



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

December 8, 2011

Mr. David A. Heacock  
President and Chief Nuclear Officer  
Dominion Nuclear Connecticut, Inc.  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNIT NOS. 2 AND 3 – REQUEST FOR  
ADDITIONAL INFORMATION REGARDING 60-DAY RESPONSE TO BULLETIN  
2011-01, "MITIGATING STRATEGIES" (TAC NOS. ME6450 AND ME6451)

Dear Mr. Heacock:

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies,"<sup>1</sup> 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 set of responses was due 30 days after issuance of the bulletin (June 10, 2011). By letter dated June 9, 2011,<sup>2</sup> you provided the 30-day response to the bulletin for Millstone Power Station, Unit Nos. 2 and 3 (MPS2 and MPS3, respectively). The second set of responses was due 60 days after issuance of the bulletin (July 11, 2011). By letter dated July 8, 2011,<sup>3</sup> you provided the 60-day response to the bulletin for MPS2 and MPS3.

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.

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<sup>1</sup> Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360

<sup>2</sup> ADAMS Accession No. ML11172A189

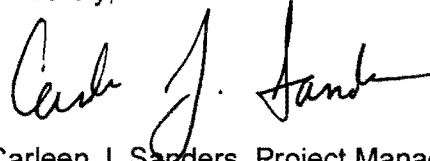
<sup>3</sup> ADAMS Accession No. ML11193A266

D. Heacock

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If you have any questions, please contact me at (301) 415-1603.

Sincerely,

A handwritten signature in black ink, appearing to read "Carleen J. Sanders". The signature is fluid and cursive, with the first name "Carleen" and last name "Sanders" clearly legible.

Carleen J. Sanders, Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-336 and 50-423

Enclosure:  
Request for Additional Information

cc: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

RESPONSE TO BULLETIN 2011-01

MILLSTONE POWER STATION, UNIT NOS. 2 AND 3

DOCKET NOS. 50-336 AND 50-423

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies,"<sup>1</sup> 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 bulletin required two sets of responses pursuant to the provisions of Title 10 of the *Code of Federal Regulations* Section 50.54(f). The first set of responses was due 30 days after issuance of the bulletin (June 10, 2011). By letter dated June 9, 2011,<sup>2</sup> you provided the 30-day response to the bulletin for Millstone Power Station, Unit Nos. 2 and 3 (MPS2 and MPS3, respectively). The second set of responses was due 60 days after issuance of the bulletin (July 11, 2011). By letter dated July 8, 2011,<sup>3</sup> you provided the 60-day response to the bulletin for MPS2 and MPS3.

The NRC staff has reviewed the submitted information and determined that it needs additional information regarding your 60-day response to the bulletin.

1. 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.

2. Clarify how you initially verified the feasibility of using portable sprays to mitigate a release coming from a damaged or failed containment.

The bulletin requested that each licensee describe in detail the testing of equipment supporting the mitigating strategies, including testing accomplished to ensure the strategies were initially feasible. In response to the bulletin, you list strategy A.4-7 which typically refers to the use of portable sprays to mitigate a release coming from a damaged or failed containment. However, the description of how you ensured the feasibility of strategy A.4-7 appears to be a verification of the strategy for the spent fuel pool spray strategy (A.2-3).

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Enclosure

D. Heacock

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Carleen J. Sanders, Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-336 and 50-423

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**ADAMS Accession No.: ML113340035**

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