

Dominion Nuclear Connecticut, Inc.  
Millstone Power Station  
Rope Ferry Road  
Waterford, CT 06385



**Dominion**<sup>SM</sup>

SEP 08 2009

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

Serial No. 09-577  
NSSL/RWM R0  
Docket No. 50-336  
License No. DPR-65

**DOMINION NUCLEAR CONNECTICUT, INC.**  
**MILLSTONE POWER STATION UNIT 2**  
**SPECIAL REPORT FOR SEISMIC INSTRUMENTATION**

Dominion Nuclear Connecticut, Inc. (DNC) hereby forwards a special report in accordance with the Millstone Power Station Unit 2 (MPS2) Technical Requirements Manual (TRM) 3.3.3.3, Seismic Instrumentation.

MPS2 TRM 3.3.3.3.b requires a special report be submitted to the Nuclear Regulatory Commission (NRC) within 10 days when one or more seismic monitoring channels are inoperable for more than 30 days. The report for this condition is contained in Attachment 1.

If you have any questions regarding this submittal, please contact Mr. William D. Bartron at (860) 444-4301.

Sincerely,

A. J. Jordan  
Site Vice President – Millstone

Attachment: 1. Special Report for Seismic Instrumentation

Commitments made in this letter: None

cc: U.S. Nuclear Regulatory Commission  
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NRC Senior Resident Inspector  
Millstone Power Station

JEAD  
NRR

**ATTACHMENT 1**

**SPECIAL REPORT FOR SEISMIC INSTRUMENTATION**

**DOMINION NUCLEAR CONNECTICUT, INC.  
MILLSTONE POWER STATION UNIT 2**

**SPECIAL REPORT FOR SEISMIC INSTRUMENTATION**

This special report is being submitted pursuant to Millstone Power Station Unit 2 (MPS2) Technical Requirements Manual (TRM) 3.3.3.3, "Seismic Instrumentation." The MPS2 TRM 3.3.3.3.b requires that a special report be submitted within 10 days when one or more seismic monitoring channels are inoperable for more than 30 days. This report describes the cause of the malfunction and the plans for restoring the system.

Seismic instrumentation ensures that sufficient capability is available to promptly determine the magnitude of a seismic event and evaluate the response of those features important to safety. This capability is required to permit comparison of the measured response to that used in the design of the facility. Each required seismic monitoring instrumentation channel is demonstrated to be operable by the performance of channel check, channel calibration and channel functional test operations.

On July 28, 2009, during inspection and calibration of the seismic monitoring system instruments, MPS2 determined that one of five required seismic monitoring channels was not operable due to a faulty accelerometer assembly. A replacement accelerometer package is required and must be procured and installed to enable the seismic monitoring system channel calibration to be performed. The instrument is scheduled to be restored on September 18, 2009.