



JUN 20 2017

L-2017-117  
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 Fourth Interval - First Period – SL2-23 Refueling Outage  
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 2, SL2-23 outage, Owner's Activity Report, Form OAR-1. The OAR-1 report is prepared, certified, and submitted upon completion of each refueling outage. The SL2-23 refueling outage ended on March 24, 2017.

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 "Michael J. Snyder", written in a cursive style.

Michael J Snyder  
Licensing Manager  
St. Lucie Plant

MJS/KWF

Attachment

cc: NRC Region II Administrator  
St. Lucie Plant NRC Senior Resident Inspector

AO 47  
NR

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: ISI-PSL-2-2017

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.: SL2-23

Current Inspection Interval: ISI-Fourth, IWE-Second

Current Inspection Period: ISI-First, IWE-Third

Edition and Addenda of Section XI applicable to the inspection plans: ISI - 2007 with Addenda through 2008  
IWE - 2001 Edition with Addenda through 2003

Date and Revision of inspection plans: ISI-January 30, 2017, Revision 2, IWE-July 17, 2015, Revision 2

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

Code Cases Used: N-532-5, N-586-1, N-649, N-706-1, N-722-1, N-751 N-729-1 & N-770-1.

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 SL2-23 conform to the requirements of Section XI.

Signed Donald M. Ponor for R.D. Gil, Flect Programs Eng Mgr Date 6.15.17  
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 Georgia and employed by the Hartford Steam Boiler Inspection and Insurance Company of 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]  
Inspector's Signature

Commissions NB 14292 R, N, I GA983  
National Board, State, Province, and Endorsements

Date June 15<sup>th</sup>, 2017

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

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

PSL 2 – ISI 4<sup>TH</sup> Interval, 1<sup>st</sup> Period - Outage 23  
PSL 2 - IWE 2<sup>nd</sup> Interval, 3<sup>rd</sup> Period - Outage 23

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

## FORM OAR-1 OWNER'S ACTIVITY REPORT

TABLE 2

## ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

PSL 2 - ISI 4<sup>TH</sup> Interval, 1<sup>st</sup> Period - Outage 23  
 PSL 2 - IWE 2<sup>nd</sup> Interval, 3<sup>rd</sup> Period - Outage 23

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
3	HCV-14-8B	REPLACE VALVE AND FLANGE FASTENERS	5/17/2017	SL2-13055
2	LPSI PP 2B	WELD BUILD UP OF PUMP INTERNALS TO OBTAIN PROPER FIT FOR NEW STUFFING BOX AND INSTALL COUPLING RETROFIT KIT PER EC275737	5/24/2017	SL2-13064
1	SE-02-3	REPLACEMENT OF VALVE AND ADJACENT PIPING BY WELDING	6/13/2017	SL2-13069
3	CW-10	WELD BUILDUP ON FLANGES TO RESTORE THICKNESS	6/14/2017	SL2-15011
3	CW-72	REPAIR THROUGH-WALL LEAK BY WELDING UTILIZING CODE CASE N-661-2	11/11/2015	SL2-15065
3	CW-72	REPLACE ELBOW FASTENERS FOLLOWING INTERNAL INSPECTION	5/3/2017	SL2-15065
3	HCV-21-7A	REPLACE VALVE BY FLANGED CONNECTION	5/4/2017	SL2-15066
2	V2326	REPLACE RELIEF VALVE INTERNALS	5/4/2017	SL2-16001
3	HCV-21-7B	PERFORM WELD BUILDUP OF VALVE AND PIPE FLANGE SURFACES	5/24/2017	SL2-16012
3	V21208	REPLACE VALVE FLANGE FASTENERS	5/3/2017	SL2-16013
1	SG 2B	REPLACE SG 2B PRIMARY MANWAY STUD	6/13/2017	SL2-16014
1	SG 2B	MACHINE REPLACEMENT STUD PER VENDOR RECOMMENDATIONS	6/13/2017	SL2-16014
1	PZR	REPLACE PRESSURIZER MANWAY STUDS/NUTS	6/15/2017	SL2-16015
2	V3495	INSTALL SEAL WELD FOLLOWING INTERNAL VALVE INSPECTION	5/25/2017	SL2-16016
2	V8202	REPLACE MAIN STEAM SAFETY RELIEF VALVE FASTENERS	5/31/2017	SL2-16017
3	V2115	REPLACE RELIEF VALVE FLANGE FASTENERS	5/17/2017	SL2-16019
2	V2324	REPLACE RELIEF VALVE INTERNALS OF REMOVED VALVE	5/31/2017	SL2-16020
2	V2325	REPLACE RELIEF VALVE INTERNALS	5/3/2017	SL2-16021

