



FEB 06 2017

L-2017-019
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 - Third Period - SL1-27
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 1, SL1-27 outage, Owner's Activity Report, Form OAR-1. The OAR-1 report is prepared, certified, and submitted upon completion of each refueling outage. The SL1-27 refueling outage ended on November 9, 2016.

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'.

Michael J Snyder
Licensing Manager
St. Lucie Plant

Attachment

MJS/KWF

cc: NRC Region II Administrator
NRC Site Resident Inspector

Report Number: ISI-PSL-1-2016

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.: SL1-27

Current Inspection Interval: ISI - Fourth Interval, IWE - Second Interval

Current Inspection Period: ISI - Third Period, IWE - Third Period

Edition and Addenda of Section XI applicable to the inspection plan: ISI & IWE - 2001 Edition with Addenda through 2003.

Date and Revision of inspection plan: ISI - March 19, 2015, Rev. 3
IWE - July 17, 2015, Rev. 2

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

Code Cases Used: N-460, N-508-4, N-532-5, N-566-2, N-624, N-658, N-661-1, N-686-1, N-700, N-722-1, N-729-1, N-753, 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 SL1-27 conform to the requirements of Section XI.

Signed Glen P. Oliver For R.D. Gil Date 2/1/17
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 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] Commissions NB/4292 AN/ GA983
Inspector's Signature National Board, State, Province, and Endorsements
Date 02/01/2017

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 REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	SE-02-4	REPLACE SE-02-4 AND ADJACENT PIPING BY WELDING	2/1/2017	SL1-13077
1	SE-02-4	REPLACE VALVE DISC	1/11/2017	SL1-13077
2	LCV-2110P	REPLACE VALVE INTERNALS	1/18/2017	SL1-13084
2	V2326	REPLACE RELIEF VALVE DISC AND NOZZLE	10/29/2016	SL1-15060
1	RCP 1B2	REPLACE RCP 1B2 SEAL CARTRIDGE	1/18/2017	SL1-16004
1	V3113	REPLACE CHECK VALVE DISC	1/11/2017	SL1-16005
1	S/G 1A	REPLACE SG 1A MANWAY FASTENERS	1/11/2017	SL1-16006
1	RCP 1B2	REPLACE RCP 1B2 ROTATING ASSEMBLY	1/12/2017	SL1-16007
3	HCV-14-3A	REPLACE VALVE AND FASTENERS	1/18/2017	SL1-16009
2	V8203	REPLACE MSSV FASTENERS	1/18/2017	SL1-16012
2	V8204	REPLACE MSSV FASTENERS	12/15/2016	SL1-16013

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
2	V8206	REPLACE MSSV FASTENERS	12/15/2016	SL1-16014
3	CW-77	REPLACE FASTENERS ON PIPE ELBOW FOLLOWING INTERNAL PIPE INSPECTION	10/25/2016	SL1-16015
3	CW-386	REPLACE FLANGE FASTENERS	1/18/2017	SL1-16015
2	SE-07-1B	REPLACE SEAL WELD ON SOLENOID VALVE FOLLOWING INTERNAL VALVE INSPECTION	11/30/2016	SL1-16016
2	SE-07-1A	REPLACE SEAL WELD ON TARGET ROCK SOLENOID FOLLOWING INTERNAL VALVE INSPECTION	1/23/2017	SL1-16017
3	SB14325	REPLACE VALVE AND FLANGE FASTENERS	1/11/2017	SL1-16018
2	HCV-08-2A	REPLACE VALVE PLUG AND FASTENERS	1/23/2017	SL1-16020
1	V1402	REPLACE PORV PILOT DISC	1/11/2017	SL1-16022
2	V8209	REPLACE MSSV FLANGE FASTENERS	12/14/2016	SL1-16023
2	V8214	REPLACE MSSV INLET FLANGE FASTENERS	12/15/2016	SL1-16024
1	V1404	REPLACE PORV MAIN DISC	12/15/2016	SL1-16025

