



July 17, 2014

L-2014-224
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 – SL2-21 Refueling Outage
Owner's Activity Report (OAR-1)

Enclosed is the St. Lucie Unit 2, SL2-21 outage, Owner's Activity Report, Form OAR-1. The OAR-1 report is prepared, certified, and submitted upon completion of each refueling outage. The SL2-21 refueling outage ended on April 23, 2014.

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'.

Eric S. Katzman
Licensing Manager
St. Lucie Plant

ESK/KWF

Attachment

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

A047
NRR

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: ISI-PSL-2-2014

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.: SL2-21

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

Edition and Addenda of Section XI applicable to the inspection plans: ISI-2007 with Addenda through 2008, 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-October 25, 2013, Rev. 0, IWE-August 31, 2009, Rev. 1

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan: 1998 Edition with Addenda through 2000 for repairs or replacements performed prior to August 8, 2013.

Code Cases Used: N-460, N-532-4, N-586-1, N-649, N-706-1, N-722-1, N-729-1, N-733, N-735, N-751, 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 SL2-21 conform to the requirements of Section XI.

Signed  MARVIN FURR, Fuel Eng. Planner Date 7/2/14
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 HSB Global Standards 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.

 Commissions NB14292 A, NI GA983
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/2/2014

FORM OAR-1 OWNER'S ACTIVITY REPORT

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

PSL 2 - 4th Interval, 1st Period, Outage 21

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

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

PSL 2 -4th Interval, 1st Period, Outage 21

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	V3124	REPLACEMENT OF VALVE DISC.	13-Apr-14	10054
1	V1475	REPLACEMENT OF PORV DISC, AND FLANGE FASTENERS	21-May-14	11065
3	ICW PP 2B	REPLACEMENT OF PUMP ASSEMBLY	28-Feb-14	12009
1	V3247	REPLACEMENT OF COVER FASTENERS.	21-May-14	12085
2	V2167	REPLACE CHECK VALVE DISC.	23-Jan-14	13002
2	SS-02-2A	REPLACEMENT OF FLANGE FASTENERS IN FLANGE CONNECTION.	23-Jan-14	13005
1	037	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER	12-Apr-14	13006
2	047	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13007
2	052	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13008
2	057	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13009
2	074	NEW SNUBBER ASSEMBLIES INSTALLED IN PLACE OF OLD SNUBBERS.	12-Apr-14	13010
1	076	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13011

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ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

PSL 2 -4th Interval, 1st Period, Outage 21

2	079	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13012
1	081	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13013
3	085	REPLACE SNUBBERS WITH NEW SNUBBER ASSEMBLIES.	12-Apr-14	13014
2	087	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER	12-Apr-14	13015
1	090	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13016
2	095	NEW SNUBBER ASSEMBLIES INSTALLED IN PLACE OF OLD SNUBBERS.	12-Apr-14	13017
2	101	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13018
2	102	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13019
1	105	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13020
2	116	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13021
2	117	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13022
1	118	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13023
2	122	NEW SNUBBER ASSEMBLIES INSTALLED IN PLACE OF OLD SNUBBERS.	11-Apr-14	13024

TABLE 2
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PSL 2 -4th Interval, 1st Period, Outage 21

2	131	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13025
2	135	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13026
1	190	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13027
2	195	NEW SNUBBER ASSEMBLIES INSTALLED IN PLACE OF OLD SNUBBERS.	12-Apr-14	13028
2	197	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13029
3	201	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13030
2	203	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13031
2	205	NEW SNUBBER ASSEMBLIES INSTALLED IN PLACE OF OLD SNUBBERS.	12-Apr-14	13032
2	213	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13033
2	215	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13034
2	223	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13035
1	224	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13036
2	228	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER	12-Apr-14	13037

TABLE 2
ABSTRACT REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

PSL 2 -4th Interval, 1st Period, Outage 21

2	332	NEW SNUBBER ASSEMBLY INSTALLED IN PLACE OF OLD SNUBBER.	12-Apr-14	13038
2	103	REPLACEMENT OF EXISTING SNUBBERS WITH NEW SNUBBERS.	12-Apr-14	13039
2	V8201	REPLACEMENT OF VALVE WITH NEW VALVE ASSEMBLY AND FLANGE FASTENERS	23-May-14	13042
2	V8207	REPLACEMENT OF SPINDLE IN SPARE RELIEF VALVE.	05-Jun-14	13043
2	V8207	REPLACEMENT OF VALVE WITH NEW VALVE ASSEMBLY AND FLANGE FASTENERS.	23-May-14	13043
2	V8208	INSTALL NEW VALVE ASSEMBLY AND FLANGE FASTENERS.	07-May-14	13044
2	V8211	REPLACEMENT OF VALVE ASSEMBLY AND FLANGE FASTENERS.	23-May-14	13045
2	V8213	REPLACEMENT OF VALVE ASSEMBLY AND FLANGE FASTENERS.	07-May-14	13046
1	RCP 2A1	REPLACEMENT OF THE ROTATING ASSEMBLY, PUMP COVER AND COVER FASTENERS	21-May-14	13047
2	V09157	REPLACEMENT OF FLANGE FASTENERS	02-Jun-14	13056
3	V2115	REPLACED RELIEF VALVE WITH SPARE VALVE ASSEMBLY AND NEW FLANGE FASTENERS.	02-Jun-14	13058
1	V1202	INSTALLED SPARE RELIEF VALVE IN PLACE OF ORIGINAL VALVE.	11-Apr-14	13061
2	CNTMT SPR PP 2B	REPLACEMENT OF MECHANICAL SEAL ASSEMBLY.	21-May-14	13063

