NRR-PMDA-ECapture Resource

From: Saba, Farideh
Sent: Friday, August 29, 2014 2:55 PM
To: ken.frehafer@fpl.com
Cc: Lewis, Atanya (Atanya.Lewis@fpl.com); eric.katzman@fpl.com; Chereskin, Alexander
Subject: Final RAIs for St. Lucie Unit 1 Relief Request No. 8 (TAC No. MF4490)
Attachments: Final RAIs St Lucie N-729 MF4490.docx

Importance: High

Ken,

By letter dated July 24, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML14206A939), Florida Power and Light (the licensee) requested relief from the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, associated with the examination frequency requirements of ASME Code Case N-729-1 at St Lucie, Unit 1. The licensee proposed an alternative examination requirement for the Reactor Vessel Top Head Penetration Nozzles as documented in Relief Request No 8.

To complete its review, the Nuclear Regulatory Commission (NRC) staff requests additional information. Attached is the NRC staff request for additional information (RAI) for St. Lucie Unit 1 on Relief Request No. 8 (TAC MF4490). A response to the RAI is required no later than September 26, 2014.

If you have any questions or concerns please let me know.

Thank you,

Farideh E. Saba, P.E.
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REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST NO. 8 INSPECTION OF REACTOR VESSEL

CLOSURE HEAD NOZZLES IN ACCORDANCE WITH ASME

CODE CASE N-729-1 AS CONDITIONED BY 10CFR50.55a

FLORIDA POWER AND LIGHT

DOCKET NUMBER 50-335

(TAC NO. MF4490)

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RAI 1

The licensee uses MRP-375, "Technical Basis for Reexamination Interval Extension for Alloy 690 PWR Reactor Vessel Top Head Penetration Nozzles," to provide a technical basis for the proposed alternative. In regards to MRP-375, Figures 3-1, 3-3 and 3-5, provide a brief description of the materials tested for each plot that have data points above a hypothetical 6.2 factor of improvement line necessary to support the licensee's proposed alternative.

RAI 2

Provide any similarities between the items listed in (1) above and the associated nozzles and weld material used in the current reactor pressure vessel upper head at St Lucie Unit 1.