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
2	SE-07-2A	REMOVE / REINSTALL SEAL WELD ON TARGET ROCK SOLENOID VALVE	1/23/2017	SL1-16026
3	HCV-21-7B	REPLACE VALVE DISC, BODY, BODY END, AND FASTENERS	1/11/2017	SL1-16029
3	ISH-1, CW-11	INSTALL PREFABRICATED REPLACEMENT PIPE SPOOL CW-11-2 BY BOLTED CONNECTION. REPLACE RESTRAINT ISH-1 BY WELDING.	1/24/2017	SL1-16030
3	CW-11	PREFABRICATE PIPE SPOOL CW-11-2 AND PIPE RESTRAINT ISH-1 BY WELDING	2/1/2017	SL1-16030
3	CW-11	REPLACE VALVE FLANGE FASTENERS FOR SB21209 AND V21208	10/27/2016	SL1-16030
1	RC-005-86	REPLACE SPRING CAN SUPPORT RC-005-86	1/24/2017	SL1-16033
3	CCW HX 1A	REPLACE END BELL FASTENERS	1/18/2017	SL1-16034
3	CCW HX 1B	REPLACE CCW HX 1B END BELL FASTENERS AND HX TUBES	10/27/2016	SL1-16035
3	SS-21-1B	REPLACE STRAINER FASTENERS	1/12/2017	SL1-16037
2	SE-07-2B	INSTALL SEAL WELD ON TARGET ROCK SOLENOID FOLLOWING INTERNAL VALVE INSPECTION.	11/30/2016	SL1-16038
3	ISH-4	REPLACE PIPE SUPPORT BY WELDING	1/24/2017	SL1-16042

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
2	V2324	REPLACE RELIEF VALVE INTERNALS	12/15/2016	SL1-16045
3	CW-8009-44	REPLACE DEGRADED SUPPORT MEMBERS BY WELDING	1/31/2017	SL1-16047
1	1-120	REPLACE LOAD PIN ON SNUBBER 1-120	10/31/2016	SL1-16048
1	V3217	REPLACE CHECK VALVE DISC AND FASTENERS	10/29/2016	SL1-16049
2	V2325	REPLACE RELIEF VALVE WITH NEW SPARE VALVE.	12/15/2016	SL1-16050
3	CW-72	REPLACE PIPE SPOOLS CW-72-4 AND CW-72-5 BY WELDING AND BOLTED CONNECTIONS. REMOVE AND RE-INSTALL PIPE SUPPORTS TO FACILITATE PIPE SPOOL REPLACEMENT.	2/1/2017	SL1-16053
2	V8210	REPLACE MSSV FLANGE FASTENERS	12/15/2016	SL1-16054
3	HVS-1D MTR HX	REPLACE HVS-1D MOTOR HEAT EXCHANGER BY WELDING	1/19/2017	SL1-16055
3	HVS-1C MTR HX	REPLACE HVS-1C MOTOR HEAT EXCHANGER BY WELDING	1/19/2017	SL1-16056
3	HVS-1B MTR HX	REPLACE HVS-1B MOTOR HEAT EXCHANGER BY WELDING	1/19/2017	SL1-16057
3	HVS-1A MTR HX	REPLACE HVS-1A MOTOR HEAT EXCHAGER BY WELDING	1/19/2017	SL1-16058

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	PRESSURIZER	REPLACE PZR MANWAY STUDS AND NUTS	1/18/2017	SL1-16059
2	V07172	REPLACE VALVE DISC	1/23/2017	SL1-16066
3	FE-09-2A	REPLACE FLANGES AND FLANGE FASTENERS	1/23/2017	SL1-16067
3	CW-407	REPLACE DRAIN PIPE AND FLANGE BY WELDING AND BOLTED CONNECTION	1/31/2017	SL1-16068
3	CW-11	PERFORM WELD BUILD-UP ON INTERNAL PIPE CORROSION PIT TO RESTORE TO NOMINAL THICKNESS.	1/24/2017	SL1-16069
2	V08117	PERFORM WELD BUILD-UP ON DISC COUNTER BORE TO RESTORE ROUNDNESS. WELD ANTI-ROTATIONAL PIN TO DISC. REPLACE TWO STUDS.	1/31/2017	SL1-16070
3	CW-105	PERFORM WELD BUILDUP ON PIPE FLANGE FACE TO RESTORE SEALING SURFACE	1/23/2017	SL1-16071
3	V09303	REPLACE VALVE BY WELDING	1/23/2017	SL1-16074
3	AFW PP 1C	REPLACE VALVE BONNET STUD	12/15/2016	SL1-16075
3	V12498	MACHINE VALVE STUFFING BOX TO RESTORE UNIFORM CYLINDRICAL SHAPE	1/11/2017	SL1-16076
3	ISH-10	INSTALL REINFORCING GUSSETS FOR ISH-10 ITEM #9 BY WELDING PER EC 287704	1/24/2017	SL1-16077

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE
PSL 1 - 4th Interval, 3rd Period, Outage 27

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
2	V8215	REPLACE MSSV INLET FLANGE FASTENERS	12/14/2016	SL1-16081
2	V8212	REPLACE MSSV FASTENERS	1/12/2017	SL1-16082