



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

April 27, 2010

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. 1, 2, 3 AND INDEPENDENT  
SPENT FUEL STORAGE INSTALLATION – PROPOSED CHANGE TO THE  
MILLSTONE POWER STATION EMERGENCY PLAN (TAC NOS. JO0287,  
ME1396 AND ME1397)

Dear Mr. Heacock:

By letter dated November 24, 2009 (Agencywide Documents Access and Management System Accession No. ML100131116), Dominion Nuclear Connecticut, Inc. (DNC or the licensee) submitted a license amendment request for Millstone Power Station, Unit Nos. 1, 2 and 3 and the Independent Spent Fuel Storage Installation (ISFSI). The November 24, 2009, request supersedes a previous request dated May 28, 2009, as supplemented by letter dated November 13, 2009 (ADAMS Accession Nos. ML091520618 and ML093210107, respectively). The November 24, 2009, letter proposed to make changes to the Millstone Power Station Emergency Plan. Specifically, the request proposed to replace the Emergency Medical Team with a licensee first aid team. The licensee first aid team will be trained in Multi-Media first aid, as a minimum. DNC determined, in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.54(q), that the change will decrease the effectiveness of the approved emergency plan and therefore needs prior U.S. Nuclear Regulatory Commission (NRC) approval.

The requirements of 10 CFR 50.54(q) state that a licensee must maintain in effect emergency plans which meet the standards in 10 CFR 50.47(b) and the requirements of 10 CFR 50 Appendix E. If a change is made to the emergency plan which decreases the effectiveness of the plan, the change must be submitted for prior NRC approval.

The requirements of 10 CFR 50.47(b) state that on-shift licensee responsibilities for emergency response are unambiguously defined, adequate staffing is maintained, arrangements are made for medical services for contaminated injured individuals, radiological emergency response training is provided, and periodic exercises are conducted. In addition, 10 CFR 50, Appendix E requires training be provided for first aid and rescue teams. Regulatory Guide 1.101, "Emergency Planning and Preparedness for Nuclear Power Reactors," Revision 5, provides NRC staff accepted methods for complying with the requirements of 10 CFR 50.47(b) and 10 CFR 50, Appendix E. Regulatory Guide 1.101 also endorses NUREG-0654, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants (FEMA-REP-1)." NUREG-0654 specifies the type of training to be provided to licensee first aid team members who may be called on to assist in an

emergency. Specifically, NUREG-0654 states that “[t]raining for individuals assigned to licensee first aid team shall include courses equivalent to Red Cross Multi-Media.” NUREG-0654 also specifies categories of training to be provided in a training program for instructing and qualifying personnel who will implement radiological emergency response plans, including first aid and rescue personnel.

On June 4, 1998 (ADAMS Legacy Library Accession No. 9806080344), the NRC staff approved Revision 24 of the Millstone Power Station Emergency Plan. The safety evaluation documenting this review covers the following areas and found them to be adequately addressed: assignment of responsibility, onsite emergency organization, emergency response support and resources, emergency classification system, notification methods and procedures, emergency communications, public education and information, emergency facilities and equipment, accident assessment, protective responses, radiological exposure control, medical and first aid support, recovery and reentry planning, exercises and drills, radiological emergency response training, and Millstone Power Station Emergency Plan development and review. Specifically, the safety evaluation states that “[t]he licensee has arrangements with local support agencies for ambulance services, hospital facilities, fire fighting assistance, and radiological laboratories, which are identified in the [Emergency] Plan,” and that “[f]irst aid and other medical supplies are provided for at the plant. Shift personnel, trained in first aid, are available on a 24-hour per day basis. The [Emergency] Plan contains arrangements for transportation of potentially contaminated injured individuals to offsite medical facilities. Two hospitals are identified in the [Emergency] Plan for the treatment of these individuals.”

The NRC staff’s safety evaluation, documenting the review of the Millstone Power Station Emergency Plan, Revision 24, concludes that the Emergency Plan adequately addressed each of the planning standards identified in 10 CFR 50.47(b) and sufficiently encompassed the requirements of 10 CFR 50, Appendix E. The safety evaluation was reviewed against NUREG-0654 guidance and concluded that the criteria of NUREG-0654 had been adhered to. The NRC staff also concluded that “the [Emergency] Plan provides an adequate planning basis for an acceptable state of onsite emergency preparedness in accordance with the requirements of 10 CRF 50.47(b), and Appendix E to 10 CFR Part 50, and is, therefore, acceptable.”

The November 24, 2009, request proposed to replace the Emergency Medical Team with a licensee first aid team. The licensee first aid team will be trained in Multi-Media first aid, at a minimum. Therefore, the licensee first aid team will continue to meet the guidance provided in NUREG-0654. Requiring training at the currently specified Emergency Medical Technician (EMT) level represents a licensee self-imposed commitment that exceeds regulatory standards and requirements.

The NRC staff has reviewed the November 24, 2009, application and concluded that the proposed change would not decrease the effectiveness of the Millstone Power Station Emergency Plan, and the plan, as changed, continues to meet the standard in 10 CFR 50.47(b) and the requirements of 10 CFR 50 Appendix E. Therefore, NRC staff review and prior approval is not necessary to make the change described in the November 24, 2009, letter.

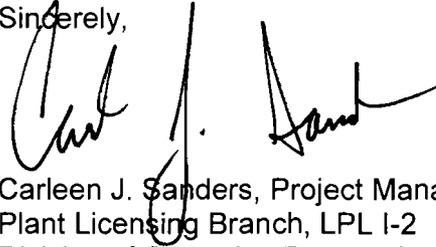
D. Heacock

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NRC staff activities on the review have ceased and the associated Technical Assignment Control numbers have been closed.

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 written in a cursive style with a large initial "C" and a long horizontal stroke at the end.

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

Docket Nos. 50-245, 50-336, 50-423, and 72-47

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D. Heacock

- 3 -

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*/ra/*

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