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MAY 08 2013

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 13-220
MPS Lic/LES R0
Docket No. 50-423
License No. NPF-49


DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 3
LICENSEE EVENT REPORT 2013-004-00
FAILED SURVEILLANCE TEST OF A TRAIN CONTROL ROOM EMERGENCY
FILTRATION SYSTEM

This letter forwards Licensee Event Report (LER) 2013-004-00 documenting a condition discovered at Millstone Power Station Unit 3 on March 13, 2013.

This LER is being submitted pursuant to 10 CFR 50.73(a)(2)(i)(B), any operation or condition which was prohibited by the plant's Technical Specifications.

If you have any questions or require additional information, please contact Mr. William D. Bartron at (860) 444-4301.

Sincerely,


Stephen E. Scace
Site Vice President – Millstone

Attachments: 1

Commitments made in this letter: None

*TE22
NRA*

cc: U.S. Nuclear Regulatory Commission
Region I
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

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Project Manager - Millstone Power Station
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NRC Senior Resident Inspector
Millstone Power Station

Serial No. 13-220
Docket No. 50-423
Licensee Event Report 2013-004-00

ATTACHMENT

LICENSEE EVENT REPORT 2013-004-00
FAILED SURVEILLANCE TEST OF
A TRAIN CONTROL ROOM EMERGENCY FILTRATION SYSTEM

MILLSTONE POWER STATION UNIT 3
DOMINION NUCLEAR CONNECTICUT, INC.

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME Millstone Power Station - Unit 3	2. DOCKET NUMBER 05000423	3. PAGE 1 OF 3
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4. TITLE
Failed Surveillance Test of A Train Control Room Emergency Filtration System

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
03	13	2013	2013 - 004 - 00			05	08	2013	FACILITY NAME	DOCKET NUMBER
										05000
										05000

9. OPERATING MODE 1	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: <i>(Check all that apply)</i>									
10. POWER LEVEL 100	<input type="checkbox"/>	20.2201(b)	<input type="checkbox"/>	20.2203(a)(3)(i)	<input type="checkbox"/>	50.73(a)(2)(i)(C)	<input type="checkbox"/>	50.73(a)(2)(vii)		
	<input type="checkbox"/>	20.2201(d)	<input type="checkbox"/>	20.2203(a)(3)(ii)	<input type="checkbox"/>	50.73(a)(2)(ii)(A)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)		
	<input type="checkbox"/>	20.2203(a)(1)	<input type="checkbox"/>	20.2203(a)(4)	<input type="checkbox"/>	50.73(a)(2)(ii)(B)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)		
	<input type="checkbox"/>	20.2203(a)(2)(i)	<input type="checkbox"/>	50.36(c)(1)(i)(A)	<input type="checkbox"/>	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)(A)		
	<input type="checkbox"/>	20.2203(a)(2)(ii)	<input type="checkbox"/>	50.36(c)(1)(ii)(A)	<input type="checkbox"/>	50.73(a)(2)(iv)(A)	<input type="checkbox"/>	50.73(a)(2)(x)		
	<input type="checkbox"/>	20.2203(a)(2)(iii)	<input type="checkbox"/>	50.36(c)(2)	<input type="checkbox"/>	50.73(a)(2)(v)(A)	<input type="checkbox"/>	73.71(a)(4)		
	<input type="checkbox"/>	20.2203(a)(2)(iv)	<input type="checkbox"/>	50.46(a)(3)(ii)	<input type="checkbox"/>	50.73(a)(2)(v)(B)	<input type="checkbox"/>	73.71(a)(5)		
	<input type="checkbox"/>	20.2203(a)(2)(v)	<input type="checkbox"/>	50.73(a)(2)(i)(A)	<input type="checkbox"/>	50.73(a)(2)(v)(C)	<input type="checkbox"/>	OTHER		
<input type="checkbox"/>	20.2203(a)(2)(vi)	<input checked="" type="checkbox"/>	50.73(a)(2)(i)(B)	<input type="checkbox"/>	50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A				

12. LICENSEE CONTACT FOR THIS LER

FACILITY NAME William D. Bartron, Supervisor Nuclear Station Licensing	TELEPHONE NUMBER (include Area Code) 860-444-4301
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

14. SUPPLEMENTAL REPORT EXPECTED				15. EXPECTED SUBMISSION DATE		
<input type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO			MONTH	DAY	YEAR

