Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

October 18, 2007

L-2007-166
10 CFR 50.36

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

Re: St. Lucie Unit 1
Docket No. 50-335
Date of Event: October 4, 2007
Technical Specification Special Report
Radiation Monitoring Inoperable Greater Than 72 Hours

The attached special report is being submitted pursuant to the requirements of St. Lucie Unit 1 Technical Specification 3.3.3.1, Action b, and Technical Specification 6.9.2. This report provides notification that the Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitoring system was inoperable for greater than 72 hours due to inaccessibility of the radiation monitors.

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

Please contact us if there any questions on this information.

Very truly yours,

Gordon L. Johnston
Site Vice President
St. Lucie Plant

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I. TITLE

Steam Generator Blowdown Treatment Facility Building Exhaust Radiation Monitoring System Inoperable Greater Than 72 Hours.

II. EVENT DESCRIPTION

On October 4, 2007, St. Lucie Unit 1 was in Mode 1 at 100% power. The stairwell providing emergency ingress/egress to the steam generator blowdown treatment facility building exhaust radiation monitoring system was declared unusable. This action rendered the radiation monitors inaccessible to the operators for the required Technical Specification shiftly channel check surveillances, so the steam generator blowdown treatment facility building exhaust radiation monitoring system was declared inoperable. The Limiting Condition for Operation (LCO) for TS 3.3.3.1, Radiation Monitoring, states that:

"The radiation monitoring instrumentation channels shown in Table 3.3-6 shall be OPERABLE with their alarm setpoints within the specified limits.

"With the number of channels OPERABLE 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 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."

On October 7, 2007, access to the steam generator blowdown treatment facility building exhaust radiation monitoring system had not been restored, and the 72-hour time period to restore the subject radiation monitor to operable status expired.

III. CAUSE OF THE EVENT

Operators were unable to perform the required Technical Specification shiftly channel checks due to the inaccessibility of the radiation monitors.

IV. ACTIONS TAKEN

Short Term:

Alternate monitoring was implemented in accordance with TS 3.3.3.1, ACTION Statement 15.

Long Term:

St. Lucie is pursuing alternate means for providing emergency ingress/egress to the steam generator blowdown treatment facility building exhaust radiation monitors to allow resumption of the shiftly channel checks.

V. SCHEDULE FOR RESTORING SYSTEM

Access to the steam generator blowdown treatment facility building exhaust radiation monitors will be restored by October 27, 2007.