

June 7, 2002

Mr. J. Alan Price, Vice-President -  
Nuclear Technical Services/Millstone  
c/o Mr. D. A. Smith, Manager,  
Regulatory Affairs  
Dominion Nuclear Connecticut, Inc.  
Rope Ferry Road  
Waterford, CT 06385

SUBJECT: MILLSTONE POWER STATION - NRC-EVALUATED EMERGENCY  
PREPAREDNESS EXERCISE INSPECTION REPORT 50-336/02-011,  
50-423/02-011

Dear Mr. Price:

The enclosed report documents an inspection at the Millstone Units 2 & 3 reactor facilities, which evaluated the performance of your emergency response organization during the May 1, 2002, full-participation exercise and the post-exercise critique as specified in the reactor oversight program. The inspectors discussed the findings of this inspection with you and other members of your staff on May 2, 2002.

This inspection was an examination of activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. Within these areas, the inspection consisted of a selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/ADAMS.html> (the Public Electronic Reading Room).

Should you have any questions regarding this report, please contact Mr. Richard J. Conte at (610) 337-5183.

Sincerely,

**/RA/**

Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Docket Nos: 50-336, 50-423  
License Nos: DPR-65, NPF-49

Mr. J. Alan Price

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Enclosures:

- (1) Inspection Report No. 50-336/02-011 and 50-423/02-011
- (2) Attachment 1: Supplemental Information

cc w/encl:

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S. Comley, We The People  
J. Buckingham, Department of Public Utility Control  
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G. Winslow, Citizens Regulatory Commission (CRC)  
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Mr. J. Alan Price

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U. S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 50-423  
50-336

License Nos: DPR-65  
NPF-49

Report No: 50-423/02-011, 50-336/02-011

Licensee: Dominion Nuclear Connecticut, Inc.

Facility: Millstone Power Station Units 2 and 3  
P. O. Box 128  
Waterford, CT 06385

Dates: April 30 - May 3, 2002

Inspectors: N. McNamara, Emergency Preparedness Inspector, DRS (Lead)  
M. Schneider, Sr. Resident Inspector, Millstone, DRP  
J. Laughlin, Operations Engineer, DRS  
T. Moslak, Health Physicist, DRS

Approved by: Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

## SUMMARY OF FINDINGS

IR 05000423-02/011, IR 05000336/02-011, on 04/30-05/03/2002; Dominion Nuclear Connecticut, Inc., Millstone Power Station Units 2 and 3. Emergency Preparedness Exercise and Performance Indicator Review.

This team inspection was conducted by region based inspectors and a resident inspector. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG 1645, "Reactor Oversight Process," Revision 3, dated July 2000.

Cornerstone: Emergency Preparedness

- No findings of significance were identified.

## Report Details

### 3. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

#### 1EP1 Exercise Evaluation

##### a. Inspection Scope

Prior to the inspection, an in-office review was conducted of the licensee's exercise objectives submitted to the NRC on January 28, 2002 and the exercise scenario submitted on February 26, 2002 to determine if the Millstone exercise would test major elements of the licensee's emergency plan as required by 10 CFR 50.47(b)(14). The onsite inspection consisted of the following review and assessment:

- The adequacy of the licensee's performance on the biennial full-participation exercise performance by primarily focusing on the implementation of the risk-significant planning standards (RSPS) in 10 CFR 50.47 (b) (4), (5), (9) & (10) which are emergency classification, offsite notification, radiological assessment, and protective action recommendations (PARs), respectively.
- The overall adequacy of the licensee's emergency response facilities and their implementation of NUREG-0696, "Functional Criteria for Emergency Response Facilities" and emergency plan commitments. The facilities assessed were the simulator, technical support center (TSC), the operations support center (OSC) and the emergency operations facility (EOF).
- Other performance areas besides the RSPS, such as, the emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigation activities, utilization of repair and field monitoring teams, interface with offsite agencies, and the overall implementation of the emergency plan and implementing procedures.
- Past performance issues from NRC inspection reports and licensee drill reports to determine effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10CFR50.47(b)(14).
- The post-exercise critique to evaluate the licensee's self-assessment of their ERO performance during the exercise and to ensure compliance with 10CFR50 Appendix E.IV.F.2.g.

In addition, two Condition Reports (CR) were reviewed that were generated and entered into the corrective action program to address inspectors' observations during the exercise. The CRs are identified in Attachment 1 to this report.

##### b. Findings

No findings of significance were identified.

