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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

OFFICE OF THE SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of:	:	Docket No. 50-423-LA-3
	:	
	:	ASLBP No. 00-771-01-LA
Dominion Nuclear Connecticut, Inc.	:	
	:	
(Millstone Nuclear Power Station,	:	
Unit No. 3)	:	December 5, 2001

**Intervenors' First Set of Interrogatories and Request for Production in the Reopened Proceedings Directed to NRC Staff**

**Introduction**

In accordance with the schedule established in the Atomic Safety and Licensing Board panel ("Licensing Board") teleconference call among the parties on October 31, 2001, the Connecticut Coalition Against Millstone ("CCAM") and Long Island Coalition Against Millstone ("CAM")(collectively, "Intervenors") herewith request the Staff of the U.S. Nuclear Regulatory Commission ("NRC Staff") to: (1) answer their First Set of Interrogatories fully, in writing, and under oath, within 14 days after service of this request pursuant to 10 CFR 2.740b; and (2) produce the documents requested below within 30 days after service of this request pursuant to 10 CFR 2.741(d).

## **Definitions**

"Documents" means the complete original or a true, correct and complete copy and any non-identical copies, whether different by reason of any notation or otherwise, of any written or graphic matter of any kind, or any data compilation, no matter how produced, recorded, stored or reproduced (including electronic, mechanical, or electronic records or representation of any kind) including, but not limited to, any writing, letter, telegram, facsimile, meeting minutes, meeting notes, memorandum, statement, computer file, book, record, survey, map, study, handwritten note, working paper, chart, tabulation, graph, tape, data sheet, database, data processing card, printout, microfilm, microfiche, interoffice and intraoffice communications, instructions, reports, demands, schedules, notices, recordings, analyses, sketches, manuals, brochures, telephone minutes, calendars, accounting ledgers, invoices, indices, notebooks, personal notes, diary entries, electronic mail, notes of interview, communication, contracts, any other agreements, data compilations, and all other writings and papers similar to any of the foregoing, however designated by you, including all drafts of all such documents. If the document has been prepared and several copies or additional copies have been made that are not identical (or are no longer identical by reason of the subsequent addition of notations or other modifications), each non-identical copy is to be construed as a separate document.

## **Request for Interrogatories**

1. Please identify each person who supplied information for responding to these Interrogatories and Request for Production. Specifically note the Interrogatories for which each such person supplied information.
  
2. Re: NRC Office of Investigations Report entitled "Millstone Nuclear Power Station, Unit 1: Failure to Report Missing or Lost Radioactive Fuel Rods in a Timely Manner" ("OI Report") dated September 28, 2001
  - a. Please identify the names, addresses, telephone numbers and business affiliations of all individuals interviewed for the OI Report, their position, and their status as employee or contract worker and, if a contract worker, the name and address of the contractor.
  
  - b. Please identify all documents requested to be provided to and provided to the Office of Investigations.
  
3. Re: Assessments of spent fuel pool system issues regarding Millstone Units 1, 2 and 3, either individually or as a group.
  - a. Please identify by title, date and author all reports prepared by the licensee or its contractors concerning such assessments and all draft versions thereof.
  
  - b. Please identify the name, address, title and business affiliation of all NRC Staff who had access to such assessments.
  
4. Please identify by date and title all reports of NRC finishing inspections of the fuel storage systems at Millstone Unit 1.
  
5. Re: Spent Fuel Project ("SFP")
  - a. Please identify by name and position all NRC Staff assigned to participate in any capacity with respect to the SFP, including outside consultants, their business affiliation and the location of their companies, and the nature and extent of their participation.
  
  - b. Please identify by date, title and author all Adverse Condition Reports ("ACRs") generated by the SFP.

6. Re: Information Submitted to NRC Concerning the Inventory of Spent Fuel at Millstone Unit 1

- a. Please identify all documents submitted to the U.S. Nuclear Regulatory Commission since September 1, 1972.
- b. Please identify the names of all NRC Staff involved in reviewing and analyzing the information.
- c. Please identify the name and department within the NRC to whom such information was submitted.

7. Please state whether NNECO or DNC has reported any lost, stolen or missing licensed material to the NRC pursuant to 10 CFR Part 20.2201(a)(1)(ii) and, if so, please identify each such report by title, date and author.

8. Offsite Facilities

- a. Please identify all correspondence available to NRC Staff between NNECO and its consultants and contractors in the Fuel Rod Accountability Project with the following facilities:

(1) GE facilities in Wilmington, NC, Morris IL, San Jose CA

(2) Vallecitos Nuclear Center

(3) LLRW storage facilities in Barnwell, SC

(4) LLRW storage facilities in Richland, WA

- b. Please identify all correspondence available to NRC Staff with officials of the states of California, South Carolina and Washington.

9. Please provide the name and positions of all NRC inspectors whose responsibilities have included the spent fuel pool inventory of Millstone Unit 1 since September 1, 1972.

10. Re: United States Nuclear Regulatory Commission, Technical Study of Spent Fuel Accidents at Decommissioning Plants, October 2000.

