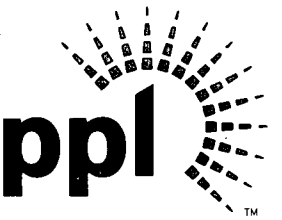
Britt T. McKinney
Sr. Vice President & Chief Nuclear Officer

PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603
Tel. 570.542.3149 Fax 570.542.1504
btmckinney@pplweb.com



JUL 7 2008

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 FIFTEENTH REFUELING OUTAGE
OWNER'S ACTIVITY REPORT **Docket No. 50-387**
PLA-6388

The attached report is for the Susquehanna Unit 1 Fifteenth Refueling Outage, which is the first Unit 1 refueling outage for the 2nd Inspection Period of the 3rd Inspection Interval for Unit 1.

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.

If you have any questions, please contact Mr. Michael H. Crowthers, Manager Nuclear Regulatory Affairs at (610) 774-7766.

Sincerely,

B. T. McKinney

Attachment: Unit 1 Fifteenth Refueling Outage Owner's Activity Report

copy: NRC Region I
R. Janati, DEP/BRP
F. W. Jaxheimer, NRC Sr. Resident Inspector
B. K. Vaidya, NRC Project Manager
Commonwealth of Pennsylvania

A047
NRR

Susquehanna
Form OAR-1 Owner's Activity Report

Report Number OAR-1-102

Plant Susquehanna Steam Electric Station, 769 Salem Blvd., Berwick, PA 18603

Unit No. 1 (if applicable) Commercial service date June 8,1983 Refueling outage no. 15

Current Inspection Interval 3rd (1st, 2nd, 3rd, 4th, other)

Current Inspection Period 2nd (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 December 18, 2007, Revision 3

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

Code Cases used: N-532-4

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 15 conform to the requirements of Section XI.

Signed Richard D Pogue, Gen. Manager - Nuclear Engineering Date 6-17-08
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 PENNSYLVANIA and employed by OneCIS Insurance Co. of Houston, TX 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 evaluations 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.

Delton E Tilley Commissions NB 8845 ANIBNS Pa 2361
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-25-08

Susquehanna

TABLE 1

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATIONS FOR CONTINUED SERVICE

Examination Category and Item number	Item Description	Evaluation Description
None		

Susquehanna

TABLE 2

ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	4 NPS, HRC3-2 ESW pipe leak	Replaced pipe section	6/14/2006	06-024-784934-072

Form R-2 Report of Alteration:

07-147-870306-05	Re-Rate, Feedwater Heater 1E105A
07-147-870319-06	Re-Rate, Feedwater Heater 1E105B
07-147-870974-07	Re-Rate, Feedwater Heater 1E105C
07-147-912975-016	Re-analyze wall thickness, Feedwater Heater 1E105A
07-147-912975-017	Re-analyze wall thickness, Feedwater Heater 1E105C

PLA-6388

O'Rourke, Brenda W

From: Crowthers, Michael H
Sent: Sunday, June 29, 2008 8:15 PM
To: O'Rourke, Brenda W
Subject: RE: PLA-6388 - Owner's Activity Report for the U1 15th RFO

no comment.

Mike

From: O'Rourke, Brenda W
Sent: Wed 6/25/2008 4:40 PM
To: Crowthers, Michael H; Wehry, Richard R
Subject: PLA-6388 - Owner's Activity Report for the U1 15th RFO

Folks,

Attached is the annual Owner's Activity Report (OAR) for the Unit 1 15th RFO. This report is due to the NRC by 7/15/08. Please review the attached PLA and provide comments on the attached review sheet. Comments are due by 7/1/08.

Thank You,
Brenda

<<OAR Report for 2008.pdf>> <<PLA-6388 for OAR - 2008 Unit 1.doc>> <<PLA-6388 review sheet.doc>>

OUTGOING NRC CORRESPONDENCE REVIEW

PLA – **6388** RELEASE DUE DATE TO NRC: **7/15/2008** ORIGINATOR: Brenda O'Rourke

SUBJECT: UNIT 1 FIFTEENTH REFUELING OUTAGE OWNER'S ACTIVITY REPORT | AFFIDAVIT: ☐ YES ☒ NO

VERIFICATION: ☐ REQUIRED ☐ REQUESTED ☒ N/A FORM(S) NDAP-QA-0104-1 ATTACHED: ☐ YES ☒ N/A

NEW OR REVISED REGULATORY COMMITMENTS: *(USE CONTINUATION PAGE, IF NEEDED)*

NO COMMITMENTS

DISTRIBUTION 1 - REVIEW DUE DATE: **July 1, 2008**

☐ M. H. Crowthers	☐	☐	☐
☒ R. R. Wehry	☐	☐	☐
☐	☐	☐	☐
☐	☐	☐	☐
☐	☐	☐	☐

DISTRIBUTION 2 - REVIEW DUE DATE: **July 7, 2008**

☐ R. D. Pagodin	☐	☐	☐	☐

COMMENTS: *(USE CONTINUATION PAGE, IF NEEDED)*

No comments

RESOLUTION: *(USE CONTINUATION PAGE, IF NEEDED)*

N/A

COMMENTS PROVIDED BY: R.R. Wehry	6/26/2008	COMMENTS RESOLVED BY:	
		Randall W. O'Rourke	6-26-08
SIGNATURE	DATE	SIGNATURE	DATE
Signature indicates technical adequacy and completeness, overall suitability and appropriateness of commitments, integrated effects of the letter meets the letter objective except as noted in comments.		Signature indicates that comments have been resolved satisfactorily or that any disagreement between comment and resolution that can't be resolved by the correspondence due date will be brought to the attention of the signer of the correspondence to allow further resolution, if appropriate.	

OUTGOING NRC CORRESPONDENCE REVIEW

PLA – **6388** RELEASE DUE DATE TO NRC: **7/15/2008** ORIGINATOR: Brenda O'Rourke

SUBJECT: UNIT 1 FIFTEENTH REFUELING OUTAGE OWNER'S ACTIVITY REPORT | AFFIDAVIT: ☐ YES ☒ NO

VERIFICATION: ☐ REQUIRED ☐ REQUESTED ☒ N/A FORM(S) NDAP-QA-0104-1 ATTACHED: ☐ YES ☒ N/A

NEW OR REVISED REGULATORY COMMITMENTS: *(USE CONTINUATION PAGE, IF NEEDED)*

NO COMMITMENTS

DISTRIBUTION 1 - REVIEW DUE DATE: **July 1, 2008**

☐ M. H. Crowthers	☐	☐	☐
☐ R. R. Wehry	☐	☐	☐
☐	☐	☐	☐
☐	☐	☐	☐
☐	☐	☐	☐

DISTRIBUTION 2 - REVIEW DUE DATE: **July 7, 2008**

☒ R. D. Pagodin	☐	☐	☐	☐

COMMENTS: *(USE CONTINUATION PAGE, IF NEEDED)*

REVIEWED – No Comments

RESOLUTION: *(USE CONTINUATION PAGE, IF NEEDED)*

N/A

COMMENTS PROVIDED BY:		COMMENTS RESOLVED BY:	
D D Taylor for R. PAGODIN	7/1/08	Brenda W. O'Rourke	7-1-08
SIGNATURE	DATE	SIGNATURE	DATE
Signature indicates technical adequacy and completeness, overall suitability and appropriateness of commitments, integrated effects of the letter meets the letter objective except as noted in comments.		Signature indicates that comments have been resolved satisfactorily or that any disagreement between comment and resolution that can't be resolved by the correspondence due date will be brought to the attention of the signer of the correspondence to allow further resolution, if appropriate.	