

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

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

DISTRIBUTION:

PUBLIC

RidsDIpmPdIV (Srichards)

PLohaus

TEssig/JKennedy, NMSS

Attachment 2: ML020450542

ACCESSION NO.: ML020450361

PDIV-2 Reading

RidsNrrPMJHickman

RidsOgcRp

RidsDIpm (JZwolinski)

RidsNrrLAEPeyton

RBellamy, Region I

Package: ML020450370

Attachment 1: ML020450539

*See Previous Concurrence

OFFICE	PDIV-2/PM	PDIV-2/LA	PDIV-2/SC	OSP/D
NAME	JHickman	EPeyton*	SDembek*	PLohaus
DATE	2 / 11 /2002	2 / 5 /2002	2 / 6 /2002	/ /2002
OFFICE	NMSS/DWM	OGC	PDIV-2/D	DLPM/D
NAME	TEssig	STreby*	SRichards	JZwolinski
DATE	2/13/2002	2 / 12 /2002	2/13/2002	/ /

OFFICIAL RECORD COPY

Millstone Nuclear Power Station
Unit 1

cc:

Lillian M. Cuoco, Esquire
Senior Nuclear Counsel
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Edward L. Wilds, Jr., Ph.D.
Director, Division of Radiation
Department of Environmental
Protection
79 Elm Street
Hartford, CT 06106-5127

Mr. Allan Johanson, Assistant Director
Office of Policy and Management
Policy Development & Planning Division
450 Capitol Avenue - MS# 52ERN
P.O. Box 341441
Hartford, CT 06134-1441

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

First Selectmen
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

Attorney Nicholas J. Scobbo, Jr.
Ferriter, Scobbo, Caruso, Rodophele, PC
75 State Street, 7th Floor
Boston, MA 02108-1807

Ernest C. Hadley, Esquire
1040 B Main Street
P.O. Box 549
West Wareham, MA 02576

The Honorable Terry Concannon
Co-Chair
Nuclear Energy Advisory Council
41 S. Buckboard Lane
Marlborough, CT 06447

Mr. Evan W. Woollacott, Co-Chair
Nuclear Energy Advisory Council
128 Terry's Plain Road
Simsbury, CT 06070

Citizens Regulatory Commission
ATTN: Ms. Susan Perry Luxton
180 Great Neck Road
Waterford, CT 06385

Deborah Katz, President
Citizens Awareness Network
P.O. Box 83
Shelburne Falls, MA 03170

Mr. John Buckingham
Department of Public Utility Control
Electric Unit
10 Liberty Square
New Britain, CT 06051

Nancy Burton, Esquire
147 Cross Highway
Redding Ridge, CT 06876

Mr. D. A. Christian
Senior Vice President - Nuclear Operations
and Chief Nuclear Officer
Innsbrook Technical Center-2SW
5000 Dominion Boulevard
Glen Allen, VA 23060

Mr. W. R. Matthews
Vice President and Senior Nuclear
Executive - Millstone
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Mr. E. S. Grecheck
Vice President - Nuclear
Operations/Millstone
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Mr. R. P. Necci
Vice President - Nuclear Technical
Services/Millstone
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Mr. D. J. Meekhoff
Unit 1 General Manager
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Mr. D. A. Smith
Process Owner - Regulatory Affairs
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

Mr. P. J. Parulis
Process Owner - Oversight
Dominion Nuclear Connecticut, Inc.
Rope Ferry Road
Waterford, CT 06385

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