



Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

September 1, 2010

L-2010-202
10 CFR 50.36
10 CFR 50.55a

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

Re: St. Lucie Unit 1
Docket No. 50-335
In-Service Inspection Program
ISI Fourth Interval - First Period - Second Outage (SL1-23)
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 1, SL1-23 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 SL1-23 refueling outage ended on June 14, 2010.

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 'ES Katzman', is written over the typed name.

Eric S. Katzman
Licensing Manager
St. Lucie Plant

Attachment

ESK/KWF

AD47
NRR

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: ISI-PSL-1-2010

Plant: St. Lucie Nuclear Power Plant Unit 1
6501 South Ocean Drive
Jensen Beach, Florida 34957

Commercial Service Date: December 21, 1976 Refueling Outage No.: SL1-23

Current Inspection Interval: Fourth Current Inspection Period: First

Edition and Addenda of Section XI applicable to the inspection plans: 2001 Edition with Addenda through 2003.

Date and Revision of inspection plan: 4th Interval-February 11, 2008, Rev. 0

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-566-2, N-613-1, N-624, N-648-1

CERTIFICATE OF CONFORMANCE

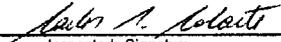
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the inspection plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of SL-1-23 conform to the requirements of Section XI.

Signed  CSE MANAGER Date 8/16/10
Owner or Owner's Designee, Title

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 a loss of any kind arising from or connected with this inspection.

 Commissions FL477(A,C,N,I)
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-26-10

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

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

TABLE 2
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 1st Period, Outage 23

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	CC-32	REPLACE 1C CCW PP SUCTION AND DISCHARGE SPRING CAN SUPPORTS.	11/23/2009	SL 1- 09008
2	SI-420	Replacement of threaded rod for hgr 8770-G-198 SIH-12 for Line no 10" SI-420.	5/13/2010	SL 1- 09030
3	CC-3	CC-3: INSTALL NEW YPH-113 MSP 09160	4/19/2010	SL 1- 10008
1	SE-02-4	WELD BUILDUP ON BONNET	5/9/2010	SL 1- 10020
1	SE-02-4	WELD BUILD-UP ON EXISTING VALVE	6/25/2010	SL 1- 10020
1	RC-113	REPLACE V1235/RC-113, 1A1 INTERMEDIATE DRAIN BY WELDING	5/9/2010	SL 1- 10021
1	RC-116	REPLACE V1234/RC-116 1A2 INTERMEDIATE DRAIN BY WELDING	5/23/2010	SL 1- 10022
1	RC-122	REPLACE RC-122 1B1 INTERMEDIATE DRAIN NOZZLE-TO-SAFE-END BY WELDING	5/22/2010	SL 1- 10023
1	RC-125	REPLACE V1232/RC-125 1B2 INTERMEDIATE DRAIN BY WELDING	5/22/2010	SL 1- 10024
1	RC-148	REPLACE RC-148 1A2 CHARGING NOZZLE-TO-SAFE-END BY WELDING	5/24/2010	SL 1- 10025
1	RC-150	REMOVE GRINDING MARKS BY MECHANICAL MEANS	5/21/2010	SL 1- 10026
1	RC-150	REPLACE RC-150 1B1 CHARGING NOZZLE-TO-SAFE-END BY WELDING	5/9/2010	SL 1- 10026
1	RC-109	REPLACE RC-109 1B1 SPRAY NOZZLE-TO-SAFE-END BY WELDING	5/9/2010	SL 1- 10027
1	RC-141	REPLACE RC-141 1B2 SPRAY NOZZLE-TO-SAFE-END BY WELDING	5/9/2010	SL 1- 10028

TABLE 2
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 1st Period, Outage 23

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	RC-146	REPLACE RC-145 HOT LEG DRAIN BY WELDING	6/8/2010	SL 1- 10029
1	SE-02-3	WELD BUILD-UP ON VALVE BODY	5/27/2010	SL 1- 10036
3	CW-407	CW-407; REPLACE 6" FLANGE BY WELDING	5/3/2010	SL 1- 10042
3	CW-11	CW-11:REPLACE PIPE SUPPORT ISH-3	6/3/2010	SL 1- 10058
3	CW-11	CW-11: REMOVE 2" DRAIN CONN AND PATCH BY WELDING.	5/3/2010	SL 1- 10069
1	PRZR	PRZR:REPLACE MANWAY COVER BOLT	5/23/2010	SL 1- 10071