



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

December 23, 2013

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Energy Kewaunee, Inc.
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

**SUBJECT: KEWAUNEE POWER STATION MASTER INSPECTION PLAN – CALENDAR
YEAR 2014**

Dear Mr. Heacock:

On May 31, 2013, the U.S. Nuclear Regulatory Commission (NRC) notified you that the NRC would cease to implement Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," and IMC 2515, "Light Water Reactor Inspection Program – Operations Phase," at the Kewaunee Power Station and beginning June 1, 2013, the NRC's oversight of your licensed activities will be performed under IMC 2561, "Decommissioning Power Reactor Inspection Program," dated April 14, 2013. In accordance with IMC 2561, "Decommissioning Power Reactor Inspection Program," and Manual Chapter 2690, "Inspection Program for Dry Cask Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations (ISFSI) and for Title 10 of the *Code of Federal Regulations* (CFR) Part 71 Transportation Packaging," the NRC Region III staff developed a Master Inspection Plan (MIP) for the Kewaunee Power Station for calendar year 2014. The inspection plan is based on your current performance and planned decommissioning activities for January through December 2014. The plan outlines how we intend to focus our regional inspection resources to provide oversight of decommissioning activities including a potential dry cask storage campaign.

The MIP is based, in part, on your proposed schedule of decommissioning activities for Calendar Year 2014. As a result, the plan and the focus of inspection activities may change to reflect decommissioning activities or your performance. In order to ensure that this MIP remains current, we request that you keep the NRC Region III Materials Control, ISFSI, and Decommissioning Branch (MCID) staff informed of any significant changes in your proposed schedule of decommissioning activities. You will be informed of any significant changes to our plans for inspections at the Kewaunee site.

Since the site initiated a transition to SAFSTOR in 2013, and those activities are slated to continue into 2014, the NRC regional office intends to perform approximately one onsite decommissioning safety inspection per month. Since there is potential for a dry cask storage campaign in 2014, the MIP also reflects our intended inspection scope for the campaign. Finally, the region plans to conduct a follow up inspection to the White finding described in Inspection Report No. 05000305/2013008 in early 2014. The purpose of this inspection is to determine whether or not the root cause and contributing causes of risk significant performance issues are understood; the extent of condition and the extent of causes are identified; and the corrective actions are sufficient to prevent recurrence. Since the NRC is now providing oversight in accordance with IMC 2561, the NRC intends to perform this follow up inspection

using Inspection Procedure (IP) 92702, "Followup on Corrective Actions for Violations and Deviations," in lieu of IP 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area."

The following is a list of the routine inspection procedures we expect to use during our inspections. The procedures used during each inspection will depend on the specific activities being conducted at the site. Additional discretionary inspection procedures may be used if decommissioning or ISFSI activities warrant.

<u>Inspection Procedure</u>	<u>Title</u>
IP 36801	Organization, Management and Cost Controls
IP 37801	Safety Reviews, Design Changes, and Modifications
IP 40801	Self-Assessment, Auditing, and Corrective Action
IP 60801	Spent Fuel Pool Safety
IP 62801	Maintenance and Surveillance
IP 71714	Cold Weather Preparations (IP71111.01 as guidance)
IP 71801	Decommissioning Performance and Status Review
IP 83750	Occupational Radiation Exposure
IP 84750	Radioactive Waste Treatment, and Effluent and Environmental Monitoring
IP 86750	Solid Radioactive Waste Management and Transportation of Radioactive Materials
IP 42700	Plant Procedures
IP 61726	Surveillance Observation
IP 62706	Maintenance Rule
IP 64704	Fire Protection
IP 92702	Followup on Corrective Actions for Violations and Deviations
IP 81311	Physical Security Requirements for ISFSIs
IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

D. Heacock

- 3 -

We will gladly discuss any questions you may have regarding this MIP. If you have questions, please feel free to contact the following members of my staff: Rhex Edwards at (630) 829-9722 or Eugenio Bonano (Security) at (630) 829-9826.

Sincerely,

/RA/

Robert J. Orlikowski, Chief
Materials Control, ISFSI, and
Decommissioning Branch
Division of Nuclear Materials Safety

Docket Nos. 50-305
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-3-

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