

**Timothy S. Rausch**  
Senior Vice President & Chief Nuclear Officer

**PPL Susquehanna, LLC**  
769 Salem Boulevard  
Berwick, PA 18603  
Tel. 570.542.3345 Fax 570.542.1504  
tsrausch@pplweb.com



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

**SUSQUEHANNA STEAM ELECTRIC STATION  
OVERALL INTEGRATED PLAN IN RESPONSE TO  
MARCH, 12, 2012 COMMISSION ORDER TO MODIFY  
LICENSES WITH REGARD TO RELIABLE SPENT  
FUEL POOL LEVEL INSTRUMENTATION  
(NRC ORDER EA-12-051)  
PLA-6980**

**Docket Nos. 50-387  
50-388**

- References:*
1. *NRC Order Number EA-12-051, Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation, dated March 12, 2012.*
  2. *NRC Interim Staff Guidance JLD-ISG-2012-03, Compliance with Order EA-12-051, Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation, Revision 0, dated August 29, 2012*

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an Order (Reference 1) to PPL Susquehanna, LLC (PPL). Reference 1 was immediately effective and directed PPL to have a reliable indication of the water level in the Susquehanna Steam Electric Stations' (SSES's) spent fuel storage pools. Specific requirements were outlined in Attachment 2 to Reference 1.

Reference 1 required submission of an Overall Integrated Plan by February 28, 2013. The interim staff guidance (Reference 2) was issued August 29, 2012 which provided direction regarding the content of this Overall Integrated Plan. The purpose of this letter is to provide PPL's Overall Integrated Plan pursuant to Section IV, Condition C.1, of Reference 1. This letter also confirms that PPL received Reference 2 and is submitting an Overall Integrated Plan that complies with the guidance for providing a reliable indication of the water level in associated spent fuel storage pools as described in Attachment 2 of Reference 1.

Reference 2, Section 4.0 contains the specific reporting requirements for the Overall Integrated Plan. The information in Enclosure 1 to this letter provides PPL's Overall Integrated Plan pursuant to Section 4.0 of Reference 2.

If you have any questions regarding this submittal, please contact Mr. John L. Tripoli, Manager, Nuclear Regulatory Affairs, at (570) 542-3100.

This letter does not contain any new or revised regulatory commitments. The information contained in this submittal is based on conceptual level design information. The final design process will determine actual details such as - connection points, specific components, and electrical sizing and routing.

PPL requests that Enclosure 1 to this letter be withheld from public disclosure. The information represents Security-Related information as defined by 10 CFR 2.390.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2/28, 2013.

T. S. Rausch



Enclosure: I. Susquehanna Units 1 & 2 Overall Integrated Plan with Regard to  
Reliable Spent Fuel Pool Level Indication Overall Integrated Plan -  
Withhold From Public Disclosure - 10 CFR 2.390

Copy: Mr. P. W. Finney, NRC Sr. Resident Inspector  
Mr. J. A. Whited, NRC Project Manager  
Mr. L. J. Winker, PA DEP/BRP  
Region I Administrator, NRC

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**Enclosure 1 to PLA-6980**

**Susquehanna Units 1 & 2 Overall Integrated Plan  
with Regard to Reliable Spent Fuel Pool Level  
Indication Overall Integrated Plan**

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