



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I**
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

April 1, 2013

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

**SUBJECT: ASSESSMENT FOLLOW-UP LETTER SUSQUEHANNA STEAM ELECTRIC
STATION, UNIT 2 (05000388/2013009)**

Dear Mr. Rausch:

As a result of its continuous review of plant performance, the U. S. Nuclear Regulatory Commission (NRC) updated its assessment of Susquehanna Steam Electric Station (Susquehanna) Unit 2. The NRC's evaluation consisted of a review of performance indicators and inspection results. This letter informs you of the NRC's assessment of and its plans for a future inspection at your facility. This letter supplements, but does not supersede, the annual assessment letter issued on March 4, 2013.

As discussed in the annual assessment letter, the NRC determined the performance of Susquehanna Unit 2 during 2012 was within the Licensee Response column of the NRC's Reactor Oversight Process (ROP) Action Matrix. Subsequently on March 20, 2013, PPL staff submitted a revision for the "Unplanned Scrams with Complications" Performance Indicator (PI). The revision reported the December 16, 2012 automatic plant shutdown (scram) as complicated because operators re-entered emergency operating procedures after the scram had occurred.

The NRC's review of Susquehanna Unit 2 identified the revised Unplanned Scrams with Complications PI crossed the green-to-white threshold (i.e., greater than one complicated scram). Specifically, Unit 2 had complicated scrams on November 9, 2012 and December 16, 2012. As a result, the NRC revised its assessment of Susquehanna Unit 2 to conclude that during the fourth quarter 2012, performance of Susquehanna Unit 2 is in the Regulatory Response column of the NRC's ROP Action Matrix because the "Unplanned Scrams with Complications" PI is in the white band. Therefore, the NRC plans to schedule and perform a supplemental inspection using Inspection Procedure (IP) 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The NRC requests that your staff provide notification of your readiness for the NRC to conduct this supplemental inspection.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS

is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Mr. Mel Gray at 610-337-5209 with any questions you have regarding this letter.

Sincerely,

/RA/

Darrell J. Roberts, Director
Division of Reactor Projects

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