

Timothy S. Rausch
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JUN 22 2010

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

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 SIXTEENTH REFUELING OUTAGE
OWNER'S ACTIVITY REPORT
PLA-6625**

Docket No. 50-387

The attached report is for the Susquehanna Unit 1 Sixteenth Refueling Outage, which is the second 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,

A handwritten signature in blue ink, appearing to read "Timothy S. Rausch", is written over a horizontal line.

T. S. Rausch

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

Copy: NRC Region I
Mr. P. W. Finney, NRC Sr. Resident Inspector
Mr. R. V. Guzman, NRC Sr. Project Manager
Mr. R. R. Janati, DEP/BRP
Commonwealth of Pennsylvania