



November 30, 2010

L-2010-284  
10 CFR 50.4  
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: November 1, 2010  
Technical Specification Special Report  
Inoperable Containment Sump Wide Range Level Instruments

Reference:

1. FPL letter L-2010-139 dated June 28, 2010, "Technical Specification Special Report Inoperable Containment Sump Wide Range Level Channel B"

The attached special report is being submitted pursuant to the requirements of St. Lucie Unit 1 Technical Specification 3.3.3.8 ACTION 5 and Technical Specification (TS) 6.9.2. This report provides notification both channels of the containment sump wide range level instruments were inoperable for greater than 48 hours. On November 1, 2010, the 1A emergency diesel generator (EDG) was taken out of service for planned maintenance. TS 3.8.1.1 ACTION b required that the "A" containment sump wide range level instrument be administratively declared inoperable because the "B" containment sump wide range level instrument was inoperable (reference 1). The "A" containment sump wide range level instrument was returned to service on November 8, 2010, at the completion of the 1A EDG maintenance.

The details for the return to service plans for the inoperable "B" containment sump wide range level instrument remain as described in the FPL letter L-2010-139 (reference 1).

Please contact us if there are any questions on this information.

Sincerely,

Eric S. Katzman  
Licensing Manager  
St. Lucie Plant

ESK/KWF  
Attachment

1. TITLE

St. Lucie Unit 1 Inoperable Containment Sump Wide Range Level Instruments

2. EVENT DESCRIPTION

On November 1, 2010, the 1A emergency diesel generator (EDG) was taken out of service for planned maintenance. TS 3.8.1.1 ACTION b requires that any redundant operable feature(s) on an out of service EDG be declared inoperable within four hours if the opposite train feature(s) is inoperable and the TS actions for the inoperable feature be taken. The "B" containment sump wide range level instrument was inoperable at the start of the approximately seven day EDG maintenance window. Therefore, with all containment sump wide range level instruments administratively declared inoperable, St. Lucie Unit 1 Technical Specification (TS) 3.3.3.8, Table 3.3-11, ACTION 5 was entered, which states:

ACTION 5 - With the number of OPERABLE Channels less than the Minimum Channels OPERABLE requirements of Table 3.3-11, either restore the inoperable channel(s) to OPERABLE status within 48 hours if repairs are feasible without shutting down or:

1. Initiate an alternate method of monitoring the reactor vessel inventory; and
2. Prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 30 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; and
3. Restore the Channel to OPERABLE status at the next scheduled refueling.

3. CAUSE OF THE EVENT

The need to declare the available, non-EDG backed "A" channel containment sump wide range level instrument inoperable was a requirement of TS 3.8.1.1. Although the "A" containment sump wide range level instrument was administratively declared inoperable, it was functionally able to perform its required TS accident monitoring functions with offsite power available.

4. ACTIONS TAKEN

St. Lucie did not immediately initiate alternate methods for monitoring reactor vessel inventory because the "A" containment sump wide range level instrument was functionally able to perform its required TS accident monitoring functions with offsite power available. Alternate methods were available as a contingency action should offsite power be unavailable.

5. SCHEDULE FOR RESTORING SYSTEM

The "A" containment sump wide range level channel was returned to service on November 8, 2010, when the 1A EDG was returned to service. The "B" containment sump wide range level channel remains inoperable and its return to service plans are detailed in FPL letter L-2010-139 dated June 28, 2010.