

February 14, 2002

Mr. J. A. Price  
Vice President - Nuclear Technical Services - Millstone  
Dominion Nuclear Connecticut, Inc.  
P. O. Box 128  
Waterford, Connecticut 06385

SUBJECT: SAFETY ANALYSIS OF MILLSTONE UNIT 1 MISSING FUEL RODS

Dear Mr. Price:

On October 5, 2001, you provided the staff a copy of the report, "Safety Analysis of Millstone Fuel Rods Potentially Disposed in Either the Barnwell, South Carolina or Hanford, Washington Commercial LLRW Disposal Sites," prepared by Dr. Michael T. Ryan (hereafter, the "Ryan Report"). This report supplements the Northeast Nuclear Energy Company's (NNECO) final report, dated October 2001, of its efforts to locate two fuel rods missing from the Millstone Unit 1 spent fuel pool.

The NNECO report concludes that the rods are safely located in one or more of four possible facilities that are licensed to store or dispose of radioactive material. Two of these facilities are disposal sites, the Barnwell facility in South Carolina, and the Hanford facility in Richland, Washington. The NNECO report also concludes that even if the rods were inadvertently shipped to one of these low-level radioactive waste (LLRW) disposal facilities, the presence of the rods does not pose a danger to the health and safety of the workers, the public, or the environment. The basis for these conclusions is the Ryan Report, which contains data and analysis of the disposal impacts.

In order for us to determine the adequacy of the Ryan Report and what, if any, further actions will be required, we have enclosed a request for additional information. If you have any questions regarding matters discussed in the enclosure and its attachments, please contact Thomas Essig, Chief, Environmental and Performance Assessment Branch, Office of Nuclear Material Safety and Safeguards on 301-415-7238.

Sincerely,

*/RA/*

Stuart A. Richards, Director  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-245

Enclosure: Request for Additional Information

cc w/encl: See next page

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Attachment 2: ML020450542 Package: ML020450370

ACCESSION NO.: ML020450361 Attachment 1: ML020450539 \*See Previous Concurrence

OFFICE	PDIV-2/PM	PDIV-2/LA	PDIV-2/SC	OSP/D
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Millstone Nuclear Power Station  
Unit 1

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REQUEST FOR ADDITIONAL INFORMATION

DOMINION NUCLEAR CONNECTICUT, INC.

MILLSTONE UNIT 1

DOCKET NO. 50-245

1. The staff notes that an inadvertent intruder scenario is not addressed in the Ryan Report. Thus, this scenario needs to be addressed by Dominion Nuclear Connecticut, Inc. in order for the staff to make the necessary safety finding.
2. The Licensee Event Report submitted by Northeast Nuclear Energy Company on January 11, 2001, has quantities of radioactive material that are different from the Ryan Report. These discrepancies should be reconciled.
3. The States of South Carolina and Washington have provided their comments on the Ryan Report. Copies of those letters are attached. Please address their comments in your response to this request for additional information.

Attachments: 1. November 8, 2001, letter from Henry Porter,  
State of South Carolina to NRC  
2. November 19, 2001, letter from Gary Robertson,  
State of Washington to NRC