam jet air ejector monitor, and as such, RAD-3-6417, was declared inoperable.

Schedule for Restoration:

The Turkey Point Unit 3 Condenser Air Ejector for High Range-Noble Gas Effluent Monitor, RAD-3-6417 was restored to service on May 21, 2013, at 1620.