



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

May 7, 2015

Mr. Bryan C. Hanson
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: ASSESSMENT FOLLOW-UP LETTER FOR DRESDEN NUCLEAR POWER
STATION UNIT 2**

Dear Mr. Hanson:

As a result of its quarterly review of plant performance, which was completed on May 6, 2015, the NRC updated its assessment of Dresden Nuclear Power Station Unit 2. The NRC's evaluation consisted of a review of performance indicators and inspection results. This letter informs you of the NRC's assessment and its plans for a future inspection at your facility. This letter supplements, but does not supersede, the annual assessment letter issued on March 4, 2015.

The NRC's review of Dresden Nuclear Power Station Unit 2's performance has found that the unit's "Unplanned Scrams per 7000 Critical Hours" performance indicator has crossed the green-to-white threshold. Dresden Nuclear Power Station Unit 2's performance has resulted, during the previous four calendar quarters ending in the first quarter of 2015, in exceeding a value of three unplanned scrams per 7000 critical power hours of operations.

Based on the performance indicator results, the NRC determined the performance at Dresden Nuclear Power Station Unit 2 to be in the Regulatory Response Column of the Reactor Oversight Process Action Matrix beginning in the first quarter of 2015. Therefore, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The objectives of the supplemental inspection procedure are to provide assurance that the root causes and contributing causes of risk-significant performance issues are understood; that the extent of condition and extent of cause of risk-significant performance issues are identified; and that your corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence. Please notify the NRC by telephone and written correspondence when you are ready for this supplemental inspection.

B. Hanson

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In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Jamnes Cameron at 630-829-9833 with any questions you have regarding this letter.

Sincerely,

/RA/

Anne T. Boland, Director
Division of Reactor Projects

Docket No. 50-237
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B. Hanson

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