Dominion Nuclear Connecticut, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Dominion®

July 15, 2013

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

Serial No. 13-402
NL&OS/WDC R0
Docket No. 50-305
License No. DPR-43

DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION
OFFSITE DOSE ASSESSMENT CAPABILITY DURING AN EVENT INVOLVING MULTIPLE RELEASE SOURCES

By letter dated February 25, 2013, Dominion Energy Kewaunee, Inc. (DEK) informed the NRC of its intention to permanently cease operation of Kewaunee Power Station (KPS) on May 7, 2013. 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. Subsequently, by letter dated May 14, 2013, DEK submitted a certification of permanent removal of fuel from the reactor vessel pursuant to 10 CFR 50.82(a)(1)(ii). Therefore, as specified in 10 CFR 50.82(a)(2), the 10 CFR Part 50 license for KPS no longer authorizes operation of the reactor or emplacement or retention of fuel into the reactor vessel.

Since KPS is a single unit and presently without possibility of any regulatory significant, concurrent releases from reactor containment and the spent fuel pool, DEK considers the subject NEI commitment to be non-applicable to permanently shutdown and defueled licensees. However, DEK provides the following information regarding the present capability to perform offsite dose assessment at KPS.

Currently, KPS 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 and thyroid doses. Source term information is derived from plant effluent monitors, reactor coolant system or containment samples, field monitoring teams, or a default design basis accident scenario. For a set of events involving multiple sources, individual dose assessment results can be summed to determine a total offsite dose assessment result.

Since KPS is no longer an operating plant, but is rather a non-operating licensee in a permanently shutdown and defueled condition, no enhancements are planned for multi-source dose assessment capability.

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If you have any questions regarding this information, please contact Craig Sly at (804) 273-2784.

Sincerely,

David A. Heacock
President and Chief Nuclear Officer
Dominion Energy Kewaunee, Inc.

Commitments made in this letter: None

COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by David A. Heacock, who is President and Chief Nuclear Officer of Dominion Energy Kewaunee, Inc. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 15th day of July, 2013.

My Commission Expires: December 31, 2016

CRAIG D SLY
Notary Public
Commonwealth of Virginia
Reg. # 7518653
My Commission Expires December 31, 2016

Notary Public

cc: Director, Office of Nuclear Reactor Regulation
One White Flint North
Mail Stop 13H16
11555 Rockville Pike
Rockville, Maryland 20852-2738

U.S. Nuclear Regulatory Commission, Region III
Regional Administrator
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

K. D. Feintuch
Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North, Mail Stop 08 D-15
11555 Rockville Pike
Rockville, MD 20852-2738

NRC Senior Resident Inspector
Kewaunee Power Station