



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 6, 2013

Mr. Timothy S. Rausch
Senior Vice President and Chief Nuclear Officer
PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603-0467

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 - INTERIM STAFF EVALUATION AND REQUEST FOR ADDITIONAL INFORMATION REGARDING THE OVERALL INTEGRATED PLAN FOR IMPLEMENTATION OF ORDER EA-12-051, RELIABLE SPENT FUEL POOL INSTRUMENTATION (TAC NOS. MF0890 AND MF0891)

Dear Mr. Rausch:

On March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation",¹ to all power reactor licensees and holders of construction permits in active or deferred status. This order requires the licensee to have a reliable indication of the water level in associated spent fuel storage pools capable of supporting identification of the following pool water level conditions by trained personnel: (1) level that is adequate to support operation of the normal fuel pool cooling system, (2) level that is adequate to provide substantial radiation shielding for a person standing on the spent fuel pool operating deck, and (3) level where fuel remains covered and actions to implement make-up water addition should no longer be deferred.

By letter dated February 28, 2013,² PPL Susquehanna, LLC (the licensee) provided the Overall Integrated Plan (OIP) for Susquehanna Steam Electric Station Units 1 and 2, describing how it will achieve compliance with Attachment 2 of Order EA-12-051 by the second quarter of calendar year (CY) 2016, for Unit 1, and the second quarter of CY 2015, for Unit 2. By letter dated June 17, 2013,³ the NRC staff sent a request for additional information (RAI) to the licensee. The licensee provided supplemental information by letters dated July 3, 2013,⁴ and August 26, 2013.⁵ By letter dated August 26, 2013, the licensee updated the information provided in the OIP and indicated that the target completion date for full site implementation is June 2015.

The NRC staff has reviewed these submittals with the understanding that the licensee will update its OIP as implementation of the Order progresses. With this in mind, the staff has included an interim staff evaluation with this letter to provide feedback on the OIP. The staff's findings in the interim staff evaluation are considered preliminary and will be revised as the OIP

The Enclosure transmitted herewith contains Security-Related Information.
When separated from the Enclosure, this transmittal document is decontrolled.

¹ Agencywide Documents Access and Management System (ADAMS) Accession No. ML12054A679.

² ADAMS Accession No. ML13064A276.

³ ADAMS Accession No. ML13163A003.

⁴ ADAMS Accession No. ML13186A052.

⁵ ADAMS Accession No. ML13240A215.

T. Rausch

-2-

is updated. As such, none of the staff's conclusions are to be considered final. A final NRC staff evaluation will be issued after the licensee has provided the information requested.

The interim staff evaluation also includes RAIs, response to which the NRC staff needs to complete its review. The licensee should provide the information requested in the 6-month status updates, as the information becomes available. However, the staff requests that all information be provided by September 30, 2014, to ensure that any issues are resolved prior to the date by which the licensee must complete full implementation of Order EA-12-051. The licensee should adjust its schedule for providing information to ensure that all this information is provided by the requested date.

If you have any questions regarding this letter, please contact me at 301-415-4090 or via e-mail at jeffrey.whited@nrc.gov.

Sincerely,



Jeffrey A. Whited, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:
Interim Staff Evaluation and
Request for Additional Information

cc w/out encl: Distribution via Listserv

T. Rausch

-2-

is updated. As such, none of the staff's conclusions are to be considered final. A final NRC staff evaluation will be issued after the licensee has provided the information requested.

The interim staff evaluation also includes RAIs, response to which the NRC staff needs to complete its review. The licensee should provide the information requested in the 6-month status updates, as the information becomes available. However, the staff requests that all information be provided by September 30, 2014, to ensure that any issues are resolved prior to the date by which the licensee must complete full implementation of Order EA-12-051. The licensee should adjust its schedule for providing information to ensure that all this information is provided by the requested date.

If you have any questions regarding this letter, please contact me at 301-415-4090 or via e-mail at jeffrey.whited@nrc.gov.

Sincerely,

/ra/

Jeffrey A. Whited, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:
Interim Staff Evaluation and
Request for Additional Information

cc w/out encl: Distribution via Listserv

DISTRIBUTION

PUBLIC LPLI-2 Reading RidsAcrcsAcnw_MailCTR Resource RidsNrrDeEicb Resource RidsNrrDorlLpII-2 Resource RidsNrrDssSbpb Resource RidsNrrLAABaxter Resource RidsNrrPMSusquehanna Resource	RidsRgn1MailCenter Resource C. Roque-Cruz, NRR D. Rahn, NRR G. Casto, NRR M. Mitchell, NRR R. Kuntz, NRR B. Purnell, NRR J. Greives, RI
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

**ADAMS Accession Nos.: Package/ML 13295A523; Non-public letter/ML13295A540;
OUO Enclosure/ ML13295A588; Public Letter/ML13295A606
*via memo dated **via email**

OFFICE	NRR/DORL/LPLI-2/PM	NRR/DORL/LPLI-2/LA	NRR/DSS/SBPB/BC
NAME	JWhited	ABaxter **	GCasto*
DATE	10/28/2013	10/28/2013	10/7/2013
OFFICE	NRR/DE/EICB/BC	NRR/DORL/LPLI-2/BC	NRR/DORL/LPLI-2/PM
NAME	JThorp*	VRodriguez	JWhited
DATE	10/7/2013	11/06/2013	11/06/2013

OFFICIAL RECORD COPY