

## NRR-PMDAPEm Resource

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**From:** Buckberg, Perry  
**Sent:** Tuesday, March 08, 2016 7:51 AM  
**To:** Frehafer, Ken  
**Cc:** Snyder, Mike; Cross, William; 'Katzman, Eric'  
**Subject:** Request for Additional Information - St Lucie Unit 1 Relief Request No. 10 - MF6685  
**Attachments:** St Lucie 1 RR10 MF6685 EPNB RAIs 3-8-16.pdf

Ken,

By letter dated August 27, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15251A209), Florida Power & Light Company (the licensee) proposed an alternative to the examination requirements of the ASME Code, Section XI, 2001 Edition through 2003 Addenda, for the control element drive mechanism (CEDM) housing welds at St. Lucie Plant, Unit 1 (SL-1).

The U.S. Nuclear Regulatory Commission Staff reviewed the submittal and identified areas where it needs additional information and clarification to complete its review. The Request for Additional Information (RAI) is attached. The NRC requests that the licensee respond to this RAI within 45 days of this email.

Thanks,

**Perry Buckberg**

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**Received Date:** 3/8/2016 7:51:00 AM  
**From:** Buckberg, Perry

**Created By:** Perry.Buckberg@nrc.gov

**Recipients:**

"Snyder, Mike" <Mike.Snyder@fpl.com>  
Tracking Status: None  
"Cross, William" <WILLIAM.CROSS@fpl.com>  
Tracking Status: None  
"Katzman, Eric" <Eric.Katzman@fpl.com>  
Tracking Status: None  
"Frehafer, Ken" <Ken.Frehafer@fpl.com>  
Tracking Status: None

**Post Office:**

Files	Size	Date & Time
MESSAGE	999	3/8/2016 7:51:00 AM
St Lucie 1 RR10 MF6685 EPNB RAls 3-8-16.pdf		79871

**Options**

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**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
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**REQUEST FOR ADDITIONAL INFORMATION**  
**ST. LUCIE, UNIT 1**  
**FACILITY OPERATING LICENSE NO. DPR-67**  
**FOURTH TEN YEAR INTERVAL RELIEF REQUEST NO. 10 REV. 0**  
**DOCKET NOS. 50-335**  
**CAC MF6685**

By letter dated August 27, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15251A209), Florida Power & Light (FPL) proposed an alternative to the examination requirements of the ASME Code, Section XI, 2001 Edition through 2003 Addenda, for the control element drive mechanism (CEDM) housing welds at St. Lucie Plant, Unit 1 (SL-1). The licensee submitted Relief Request Number 10 as a proposed alternative to the ASME Code requirements. To complete its review, the Nuclear Regulatory Commission (NRC) requests the following additional information.

**RAI-MF6685-EPNB-01**

On page 14 of 16 of the proposed relief request, the licensee states that bare metal visuals have been performed on the reactor vessel head (RVH) in 2010 and 2015, after the head was replaced in 2005. In addition to this, have any surface examinations of weld number 5 been performed since the RVH was replaced? If so, provide the inspection results, inspection dates, and the number of inspected CEDM weld number 5's. Also state during which previous refueling outages that the surface examinations were performed.

**RAI-MF6685-EPNB-02**

On page 14 of 16 of the proposed relief request, the licensee states that "Although these welds are inaccessible for PT, there are VT-2 examinations in the area of the RV head and CEDMs." Clarify that the inaccessibility is referring to the surface examination of welds numbers 1 through 4, not the VT-2 examination of the subject CEDM housing welds. Also clarify which welds are accessible for VT-2 inspections.

**RAI-MF6685-EPNB-03**

On page 4 of 16 of the proposed relief request, the licensee states that weld numbers 1 and 2 of the upper housing are the same grade as previously used at SL-1 and that they had not had any service-related degradation. State how long these subject welds had been in service prior to replacement of the RVH.

**RAI-MF6685-EPNB-04**

On page 6 of 16 of the proposed relief request, the licensee states that the CEDM's have a vent at the top of the assembly, near weld number 1. Please discuss if this vent is used to remove trapped oxygen in the CEDM after reinstallation of the RVH. If so, also discuss how removing the trapped oxygen will help prevent weld degradation in the CEDM.