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AUG 28 2014

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 18TH REFUELING OUTAGE
OWNER'S ACTIVITY REPORT
PLA-7232**

Docket No. 50-387

The attached report is for the Susquehanna Unit 1 18th Refueling Outage, which is the second Unit 1 refueling outage for the third Inspection Period of the third Inspection Interval for Unit 1. This is the last outage of the third Inspection Interval.

The report was prepared and submitted in accordance with the requirements of ASME Code Case N-532-4.

By copy of this letter, we are transmitting the Owner's Activity Report to the Commonwealth of Pennsylvania.

This letter contains no new regulatory commitments.

If you have any questions, please contact Mr. John L. Tripoli, Manager-Nuclear Regulatory Affairs at (570) 542-3100.

Sincerely,

J. A. Franke

Attachment: Susquehanna Unit 1 18th Refueling Outage Owner's Activity Report

Copy: NRC Region I
Mr. J. Greives, NRC Sr. Resident Inspector
Mr. J. Whited, NRC Project Manager
Mr. L. Winker, PA DEP/BRP

Attachment to PLA-7232

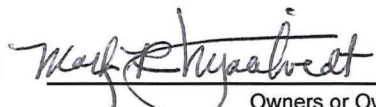
**Owner's Activity Report
Susquehanna Unit 1 18th Refueling Outage**

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number	<u>OAR-1-105</u>		
Plant	<u>Susquehanna Steam Electric Station, 769 Salem Blvd., Berwick, PA 18603</u>		
	(Name and Address of Plant)		
Unit No. <u>1</u>	Commercial service date <u>June 8, 1983</u>	Refueling outage no. <u>18</u>	
(if applicable)			
Current inspection interval <u>3rd</u>	(1st, 2nd, 3rd, 4th, other)		
Current inspection period <u>3rd</u>	(1st, 2nd, 3rd)		
Edition and Addenda of Section XI applicable to the inspection plan.		<u>1998 Edition through the 2000 Addenda</u>	
Date and revision of inspection plan <u>October 16, 2012, Rev. 6</u>			
Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plans.		<u>N/A</u>	
Code Cases used: <u>N-532-4</u>	(if applicable)		

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 Refueling Outage 18 conform to the requirements of Section XI.

Signed , Gen. Manager-Nuclear Engineering
Owners or Owner's Designee, Title

Date 8/21/2014

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 PENNSYLVANIA and employed by OneCIS Insurance Co. of Lynn, MA 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.

Inspector's Signature

Commissions

NB 9544 AIN

PA 2392

National Board, State, Province, and Endorsement

Date

8-21-2014

Susquehanna

Table 1

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

Examination Category and Item Number	Item Description	Evaluation Description
None		

U1-18 RIO Owner's Activity Report

TABLE 2
Abstract of Repair/Replacement Activities Required For Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
Class 1	4" pipe and flange on 'A' Reactor Recirc Chem Decon Blank, VRRB31-1	Repair 4" pipe and flange leak on decon blank	07/05/2012	12-164-1589336-147
Class 3	ESW Piping Downstream of Valve 011045 at the 'B' Diesel Generator, HRC3-2	Replace ESW Piping	12/13/2012	12-024-1646632-182
Class 3	ESW Piping Downstream of Valve 011050 in 0G501C Diesel Bay, HRC3-2	Replace ESW Piping	01/03/2013	12-024-1650983-183
Class 3	ESW Piping, HRC105-1	Perform Process Welding Repair to ESW Piping	03/06/2014	13-154-1688084-019
Class 3	ESW Piping Downstream of Valve 011508 and 011509, HRC3302-1	Replace ESW Piping	10/01/2013	13-054-1655491-020
Class 3	ESW Piping at weld on tee downstream of TI-11158B, SPHRC126-1	Repair ESW Piping	06/05/2013	13-154-1711072-022
Class 3	ESW Piping downstream of Valve 011507, HRC3302-2	Replace ESW Piping	10/01/2013	13-054-1371290-026
Class 3	Hanger HRC202-H9	Fabricate and Replace Hanger.	11/14/2013	13-054-1753453-167
Class 3	ESW Piping Located in HPCI Room at Penetration X-28-1-15, HRC106-1	Repair ESW Piping through wall leak by installing new piping spool	03/06/2014	13-154-1719754-199
Class 3	ESW 'A' Supply Piping Downstream of Isolation Valve 111102, HRC102-1	Repair 14" ESW Piping near a weld	03/06/2014	14-154-1711112-018
Class 3	ESW 'B' Return Line HRC-14 Downstream of Valve 086123	Repair 6" ESW Piping near a valve.	12/19/2013	13-154-1733132-186

Form R-2 Report of Alteration:

None