



JUL 09 2018

L-2018-135
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; Fifth Interval – First Period; SL1-28
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 1, SL1-28 outage, Owner's Activity Report, Form OAR-1. The OAR-1 report is prepared, certified, and submitted upon completion of each refueling outage. The SL1-28 refueling outage ended on April 11, 2018.

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

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: ISI-PSL-1-2018

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.: SL1-28

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

Current Inspection Period: ISI Fourth Interval Extended-Third, Fifth Interval-First and IWE-Second

Edition and Addenda of Section XI applicable to the inspection plan: ISI Fourth Interval Extended-2001 Edition with Addenda through 2003, ISI Fifth Interval-2007 Edition with Addenda through 2008 and IWE-2001 with Addenda through 2003.

Date and Revision of inspection plan: ISI - Fourth Interval March 5, 2018 Rev. 5 & Fifth Interval February 5, 2018 Rev. 0
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: As Referenced in the ISI Program Plan and Schedule

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 [Signature] FLORIDA PROGRAM ENGINEERING MGR Date 7/3/18
Owner or Owner's Designee, Title
R D GIL

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 14292 R.N. I GA 983
Inspector's Signature National Board, State, Province, and Endorsements

Date July 6, 2018

FORM OAR-1 OWNER'S ACTIVITY REPORT

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

FORM OAR-1 OWNER'S ACTIVITY REPORT

TABLE 2				
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE				
Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
3	ICW PP 1C	REPLACE PUMP WITH REFURBISHED SPARE PUMP	6/7/2018	SL1-13105
3	SB21190	REPLACE VALVE BY BOLTED CONNECTION	6/7/2018	SL1-15004
3	SB21206	REPLACE VALVE BY BOLTED CONNECTION.	6/7/2018	SL1-16027
3	HCV-25-1A	REPLACE PIPE FLANGE FASTENERS FOLLOWING INSTALLATION OF ORIFICE PLATE	6/6/2018	SL1-16051
3	HCV-25-3A	REPLACE PIPE FLANGE FASTENERS FOLLOWING INSTALLATION OF ORIFICE PLATE	6/6/2018	SL1-16051
3	HCV-25-4A	REPLACE PIPE FLANGE BOLTING FOLLOWING INSTALLATION OF ORIFICE PLATE	6/6/2018	SL1-16051
3	HCV-25-5A	REPLACE PIPE FLANGE FASTENERS FOLLOWING ORIFICE PLATE INSTALLATION	6/6/2018	SL1-16051
3	HCV-25-6A	REPLACE PIPE FLANGE FASTENERS FOLLOWING INSTALLATION OF ORIFICE PLATE	6/6/2018	SL1-16051
3	HCV-25-7A	REPLACE PIPE FLANGE FASTENERS FOLLOWING INSTALLATION OF ORIFICE PLATE	6/6/2018	SL1-16051

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Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
2	SE-07-1A	INSTALL SEAL WELD FOLLOWING VALVE MAINTENANCE	7/5/2018	SL1-16078
2	SE-07-2A	REPLACE SOLENOID VALVE MAIN DISC	7/5/2018	SL1-16079
2	SE-07-2A	INSTALL SEAL WELD FOLLOWING VALVE MAINTENANCE	7/5/2018	SL1-16079
2	CNTMT VSL	ATTACH REVISED NAMEPLATE FOLLOWING RE-RATING OF CONTAINMENT VESSEL EXTERNAL PRESSURE.	6/7/2018	SL1-16080
1	RCP 1B2	PERFORM WELD REPAIR TO RESTORE BASE MATERIAL	6/21/2018	SL1-17001
2	V08148	WELD BUILD-UP AND MACHINE DISC COUNTERBORE TO RESTORE DIMENSIONAL TOLERANCES. WELD ANTI-ROTATIONAL STUD PIN TO DISC. WELD BUILD-UP AND MACHINE GASKET SEATING SURFACE ON SPARE SHAFT BEARING ASSEMBLY.	6/21/2018	SL1-17007
3	CCW HX 1A	REPLACE HEAT EXCHANGER END BELL FASTENERS	5/23/2018	SL1-17009
3	HCV-14-8B	REPLACE VALVE BY BOLTED CONNECTION	5/23/2018	SL1-17016
3	HCV-21-7A	REPLACE VALVE FLANGE FASTENERS	6/7/2018	SL1-17017
3	V21402	REPLACE VALVE DISC	6/6/2018	SL1-17018

