FPL Energy
Seabrook Station

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January 4, 2007

Docket No. 50-443

SBK-L-07002

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555 - 0001

Reference:

Florida Power and Light Company, Letter L-2005-011, "NRC Bulletin 2004-01, Request for Additional Information, Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors," dated January 18, 2005

Seabrook Station
NRC Bulletin 2004-01, OR11
Inspection of Alloy 82/182/600 Materials 60-Day Report

Pursuant to NRC Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors," dated May 28, 2004, FPL Energy Seabrook, LLC (FPL Energy Seabrook) submits the enclosed report. This report is being submitted within (60) days of plant restart from refueling outage OR11 on November 10, 2006. In the referenced letter, FPL Enery Seabrook committed to perform bare metal visual (BMV) inspections of alloy 600/82/182 butt welds on the pressurizer each refueling outage. This commitment will exist until such time that EPRI, ASME, or the Commission issues guidance on inspection frequencies.

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Should you require further information regarding this submittal, please contact Mr. James M. Peschel, Regulatory Programs Manager, at (603) 773-7194.

Very truly yours,

FPL Energy Seabrook, LLC

Gene St. Pierre
Site Vice President

cc: S. J. Collins, NRC Region I Administrator
G. E. Miller, NRC Project Manager, Project Directorate I-2
G. T. Dentel, NRC Senior Resident Inspector

ENCLOSURE TO SBK-L-07002

NRC Bulletin 2004-01
Sixty (60) Day Report
For Refueling Outage OR11

FPL Energy Seabrook submits this report pursuant to NRC Bulletin 2004-01, *Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors* dated May 28, 2004. This report is being submitted within (60) days of plant restart from refueling outage OR11 on November 10, 2006.

Paragraph 2 in Requested Information of Bulletin 2004-01 states in part, within 60 days of plant restart following the next inspection of the Alloy 82/182/600 pressurizer penetrations and steam space piping connections, the subject PWR licensees should:

(a) submit to the NRC a statement indicating that the inspections described in the licensee's response to item (1)(c) of this bulletin were completed and a description of the as-found condition of the pressurizer shell, any findings of relevant indications of through-wall leakage, followup NDE performed to characterize flaws in leaking penetrations or steam space piping connections, a summary of all relevant indications found by NDE, a summary of the disposition of any findings of boric acid , and any corrective actions taken and/or repairs made as a result of the indications found.

In response to paragraph (1)(c), FPL Energy Seabrook committed to perform a 100% bare metal visual (BMV) examination (VT-2) on five (5) steam space nozzles and one (1) surge nozzle on the pressurizer, which possess alloy 82/182 weld metal.

Additionally, on November 18, 2004, the NRC issued RAIs to FPL Energy Seabrook's response to NRC Bulletin 2004-01. In response to RAI 1, FPLE Seabrook committed to perform bare metal visual (BMV) inspections of alloy 600/82/182 butt welds on the pressurizer each refueling outage. This commitment will exist until such time that EPRI, ASME, or the regulator issues guidance on inspection frequencies.

Inspection Performed

A bare metal visual (BMV) examination (VT-2) of each (5) steam space piping connection and (1) surge line piping connection to the pressurizer at the alloy 82/182 butt weld was performed.

Extent of Examination

A 360° visual examination, using VT-2 visual examination criteria, of (6) pressurizer alloy 82/182 piping connections looking for evidence of pressure boundary leakage.

Inspection Method

A direct VT-2 visual examination was performed using certified VT-2 examiners. Supplemental lighting was used to highlight areas of interest. Illumination was verified for the direct visual examination at maximum working distance. Verification was made using an ASME Section XI near distance vision test chart for VT-2 examination.

As-Found Condition

None of the (6) alloy 82/182 piping connections on the pressurizer exhibited evidence of pressure boundary leakage.

Corrective Actions

No corrective actions were required. No evidence of pressure boundary leakage was observed.