



July 28, 2014

L-2014-248
10 CFR 50.36

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

Re: St. Lucie Unit 2
Docket No. 50-389
Date of Event: July, 16, 2014
Technical Specification Special Report
Radiation Monitor Inoperable Greater Than 72 Hours

The attached special report is being submitted pursuant to the requirements of St. Lucie Unit 2 Technical Specification 3.3.3.1, Action b, Table 3.3-6, Action 27, and Technical Specification 6.9.2. This report provides notification that the Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitor RM-45-1 was inoperable for greater than 72 hours.

Alternate means of radiation monitoring were implemented in accordance with the Technical Specification ACTION statement.

Please contact Don Cecchetti at 772.467.7155 if there are any questions on this information.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Catron', is written over the typed name.

Steven Catron
Licensing Manager
St. Lucie Plant

SC/dlc

Attachment: Steam Generator Blowdown Treatment Facility Building Exhaust Radiation
Monitor RM-45-1 Inoperable Greater Than 72 Hours (1 page)

cc: USNRC Regional Administrator, Region II
USNRC Senior Resident Inspector, St. Lucie Plant

Handwritten initials 'JEE22' and 'NRR' in black ink, located in the bottom right corner of the page.

I. TITLE

Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitor RM-45-1
Inoperable Greater Than 72 Hours

II. EVENT DESCRIPTION

On July 16, 2014, St. Lucie Unit 2 was in Mode 1 at 100% power. The Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitor RM-45-1 lost power due to a preplanned outage on the Motor Control Center (MCC 1B9) which supplies the monitor's power. The limiting condition for operation (LCO) for TS 3.3.3.1, Action b, Table 3.3-6, Action 27, states 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:

- 1) Initiate the preplanned alternate method of monitoring the appropriate parameter(s), and
- 2) 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.”

III. CAUSE OF THE EVENT

The loss of power to the radiation monitor was due to a preplanned outage to complete permanent repairs on the monitor's power feed 480V MCC 1B9 which sustained damage on December 12, 2014.

IV. ACTIONS TAKEN

Short Term:

Alternate monitoring was implemented in accordance with TS 3.3.3.1, Action b; Table 3.3-6, Action 27.

Long Term:

The permanent power source will be repaired and returned to service.

V. SCHEDULE FOR RESTORING SYSTEM

The estimate for returning MCC 1B9 to service is August 8, 2014 due to upgrading the MCC. If the Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitor RM-45-1 is not restored with its permanent power by the August 15, 2014, an update will be provided.