



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

November 9, 2011

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 - REQUEST FOR ADDITIONAL INFORMATION REGARDING 60-DAY RESPONSE TO BULLETIN 2011-01, "MITIGATING STRATEGIES" (TAC NOS. ME6491 AND ME6492)

Dear Mr. Rausch:

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360), to all holders of operating licenses for nuclear power reactors, except those that have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. The purpose of the bulletin was to obtain a comprehensive verification that licensees' mitigating strategies to maintain or restore core cooling, spent fuel cooling, and containment following a large explosion or fire were compliant with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.54(hh)(2). The bulletin requested information on licensee 10 CFR 50.54(hh)(2) mitigating strategies in light of the recent events at Japan's Fukushima Daiichi facility to determine if (1) additional assessment of program implementation is needed, (2) the current inspection program should be enhanced, or (3) further regulatory action is warranted.

The bulletin required two sets of responses pursuant to the provisions of 10 CFR 50.54(f). The first responses were due 30 days after issuance of the bulletin (June 10, 2011). By letter dated June 9, 2011 (ADAMS Accession No. ML111610447), you provided a response to the first set of questions for Susquehanna Steam Electric Station, Units 1 and 2. The second responses were due 60 days after issuance of the bulletin (July 11, 2011). By letter dated July 11, 2011 (ADAMS Accession No. ML111950014), you responded to this second set of questions.

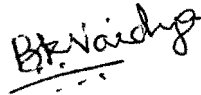
The NRC staff has reviewed the submitted information and determined that it needs additional information regarding your 60-day response to the bulletin. Please respond to the enclosed request for additional information within 30 days of the date of this letter.

T. S. Rausch

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Please contact me at (301)415-3308, if you have any questions on this issue.

Sincerely,

A handwritten signature in black ink, appearing to read "B.K. Vaidya". The signature is written in a cursive style and is positioned above a horizontal line.

Bhalchandra K. Vaidya, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:
As stated

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REQUEST FOR ADDITIONAL INFORMATION (RAI)

REGARDING 60 DAY RESPONSE TO NRC BULLETIN 2011-01, "MITIGATING STRATEGIES"

PPL SUSQUEHANNA, LLC

ALLEGHENY ELECTRIC COOPERATIVE, INC.

SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2

DOCKET NOS. 50-387 AND 388

1. Describe in detail the maintenance or testing of monitor nozzles, spray nozzles, or similar devices to ensure that they will be functional when needed.

The bulletin requested that each licensee describe in detail the maintenance and testing on equipment procured to support the mitigating strategies to ensure that it will be functional when needed. In the context of the mitigating strategies, these devices are commonly used for firefighting, spent fuel pool spray strategies, and as a means to reduce the magnitude of fission product releases. The NRC staff could not determine if you performed activities to ensure that these devices will be functional when needed.

2. Describe in detail the testing and inventory of communications equipment to ensure that it is available and functional when needed.

The bulletin requested that each licensee describe in detail the testing and control of equipment supporting the mitigating strategies to ensure that it will be available and functional when needed. Communications equipment needed to support the mitigating strategies was described in the NRC Safety Evaluation (SE) documenting the NRC review of your response to Section B.5.b of the Interim Compensatory Measures Order (EA-02-026), and typically includes radios, satellite phones, spare batteries, and chargers. The NRC staff could not determine if you performed activities to ensure that communications equipment will be available and functional when needed.

3. Describe in detail how you ensure there is sufficient fuel for the pumping source when needed.

The bulletin requested that each licensee describe in detail the maintenance of equipment supporting the mitigating strategies to ensure that it will be functional when needed. The NRC staff could not determine if you performed activities to ensure that sufficient fuel would be available for the pumping source so that it will be functional when needed.

Enclosure

4. Describe in detail how you assure the availability of debris removal equipment provided by offsite support to respond to a B.5.b event.

The bulletin requested that each licensee describe in detail how it assures the availability of offsite support, including a listing of offsite organization relied upon for emergency response. The NRC SE documenting the NRC review of your response to Section B.5.b of the Interim Compensatory Measures Order (EA-02-026) states that you had arrangements with four local businesses to provide debris removal equipment. These businesses were not listed in your response to Question 5 of the bulletin.

5. Describe in detail how you assure the availability of the Scranton/Wilkes-Barre International Airport to provide offsite support in response to a B.5.b event.

The bulletin requested that each licensee describe in detail how it assures the availability of offsite support, including a listing of offsite organization relied upon for emergency response. The NRC SE documenting the NRC review of your response to Section B.5.b of the Interim Compensatory Measures Order (EA-02-026) relied upon an agreement you had with Scranton/Wilkes-Barre International Airport to provide a fire crash truck. This agreement was not listed in your response to Question 5 of the bulletin.

6. State the inventory frequency for the floating suction strainers.

In response to Question 3 of the bulletin, you listed the floating suction strainers but did not identify the associated inventory frequency.

T. S. Rausch

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Please contact me at (301)415-3308, if you have any questions on this issue.

Sincerely,

/ra/

Bhalchandra K. Vaidya, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:
As stated

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