



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

August 24, 2015

Mr. Jon A. Franke  
Site Vice President  
Susquehanna Nuclear, LLC  
769 Salem Boulevard  
NUCSB3  
Berwick, PA 18603-0467

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 – REQUEST  
FOR ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT  
REQUEST TO ADOPT TECHNICAL SPECIFICATIONS TASK FORCE  
TRAVELER (TSTF)-425 (TAC NOS. MF5151 AND MF5152)

Dear Mr. Franke:

By letter dated October 27, 2014, as supplemented by letter dated July 2, 2015, Susquehanna Nuclear, LLC submitted a license amendment request for the Susquehanna Steam Electric Station, Units 1 and 2 (SSES). The proposed amendment would modify the SSES technical specifications by relocating specific surveillance frequencies to a licensee-controlled program with the implementation of Nuclear Energy Institute 04-10, "Risk-Informed Technical Specifications Initiative 5b, Risk-Informed Method for Control of Surveillance Frequencies." To complete its review, the U.S. Nuclear Regulatory Commission staff requests responses to the enclosed questions.

The draft questions were sent to Mr. Richard McIntosh to ensure that they were understandable, the regulatory basis for the questions was clear, and to determine if the information was previously docketed. Please respond to the enclosure within 30 days of the date of this letter.

If you have any questions regarding this matter, please contact me at 301-415-4090 or [Jeffrey.White@nrc.gov](mailto:Jeffrey.White@nrc.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey A. Whited", is located above the typed name.

Jeffrey A. Whited, Project Manager  
Plant Licensing Branch 1-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:  
Request for Additional Information

cc w/enclosure: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION  
LICENSE AMENDMENT REQUEST TO ADOPT TECHNICAL SPECIFICATIONS TASK  
FORCE TRAVELER-425 TO RELOCATE SPECIFIC  
SURVEILLANCE FREQUENCIES TO A LICENSEE-CONTROLLED PROGRAM  
SUSQUEHANNA NUCLEAR, LLC  
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2  
DOCKET NOS. 50-387 AND 50-388

By letter dated October 27, 2014,<sup>1</sup> as supplemented by letter dated July 2, 2015,<sup>2</sup> Susquehanna Nuclear, LLC (the licensee), submitted a license amendment request for the Susquehanna Steam Electric Station, Units 1 and 2 (SSES). The proposed amendment would modify the SSES technical specifications by relocating specific surveillance frequencies to a licensee-controlled program with the implementation of Nuclear Energy Institute (NEI) 04-10, "Risk-Informed Technical Specifications Initiative 5b, Risk-Informed Method for Control of Surveillance Frequencies."<sup>3</sup> To complete its review, the U.S. Nuclear Regulatory Commission staff requests responses to the following questions.

8. In the response to request for additional information (RAI) 3, regarding Supporting Requirement (SR) HR-B2, the licensee clarified that the intent of the finding and observation (F&O) resolution was to indicate that there is no longer any reliance on staggered testing/maintenance principles for screening purposes, and that the pre-initiator process was used for screening. The licensee's response also seems to suggest that all common mode errors were screened out. Discuss the justification and conclusions on screening pre-initiator common mode errors. Also, discuss the considerations and the bases for the inclusion or exclusion of modeling of common-mode errors in the probabilistic risk assessment (PRA).
9. The response to RAI 4 does not discuss reflecting the current plant configuration and operating experience when considering external events using NEI 04-01 guidance. (The response does confirm this for the internal events analysis.) Please explain whether evaluation of fire risk and other external events supporting this application reflects, or considers, the current plant configuration and operating experience.

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<sup>1</sup> Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML14317A052.

<sup>2</sup> ADAMS Accession No. ML15183A248.

<sup>3</sup> ADAMS Accession No. ML071360456.

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Sincerely,  
/RA/

Jeffrey A. Whited, Project Manager  
Plant Licensing Branch 1-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

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Request for Additional Information

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**ADAMS Accession No.: ML15209A974**

**\*via memo dated**

OFFICE	DORL/LPLI-2/PM	DORL/LPLI-2/LA	DRA/APLA/BC	DORL/LPLI-2/BC	DORL/LPLI-2/PM
NAME	JWhited	LRonewicz	SRosenberg*	DBroaddus	JWhited
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