TABLE 2
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PSL 2 -4th Interval, 1st Period, Outage 21

2	V3414	CUT OUT SEAL WELD ON BODY TO BONNET CONNECTION.	08-May-14	13065
2	V09119	REPLACEMENT OF CHECK VALVE COVER FASTENERS.	02-Jun-14	13067
2	MV-08-18B	REPLACEMENT OF VALVE DISC AND BONNET FASTENERS	02-Jun-14	13068
3	CCW HX 2B	REPLACEMENT OF END COVER FASTENERS ON HEAT EXCHANGER.	02-Jun-14	13071
3	V21208	REPLACE FLANGE FASTENERS.	02-Jun-14	13072
3	CW-11	PERFORM WELD BUILD UP OF EXCAVATED AREAS INSIDE OF 30" PIPE ELBOW AT SIX LOCATIONS. ONE OF THE REPAIRS IS THROUGH WALL.	23-May-14	13072
2	049	REPLACED MECHANICAL SNUBBER WITH HYDRAULIC PER EC 278812.	12-Apr-14	13073
2	050	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW EC278812	12-Apr-14	14001
2	082	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW EC278812	12-Apr-14	14002
2	083	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW EC278812	12-Apr-14	14003
1	097	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW EC278812	12-Apr-14	14004
1	106	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW278812	12-Apr-14	14005
3	200	REPLACE MECHANICAL SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW EC278812	12-Apr-14	14006

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PSL 2 -4th Interval, 1st Period, Outage 21

1	PRZR	REPLACEMENT OF PRZR MANWAY STUDS AND NUTS.	23-May-14	14007
2	011	REPLACE SNUBBER WITH NEW SNUBBER ASSEMBLY TO FACILITATE TESTING.	12-Apr-14	14008
2	MV-09-10	INSTALLED NEW VALVE DISC.	02-Jun-14	14011
2	MV-09-9	REPLACEMENT OF VALVE DISC / PLUG	08-May-14	14012
2	SDC HX 2A	PERFORM LIGHT METAL REMOVAL TO REDUCE INDICATIONS FOUND DURING ISI EXAMINATION REPORTED PER AR 01949718. LIQUID PENETRANT EXAMINATION WILL BE PERFORMED TO VERIFY	23-May-14	14016
2	V09135	REPLACEMENT OF VALVE DISC IN SWING CHECK VALVE.	21-May-14	14017
2	V09135	REPLACEMENT OF BODY TO BONNET FASTENERS IN CHECK VALVE.	21-May-14	14017
2	SE-03-2B	REPLACEMENT OF VALVE DISC.	08-May-14	14018
2	SE-03-2B	REMOVED AND REMADE SEAL WELD ON VALVE BONNET IN SUPPORT OF VALVE MAINTENANCE.	08-May-14	14018
2	SE-03-2A	REMOVE REMAKE SEAL WELD FOR VALVE BONNET IN SUPPORT OF VALVE MAINTENANCE.	12-Apr-14	14019
3	MV-08-3	REPLACEMENT OF BODY TO BONNET FASTENERS IN MV-08-3	23-May-14	14020
3	BF-40	REMOVE / REPLACE BOX SUPPORTS ON LINES BF-38, BF-39 & BF-40, BF1-R5, R6, R9 AND BF-2-R2, R3, R4, R5 & R7 BY WELDING.	02-Jun-14	14021
3	C-85	REPLACE PIPE SUPPORTS C-2204-58, C-2204-66, & C-2202-200 BY WELDING.	23-May-14	14021

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PSL 2 -4th Interval, 1st Period, Outage 21

2	FCV-23-3	REPLACEMENT OF VALVE DISC.	22-May-14	14022
2	FUEL TRANS FLANGE	REPLACEMENT OF BLIND FLANGE WITH MODIFIED CLOSURE ASSEMBLY FOR FUEL TRANSFER FLANGE.	21-May-14	14023
2	V3241	REPLACEMENT OF VALVE INTERNALS DISC, SPRING SPINDLE AND NOZZLE.	23-May-14	14024
2	V3211	REPLACEMENT OF SPRING AND SPINDLE IN RELIEF VALVE.	21-May-14	14026
3	CW-9	MODIFY SUPPORT CW-3000-7010 BY WELDING.	08-May-14	14027
1	PRZR	REPLACEMENT OF MANWAY BOLTING	08-May-14	14030
1	SG 2B	INSTALL EXPANDED TUBE PLUG IN STEAM GENERATOR 2B.	08-May-14	14031
2	FCV-25-36	REPLACED VALVE DISC.	21-May-14	14033
1	SG 2B	INSTALL EXPANDED TUBE PLUG IN STEAM GENERATOR 2B.	22-Mar-14	14035
1	SG-2A	INSTALL EXPANDED TUBE PLUGS IN STEAM GENERATOR 2A.	23-Mar-14	14036