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

Serial No. 13-242B
NLOS/WDC R2
Docket Nos. 50-336
50-423
License Nos. DPR-65
NPF-49

DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNITS 2 AND 3
OFFSITE DOSE ASSESSMENT CAPABILITY DURING AN EVENT INVOLVING
MULTIPLE RELEASE SOURCES

In a letter to the Nuclear Energy Institute (NEI) from the NRC dated February 27, 2013 (ML13029A632), the NRC requested additional detailed information regarding licensee's site-specific, current or planned, multi-unit dose assessment capabilities. In response to the Director, Nuclear Security and Incident Response, dated March 14, 2013 (ML13073A522), NEI notified the NRC that licensees would provide letters directly to the NRC describing multi-unit/multi-source dose assessment capability.

In accordance with the NEI letter, Dominion Nuclear Connecticut, Inc. (DNC) provides the following information regarding the capability to perform offsite dose assessment at Millstone Power Station (MPS) during an event involving multiple release sources (e.g., the ability to assess concurrent releases from reactor containment and the spent fuel pool).

Currently, MPS uses Meteorological Information Dose Assessment System (MIDAS) software from ABS Consulting, Inc., as its dose calculation model. MIDAS is a personal computer based program for rapidly assessing the radiological impact of accidents at nuclear power plants. It calculates total effective dose equivalent (TEDE) and thyroid doses. Source term information is derived from plant effluent monitors, reactor coolant system (RCS) or containment samples, field monitoring teams, or a default design basis accident scenario. In the event of a set of events involving multiple units/sources, individual dose assessment results can be summed to determine a total offsite dose assessment result.

Furthermore, an upgraded version of MIDAS software with a Multiple Accident Report Combiner (MARC) MIDAS Module has been procured. This MARC MIDAS Module can process up to five individual accidents and present results on a graphically displayed map with results combined for multiple release sources. The software upgrade will be implemented as indicated in the attached schedule.

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MLL

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ATTACHMENT

**IMPLEMENTATION SCHEDULE FOR MARC MIDAS MODULE FOR MULTI-UNIT
DOSE ASSESSMENT CAPABILITY**

**MILLSTONE POWER STATION UNITS 2 AND 3
DOMINION NUCLEAR CONNECTICUT, INC.**

IMPLEMENTATION SCHEDULE

The following table lists the milestones to implement the MARC MIDAS Module for multi-unit dose assessment capability at Millstone Power Station. The milestones are being tracked in the Central Reporting System via LC001164.

Item No.	Implementation Task	Estimated Completion Date
1	Obtain MIDAS software with a Multiple Accident Report Combiner (MARC) MIDAS Module	Complete
2	Complete acceptance testing of MARC MIDAS Module	09/03/2013
3	Develop end-user documents (e.g., implementing procedures, guidelines, etc.)	10/31/2013
4	Develop and conduct training on MARC MIDAS Module	09/09/2014
5	Implement multi-unit dose assessment capability	12/31/2014