

Brad Berryman
Site Vice President

Susquehanna Nuclear, LLC
769 Salem Boulevard
Berwick, PA 18603
Tel. 570.542.2904 Fax 570.542.1504
Brad.Berryman@talenergy.com



JUN 29 2017

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

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 2 18TH REFUELING OUTAGE
OWNER'S ACTIVITY REPORT
PLA-7608**

Docket No. 50-388

In accordance with the requirements of American Society of Mechanical Engineers (ASME) Code Case N-532-5, enclosed is the Owner's Activity Report (Form OAR-1), for the Unit 2 18th refueling outage. This report is for the first refueling outage of the first period of the fourth inspection interval.

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

There are no new regulatory commitments associated with this submittal.

If you have any questions or require additional information, please contact Mr. Jason Jennings (570) 542-3155.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Berryman", with a long horizontal line extending to the right.

B. Berryman

Enclosure: Owner's Activity Report, Susquehanna Steam Electric Station,
Unit 2, 18th Refueling Outage

Copy: NRC Region I
Ms. T. E. Hood, NRC Project Manager
Ms. L. Micewski, NRC Sr. Resident Inspector
Mr. M. Shields, PA DEP/BRP

Enclosure to PLA-7608

**Owner's Activity Report
Susquehanna Steam Electric Station,
Unit 2 18th Refueling Outage**

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number OAR-1-207

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

Unit No. 2 Commercial service date February 12, 1985 Refueling outage no. 18
(if applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plans 2007 Edition through 2008 Addenda

Date and revision of inspection plans Revision 2, 10/31/2016

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

Code Cases used for inspection and evaluation: N-513-3, N-532-5, N-613-1
(if applicable, including cases modified by Case N-532 and later revisions)

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 U218RIO conform to the requirements of Section XI.
(refueling outage number)

Signed [Signature], General Manager, Nuclear Engineering Date 6/22/17
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 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.

[Signature] Commission NB 11315 NI
Inspector's Signature (National Board Number and Endorsement)

Date June 26th 2017

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

Examination Category and Item Number	Item Description	Evaluation Description
None		

**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 3	10" HRC-209 Emergency Service Water Piping	Replace section of piping due to through-wall MIC induced leak	10/5/2016	16-254-1998847-028
Class 3	4" 2E207B/C Reactor Water Cleanup Heat Exchanger Elbow	Replace section of piping due to through-wall FAC induced leak	10/5/2016	16-261-2026360-058