## FORM OAR-1 OWNER'S ACTIVITY REPORT

TABLE 2

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	V3527	REPLACE CHECK VALVE FASTENERS	6/13/2017	SL2-16022
2	V8203	REPLACE RELIEF VALVE INTERNALS AND FASTENERS	5/31/2017	SL2-16023
3	FUEL POOL PP 2B	REPLACE FLANGE FASTENERS	5/4/2017	SL2-16024
2	FCV-25-26	REPLACE VALVE FASTENERS	6/1/2017	SL2-16025
1	S/G 2A	INSTALL TUBE PLUGS IN 2A S/G	5/18/2017	SL2-16027
2	V8209	REPLACE RELIEF VALVE AND FASTENERS	5/4/2017	SL2-16029
MC	CNTMNT VSL	ATTACH REVISED NAMEPLATE FOLLOWING RE-RATING OF CONTAINMENT VESSEL EXTERNAL PRESSURE	5/4/2017	SL2-16030
2	V8212	REPLACE RELIEF VALVE INTERNALS AND FASTENERS	5/31/2017	SL2-16031
2	V8216	REPLACE RELIEF VALVE INTERNALS AND FASTENERS	5/31/2017	SL2-16032
3	CW-105	PREFABRICATE REPLACEMENT PIPE ELBOW SPOOL BY WELDING	5/24/2017	SL2-16035
3	CW-105	REPLACE PIPE ELBOW BY WELDING AND FLANGED CONNECTION	5/25/2017	SL2-16035
1	V1200	REPLACE CODE SAFETY RELIEF VALVE INTERNALS AND INLET FASTENERS	5/31/2017	SL2-16036
1	V1201	REPLACE CODE SAFETY RELIEF VALVE INTERNALS	5/31/2017	SL2-16037
3	HCV-14-10	REPLACE VALVE AND FASTENERS	5/4/2017	SL2-16041
2	V3107	REPLACE VALVE FASTENERS	6/1/2017	SL2-16042
3	HCV-25-3	INSTALL FLANGES BY WELDING AND BOLTED CONNECTION	5/17/2017	SL2-17001
3	HCV-25-4	INSTALL FLANGES BY WELDING AND BOLTED CONNECTION	5/24/2017	SL2-17001
3	CW-72	REPLACE PIPE SPOOLS CW-72-4 AND CW-72-5 BY WELDING AND BOLTED CONNECTIONS	5/25/2017	SL2-17002
3	V08163	TACK WELD SEAT RING TO VALVE BODY	5/3/2017	SL2-17003
1	V3247	REPLACE VALVE FASTENERS	5/31/2017	SL2-17004
1	V3526	REPLACE VALVE DISC AND FASTENERS	5/31/2017	SL2-17006
3	MV-08-3	REPLACE SPRING CAN SUPPORT BY WELDING	6/15/2017	SL2-17011
2	CS-2	REPLACE TWO SPRING CAN SUPPORTS BY WELDING	5/18/2017	SL2-17012

## FORM OAR-1 OWNER'S ACTIVITY REPORT

TABLE 2

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	CH-147	REPLACE PIPE SECTION BY WELDING FOR LICENSE RENEWAL DESTRUCTIVE TESTING.	5/18/2017	SL2-17019
2	SE-03-2A	REPLACE SOLENOID VALVE SEAL WELD FOLLOWING INTERNAL VALVE INSPECTION	5/3/2017	SL2-17023
1	SE-02-1	REPLACE VALVE AND ADJACENT PIPING BY WELDING	6/1/2017	SL2-17026
2	CC-2080-25	REMOVE AND RE-INSTALL SECTION OF PIPE SUPPORT BY WELDING	5/18/2017	SL2-17027
2	CC-2080-30	REMOVE AND RE-INSTALL SECTION OF PIPE SUPPORT BY WELDING	5/17/2017	SL2-17027
2	CC-2080-33	REPLACE SECTION OF PIPE SUPPORT BY WELDING	5/18/2017	SL2-17027
3	SS-21-1B	REPLACE STRAINER FASTENERS	5/4/2017	SL2-17029
1	028	REPLACE SNUBBER 028	5/31/2017	SL2-17031