#### 1EP4 Emergency Action Level and Emergency Plan Changes

##### a. Inspection Scope

The inspectors conducted an in-office review of licensee submitted changes for the emergency plan-related documents received from September 2001 to March 2002 to determine if the changes decreased the effectiveness of the plan. A thorough review was conducted of documents related to the RSPS whereas a cursory review was conducted for non-RSPS documents.

##### b. Findings

No findings of significance were identified in this area.

#### 4. **OTHER ACTIVITIES**

#### 4OA1 Performance Indicator (PI) Verification

##### a. Inspection Scope

The inspectors reviewed the licensee's procedure for developing the data for the EP PIs which are: (1) Drill and Exercise Performance (DEP), (2) ERO Drill Participation and (3) ANS Reliability. The inspector also reviewed the licensee's drill/exercise reports, training records and ANS testing data for 2001-2002 to verify the accuracy of the reported data. The review was conducted in accordance with NRC Inspection Procedure 71151. The acceptance criteria are 10 CFR 50.9 and NEI 99-02, Revision 2, "Regulation Assessment Performance Indicator Guideline".

Since the EP PIs were last reviewed during an inspection in August 2001, this review assessed data and records from September 2001 to March 2002.

##### b. Findings

No findings of significance were identified in this area.

#### 4OA2 Identification and Resolution of Problems

##### a. Inspection Scope

The inspectors reviewed licensee findings (EP drill reports) for approximately the past two years pertaining to drills, and the last licensee biennial exercise critique to determine if significant performance trends exist and to determine the effectiveness of licensee corrective actions based upon ERO performance during the exercise. The inspectors verified that issues identified during this exercise were entered into the licensee's corrective action program and reviewed condition reports related to significant findings from past drill/exercise reports to assess the adequacy of the corrective actions.

##### b. Findings

No findings of significance were identified.

#### 4OA6 Meetings, including Exit

The inspectors presented the inspection results to Mr. Price and other members of the licensee's staff at the conclusion of the inspection on May 2, 2002.



ATTACHMENT 1

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Dominion Nuclear Connecticut, Inc.

J. Alan Price, Vice-President -Nuclear Technical Services  
P. Blasioli, EP-Manager  
P. Luckey, Supervisor, Onsite Team Lead  
T. Rigney, Drill Manager  
K. Deveau, Licensing

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

None

LIST OF ACRONYMS

ANS	Alert and Notification System
CR	Condition Report
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
OSC	Operations Support Center
PAR	Protective Action Recommendation
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
SDP	Significant Determination Process
TSC	Technical Support Center

## LIST OF DOCUMENTS REVIEWED

Millstone Units 2 and 3 Emergency Plan  
Millstone Units 2 and 3 Emergency Procedures  
MP-26-EPA-GDL01, Rev. 0, Emergency Planning Performance Indicators  
EPDI-18, Rev. 000-02, Administration of NRC Performance Indicators  
MP-26-EPI-FAP04, Rev 2, Emergency Operations Facility Activation & Operations  
MP-26-EPI-FAP06, Rev 1, Classification and PARs  
MP-26-EPI-FAP09, Rev 0, Radiation Exposure Controls  
MP-26-EPI-FAP10, Rev 1, Dose Assessment  
Initial Dose Assessment (IDA)5/1/02, 0939  
MIDAS Dose Assessment, 5/1/02, 1116  
CFD, 02-02, White Team Evaluated Exercise Scenario  
Letter dated January 28, 2002 to NRC entitled Emergency Exercise Scope and Objectives  
Letter dated February 26, 2002 to NRC entitled Emergency Exercise Scenario Package  
OFIS User's Drill conducted on March 26, 2001  
2001 Millstone Unit-1 Training Drill Report CFD 01-12, 11/15 and 11/29, 2001  
Millstone Training Drill Report, CFD 01-04 and CFD 01-05, 5/24, 5/31, 6/14, 6/21, 2001  
Millstone Station Gold Team Off-Year Exercise Report, May 3, 2001  
Millstone Station Gold Team Rehearsal Drill Report, March 29, 2001  
SERO Drill Critique, September 14, 2000 (8/17, 8/24, 9/7, 2000)  
March 15, 2000 NRC Biennial Exercise Critique Report  
Condition Report, CR No. 02000531-02, Training for Operations regarding notification of simultaneous classifications  
Condition Report, CR 02-05397, Observations made by the NRC during full-scale exercise.