Please provide the following information regarding attributes identified by the Technical Study as necessary to achieve high levels of human reliability for responding to potential spent nuclear fuel pool accident scenarios at Millstone,

whether these attributes have been achieved and the date(s) by which such have been achieved:

- a) Draft and final analyses of cask drop accidents at spent fuel pools;
  
- (b) The installment and deployment of single-failure-proof cranes for handling of heavy loads;
  
- (b) Written and formalized procedures and training of personnel to ensure that onsite and offsite resources can be brought to bear during a spent fuel pool accident;
  
- (c) Proof of the availability of diesel driven fire pumps required for offsite replenishment of spent fuel pool water;
  
- (d) Written and formal procedures to establish communication between onsite and offsite organizations during severe weather or seismic events;
  
- (e) A written and formal offsite resource plan that includes access to portable pumps and emergency power to supplement onsite resources and identifies organizations and suppliers where offsite resources could be obtained in a timely manner;
  
- (f) Documentation demonstrating the deployment of spent fuel instrumentation including temperature, radiation levels, water chemistry, water levels, equipment failure diagnostics, readouts and alarms in the control room (or wherever cognizant personnel are stationed);
  
- (g) Proof of the installation of self limiting spent fuel seals or other engineered features so that drainage cannot occur, that could cause leakage and lead to fuel unrecovery;
  
- (h) Written and formal procedures and administrative controls to reduce the likelihood of rapid drain down events such as (1) prohibitions on the use of pumps that lack adequate siphon protection; (2) controls for pump suction and discharge points; and periodic verification of the functionality of anti-siphon devices;

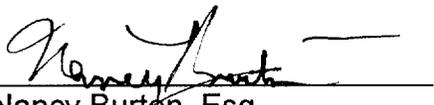
- (i) An onsite restoration plan to provide repair of spent fuel cooling and chemistry control systems; to provide access to makeup water to the spent fuel pool; and to provide for remote realignment of the makeup source to the spent fuel pool without requiring entry to the refuel floor;
- (j) Written and formal procedures to control spent fuel operations that have the potential to rapidly decrease spent fuel pool inventory, such as necessary additional operations of management reviews, the presence of management for designated operations and administrative limitations (i.e. restrictions on heavy load movements);
- (k) Written and formal procedures for the routine testing of the alternative fuel pool makeup system components as well as administrative controls for equipment out of service, and the timely availability of needed components;
- (l) Written and formal procedures relative to the frequency and specifics of walk downs of spent fuel pool systems;
- (m) Procedures to give fuel handlers guidance on the capability and availability of onsite and offsite inventory makeup sources and on the time available to utilize these resources for various loss of cooling events;
- (n) The presence of control room instrumentation that provides alarms calling for offsite resources and for declaring a general emergency.

### **Request for Production**

1. Please produce all reports and draft versions of reports identified in Interrogatory No. 2b.
2. Please produce all documents identified in Interrogatory 3a.

3. Please produce all documents identified in Interrogatory 5a and 5b and all attached or referenced records, reports and correspondence.
4. Please produce a copy of all documents identified in Interrogatory 4.
5. Please produce a copy of all documents identified in Interrogatory 5b
6. Please produce a copy of all documents identified in Interrogatory 6a.
7. Please produce a copy of all documents identified in Interrogatory 7.
8. Please produce a copy of all documents identified in Interrogatory 8a and 8b.
9. Please produce documents substantiating your response to Interrogatory 9.
10. Please produce all documents substantiating the responses to Interrogatory 14, a through n.
11. Please produce a copy of Exhibits 1-40 attached to the OI Report ("List of Exhibits").
12. Please produce the Millstone Unit 1 Material Transfer Forms.
13. Please produce the last report prepared by the licensee and filed with the NRC in 1980 inventorying the missing spent fuel rods.
14. Please provide a complete list of low-level radioactive waste contractors and their business addresses used by Northeast Nuclear Energy Company from 1972 to the present time.

**THE INTERVENORS**

By:   
Nancy Burton, Esq.  
147 Cross Highway  
Redding Ridge CT 06876  
Tel. 203-938-3952  
Fax 203-938-3952  
Fed. Bar No. 10836

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

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	:	<b>ASLBP No. 00-771-01-LA</b>
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<b>(Millstone Nuclear Power Station,</b>	:	
<b>Unit No. 3)</b>	:	<b>December 5, 2001</b>

**CERTIFICATE OF SERVICE**

I hereby certify that copies of the Intervenor's First Set of Interrogatories and Request for Production in the Reopened Proceedings Directed to NRC Staff have been served on the following by deposit in the U.S. Mail, first class, this 5<sup>th</sup> day of December, 2001 and emailed on this date as indicated below:

Charles Bechhoefer, Chairman\*  
Administrative Judge  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001  
(E-Mail copy to: [CXB2@nrc.gov](mailto:CXB2@nrc.gov))

Dr. Richard F. Cole\*  
Administrative Judge  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001  
(E-Mail copy to [RFC1@NRC.GOV](mailto:RFC1@NRC.GOV))

Dr. Charles N. Kelber\*  
Administrative Judge  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001  
(E-Mail copy to [CNK@NRC.GOV](mailto:CNK@NRC.GOV))

Office of Commission Appellate Adjudication  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001

Office of the Secretary\*  
ATTN: Rulemaking and Adjudication Staff  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001  
(Original + Two Copies)  
(E-Mail copy to: [HEARINGDOCKET@NRC.GOV](mailto:HEARINGDOCKET@NRC.GOV))

Atomic Safety and Licensing Board Panel  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001

David A. Repka, Esq.\*  
Winston & Strawn  
1400 L Street NW  
Washington DC 20005-3502  
(E-Mail copy to [drepka@winston.com](mailto:drepka@winston.com))

Ann P. Hodgdon, Esq.\*  
Office of General Counsel  
U.S. Nuclear Regulatory Commission  
Washington DC 20555-0001  
(E-Mail copy to [aph@nrc.gov](mailto:aph@nrc.gov))

A handwritten signature in cursive script, appearing to read "Nancy K. ...", is written over a horizontal line. The signature is positioned to the right of the typed name "Ann P. Hodgdon, Esq.\*".