FORM OAR-1 OWNER'S ACTIVITY REPORT

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	V1402	REPLACE VALVE INLET FLANGE FASTENERS	7/6/2018	SL1-17019
1	V1200	REPLACE RELIEF VALVE INLET FLANGE NUTS	7/6/2018	SL1-17021
1	V1201	REPLACE RELIEF VALVE SPINDLE AND INLET FLANGE FASTENERS	7/6/2018	SL1-17022
1	V1202	REPLACE RELIEF VALVE INLET FLANGE NUTS	7/6/2018	SL1-17023
2	V8201	REPLACE RELIEF VALVE INTERNALS AND INLET FLANGE FASTENERS	7/5/2018	SL1-17024
2	V8202	REPLACE RELIEF VALVE INTERNALS AND INLET FLANGE FASTENERS	7/5/2018	SL1-17025
2	V8205	REPLACE RELIEF VALVE INTERNALS AND INLET FLANGE FASTENERS	7/5/2018	SL1-17026
2	V8211	REPLACE RELIEF VALVE AND INLET FLANGE FASTENERS	6/20/2018	SL1-17027
2	V8213	REPLACE RELIEF VALVE AND INLET FLANGE FASTENERS	6/20/2018	SL1-17028
3	CC-13	REMOVE/RE-INSTALL PIPE SUPPORTS BY WELDING AND BOLTED CONNECTION. REPLACE DEGRADED BEAMS BY WELDING.	6/27/2018	SL1-17033

FORM OAR-1 OWNER'S ACTIVITY REPORT

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
3	CC-13	REPLACE DEGRADED MEMBER OF PIPE SUPPORT BY WELDING	6/27/2018	SL1-17033
3	SS-21-1A	REPLACE STRAINER BOLTING	5/23/2018	SL1-17034
2	SG 1A	REPLACE 1A S/G SECONDARY SIDE HAND HOLE STUD/NUT	6/27/2018	SL1-17035
2	SG 1B	REPLACE 1B S/G SECONDARY SIDE HAND HOLE STUD/NUT	7/5/2018	SL1-17036
1	PRZR	REPLACE PRESSURIZER MANWAY STUDS/NUTS	4/26/2018	SL1-17038
3	CW-78	REPLACE HORIZONTAL STRUT ON SUPPORT CW-999-351	6/27/2018	SL1-17042
3	CW-78	REPLACE DEGRADED PIPE BY WELDING	6/27/2018	SL1-17043
3	TCV-14-4A	REPLACE VALVE BY BOLTED CONNECTION	6/7/2018	SL1-17044
3	CCW HX 1A	REPLACE HEAT EXCHANGER TUBES	6/20/2018	SL1-17045
3	CC-16	REPLACE DEGRADED STRUT. CUT AND WELD REPLACEMENT STRUT TO FIT FOR INSTALLATION.	6/27/2018	SL1-18001

FORM OAR-1 OWNER'S ACTIVITY REPORT

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
3	HCV-21-7A	REPAIR FLANGE SURFACE PITTING BY WELD BUILD-UP	7/6/2018	SL1-18003
3	CW-30	DRILL AND TAP NEW STUD HOLE IN PATCH PLATE AND 1/4" DEEP INTO PIPE TO INSTALL NEW STUD AND NUT PER EC 290833	4/26/2018	SL1-18004
3	SB21166	REPLACE VALVE FLANGE FASTENERS	6/27/2018	SL1-18005
3	YPH-176	REPLACE SPRING CAN YPH-176	7/5/2018	SL1-18006
3	CC-28-11	REPLACE RIGID STRUT CC-28-11 ON LINE CC-27	5/17/2018	SL1-18007
3	CW-11	PERFORM WELD BUILD UP TO RESTORE WALL THICKNESS	5/17/2018	SL1-18008