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AUG 08 2013

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

**SUSQUEHANNA STEAM ELECTRIC STATION  
UNIT 2 16<sup>TH</sup> REFUELING OUTAGE  
OWNER'S ACTIVITY REPORT  
PLA-7051**

**Docket No. 50-388**

The attached report is for the Susquehanna Unit 2 16<sup>th</sup> Refueling Outage, which is the only Unit 2 refueling outage for the 3<sup>rd</sup> Inspection Period of the 3<sup>rd</sup> Inspection Interval for Unit 2.

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,

A handwritten signature in black ink, appearing to be "J. A. Franke", written over a large, light-colored scribble or mark.

J. A. Franke

Attachment: Susquehanna Unit 2 16<sup>th</sup> Refueling Outage Owner's Activity Report

Copy: NRC Document Control Desk  
Mr. J. E. Greives, NRC Sr. Resident Inspector  
Mr. J. A. Whited, NRC Project Manager  
Mr. L. J. Winker, PA DEP/BRP

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**ATTACHMENT TO PLA-7051**

**SUSQUEHANNA UNIT 2 16<sup>TH</sup> REFUEL OUTAGE  
OWNER'S ACTIVITY REPORT**

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

Report Number OAR-1-205

Plant Susquehanna Steam Electric Station, 769 Salem Blvd., Berwick, PA 18603  
(Name and Address of Plant)

Unit No. 2 Commercial service date February 12, 1985 Refueling outage no. 16  
(if applicable)

Current inspection interval 3rd  
(1st, 2nd, 3rd, 4th, other)

Current inspection period 3rd  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans. 1998 Edition through the 2000 Addenda

Date and revision of inspection plans. October 12, 2012, Revision 6


Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans. N/A

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Code Cases used: N-532-4, N578-1, N498-4, N508-3  
(if applicable)

**CERTIFICATE OF CONFORMANCE**

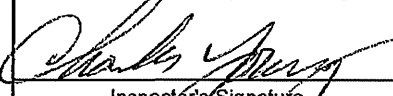
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of Refueling Outage 16 conform to the requirements of Section XI.

Signed , Nuclear GM-Engineering Date June 17, 2013  
Owners 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 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.

 Commissions NB9544 A1W PA 2392  
Inspector's Signature National Board, State, Province, and Endorsement

Date 6-24-13

**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		

U2-16 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 2	Feedwater piping, return line from Reactor Water Cleanup system, DBB222-1	Replaced feedwater piping and reducers thinned by FAC.	5/28/2013	13-245-1618950-63
Class 3	Reactor Water Cleanup Regenerative Heat Exchanger skid, interconnecting piping between 2E207B and 2E207C.	Replaced elbow in interconnecting piping thinned by FAC.	5/28/2013	13-261-1699713-68

Form R-2 Report of Alteration:

None