ABSTRACT *(Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)*

On March 13, 2013, at 1741 hours with Millstone Power Station Unit 3 operating in MODE 1 at 100 percent power, a charcoal filter sample was drawn from the A Train Control Room Emergency Filtration System (CREFS). On March 19, 2013, Engineering was notified by the vendor who performs the testing that the methyl iodide penetration test performed on the charcoal filter sample had failed. Accordingly, it was concluded that the A CREFS was actually inoperable on March 13, 2013, when the sample was originally taken. Operators were notified, and the A CREFS was declared inoperable per Technical Specification (TS) 3.7.7, on March 19, 2013, at 1500 hours. The charcoal filter was replaced and retested satisfactory. The A Train CREFS was declared operable on March 21, 2013, at 2236 hours. The condition existed for longer than allowed by TS 3.7.7, Action (a), i.e., for more than 7 days. Therefore, this is a reportable condition per 10 CFR 50.73 (A)(2)(i)(B) as any event or condition which was prohibited by Technical Specifications. The apparent cause is a failure to establish administrative limits for replacement of the CREFS charcoal filters, prior to reaching its TS limit. Surveillance Procedures for performing charcoal filter testing have been updated to specify overnight shipping for charcoal samples and to request immediate feedback from vendors if the test fails.

**LICENSEE EVENT REPORT (LER)
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NARRATIVE

1. EVENT DESCRIPTION

On March 13, 2013, at 1741 hours with Millstone Power Station Unit 3 operating in MODE 1 at 100 percent power, a charcoal filter sample was drawn from the A Train Control Room Emergency Filtration System (CREFS). On March 19, 2013, Engineering was notified by the vendor who performs the testing that the methyl iodide penetration test performed on the charcoal filter sample had failed. Accordingly, it was concluded that the A CREFS was actually inoperable on March 13, 2013, when the sample was originally taken. The surveillance test was prescribed by Technical Specification (TS) 4.7.7.d, which states, "After every 720 hours of charcoal adsorber [FLT] operation, by verifying, within 31 days after removal, that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, shows the methyl iodide penetration less than or equal to 2.5% when tested in accordance with ASTM D3803-89 at a temperature of 30°C (86°F), and a relative humidity of 70%, and a face velocity of 54 ft/min." The actual test results were 4.46% penetration. Operators were notified, and the A CREFS was declared inoperable per Technical Specification (TS) 3.7.7, on March 19, 2013, at 1500 hours. The charcoal filter was replaced and retested satisfactory. The A Train CREFS was declared operable on March 21, 2013, at 2236 hours. The condition existed for longer than allowed by TS 3.7.7, Action (a), i.e., for more than 7 days. Therefore, this is a reportable condition per 10 CFR 50.73 (A)(2)(i)(B) as any event or condition which was prohibited by the plant's Technical Specifications.

2. CAUSE

The apparent cause is a failure to establish administrative limits for replacement of the CREFS charcoal filters, prior to reaching its TS limit.

3. ASSESSMENT OF SAFETY CONSEQUENCES

The purpose of the control room emergency filtration system is to provide clean filtered air to control building occupants to limit post accident radiation exposures to 5 Rem Total Effective Dose Equivalent (TEDE) or less. The documented test results for methyl iodide penetration of the charcoal sample were compared with the values assumed in analyses for the Fuel Handling Accident (FHA) and for Loss of Coolant Accidents (LOCA) in Chapter 15 of the Updated Final Safety Analysis Report (UFSAR) for MPS3. Per the Standard Review Plan, charcoal filter efficiency is assumed based on the required acceptance criteria for penetration with a safety factor of two. Therefore, the analyses assumed an overall efficiency of 100% - (2.5% x 2) = 95%. Based on the above, the level of degradation of the charcoal found in the surveillance test would not have prevented the filter/adsorber units from performing the assumed design safety function. Therefore, the significance of this issue is considered low.

4. CORRECTIVE ACTION

Surveillance Procedures for performing charcoal filter testing have been updated to specify overnight shipping for charcoal samples and to request immediate feedback from vendors if the test fails. Other actions are being taken in accordance with the station's corrective action program.

**LICENSEE EVENT REPORT (LER)
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NARRATIVE

5. PREVIOUS OCCURRENCES

No previous similar occurrences.

Energy Industry Identification System (EIS) codes are identified in the text as [XX].