



August 4, 2011

L-2011-309  
10 CFR 50.36  
10 CFR 50.55a

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

Re: St. Lucie Unit 2  
Docket No. 50-389  
In-Service Inspection Program  
ISI Third Interval - Third Period – First Outage (SL2-19)  
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 2, SL2-19 outage, Owner's Activity Report, Form OAR-1. Form OAR-1 implements Code Case N-532-4. The OAR-1 report is prepared, certified, and submitted upon completion of each refueling outage. The SL2-19 refueling outage ended on May 8, 2011.

Please contact Ken Frehafer at 772-467-7748 if there are any questions about this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read 'E. Katzman'.

Eric S. Katzman  
Licensing Manager  
St. Lucie Plant

Attachment

ESK/KWF

A047  
NCR

**FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: ISI-PSL-2-2011

Plant: St. Lucie Nuclear Power Plant Unit 2  
6501 South Ocean Drive  
Jensen Beach, Florida 34957

Commercial Service Date: August 8, 1983 Refueling Outage No.: SL2-19

Current Inspection Interval: ISI-Third, IWE-Second Current Inspection Period: ISI-Third, IWE-First

Edition and Addenda of Section XI applicable to the inspection plans: ISI-1998 with Addenda through 2000, and for Subsection IWE, 2001 Edition with Addenda through 2003 (IWL not applicable to St. Lucie Unit 2).

Date and Revision of inspection plans: ISI-September 16, 2010, Rev. 6, IWE-August 31, 2009, Rev. 1

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan: Same.

Code Cases Used: N-460, N-532-4, N-533-1, N-566-1, N-616, N-623, N-624, N-658, N-686, N-722

**CERTIFICATE OF CONFORMANCE**

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of SL-2-19 conform to the requirements of Section XI.

Signed *[Signature]* *CSE MARCELO* Date 7/17/11  
Owner or Owner's Designee, Title *EDG*

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Florida and employed by HSBCT of Hartford Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

*[Signature]* Commissions FC 477 (A, C, N, I)  
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-4-11

**TABLE 1**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED**  
**EVALUATION FOR CONTINUED SERVICE**

PSL-2, 3rd Interval, 3rd Period, Outage 19

Examination Category and Item Number	Item Description	Evaluation Description
None	None	None

TABLE 2  
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
PSL 2 - 3rd Interval, 3rd Period, Outage 19

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	CW-29	INSTALL WINDOW PATCH IN LINE CW-29 BY WELDING	6/2/2010	SL 2- 10007
3	CW-29	PERFORM OD WELD BUILD UP TO RESTORE WALL THICKNESS LOST DUE TO INTERNAL CORROSION.	11/9/2010	SL 2- 10007
1	PRZR	REPLACE PRESSURIZER HEATERS AND SLEEVES BY WELDING - 1/2 NOZZLE REPLACEMENT - Alloy 600	3/24/2011	SL 2- 10023
3	CW-30	PERFORM WELD BUILD UP ON OD OF PIPE WALL LINE NO CW-30.	11/12/2010	SL 2- 10053
1	2-RC-113	CUT OUT/REPLACE V1235 BY WELDING - Alloy 600	3/9/2011	SL 2- 10057
1	2-RC-116	CUT OUT/REPLACE V1234 BY WELDING - Alloy 600	3/9/2011	SL 2- 10058
1	2-RC-122	CUT OUT/REPLACE 2B1 LETDOWN BY WELDING - Alloy 600	3/9/2011	SL 2- 10059
1	2-RC-125	CUT OUT/REPLACE V1232 BY WELDING - Alloy 600	3/9/2011	SL 2- 10060
1	3-RC-109	CUT OUT/REPLACE 2B1 SPRAY BY WELDING - Alloy 600	3/9/2011	SL 2- 10061
1	3-RC-141	CUT OUT/REPLACE 2B2 SPRAY BY WELDING - Alloy 600	3/9/2011	SL 2- 10062
1	RC-152	REDUCE DEFECT TO ACCEPTABLE SIZE BY MECHANICAL MEANS	1/31/2011	SL 2- 11025
1	RC-151	REMOVE DEFECTS BY MECHANICAL MEANS	3/2/2011	SL 2- 11028
1	RC-153	REMOVE DEFECTS BY MECHANICAL MEANS	3/2/2011	SL 2- 11029
3	CW-29	WELD BUILDUP TO RESTORE WALL THICKNESS	2/13/2011	SL 2- 11034

TABLE 2  
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
PSL 2 - 3rd Interval, 3rd Period, Outage 19

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	SI-409	REMOVE FLAW BY MECHANICAL MEANS	2/27/2011	SL 2- 11043
3	CW-30	WELD BUILDUP TO RESTORE WALL THICKNESS	3/2/2011	SL 2- 11051
1	PRZR	REPLACE PRZR HEATERS BY WELDING	4/28/2011	SL 2- 11064