



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

March 4, 2015

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (REPORT 05000237/2014001; 05000249/2014001**

Dear Mr. Hanson:

On February 12, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review for Dresden Nuclear Power Station, Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014 through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Dresden Nuclear Power Station, Units 2 and 3, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Dresden Nuclear Power Station, Units 2 and 3, during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

Although plant performance was within the Licensee Response Column, the NRC has not yet finalized the significance of apparent violation (AV) 05000249/2014005-02, "Failure to Ensure Continued Operability of Unit 3 Electromatic Relief Valve 3-0203-3E Following Implementation of Extended Power Uprate Plant Conditions." The final safety significance determination may affect the NRC's assessment of plant performance and the enclosed inspection plan. The safety significance of that apparent violation is anticipated to be finalized in the first quarter of 2015 after you transmit to the NRC your written response to that finding as documented in Inspection Report 05000237/2014005; 05000249/2014005, dated January 29, 2015 (ADAMS Accession Number ML15029A177).

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

As shown in the enclosed inspection plan, the NRC in March and April 2015 will be involved with initial operator licensing examinations at Dresden Nuclear Power Station. In May 2015, an NRC team will be inspecting Dresden Nuclear Power Station's modification and 10 CFR 50.59 processes. Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the first unit at the site achieving compliance with the Orders and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The audit at your site has not been scheduled. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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, its enclosure, 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).

B. Hanson

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Please contact me at 630-820-9833 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Anne T. Boland, Director  
Division of Reactor Projects

Docket Nos. 50-237; 50-249  
License Nos. DPR-19; DPR-25

Enclosure:  
Dresden Nuclear Power Station  
Inspection/Activity Plan

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B. Hanson

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**Dresden**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI MODS - MODIFICATIONS / 50.59 INSPECTION</b>		<b>4</b>
2, 3	05/11/2015	05/29/2015	IP 711117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>OL PREP - INIT EXAM/MARCH 2015</b>		<b>3</b>
2	03/02/2015	03/06/2015	W90328	OL - INITIAL EXAM - 2015 MAR-APR - DRESDEN	
			<b>OL EXAM - INIT EXAM/MARCH 2015</b>		<b>3</b>
2	04/06/2015	04/17/2015	W90328	OL - INITIAL EXAM - 2015 MAR-APR - DRESDEN	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	05/04/2015	05/08/2015	IP 71124.07	Radiological Environmental Monitoring Program	
2	05/04/2015	05/08/2015	IP 71151	Performance Indicator Verification	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	07/13/2015	07/17/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
2	07/13/2015	07/17/2015	IP 71151	Performance Indicator Verification	
			<b>HEAT SIN - TRIENNIAL HEAT SINK INSPECTION</b>		<b>2</b>
2, 3	07/20/2015	07/24/2015	IP 7111107T	Heat Sink Performance	
			<b>BL EPX - EP EXECISE INSPECTION / PI VERIFICATION</b>		<b>2</b>
2, 3	07/27/2015	07/31/2015	IP 7111401	Exercise Evaluation	
2, 3	07/27/2015	07/31/2015	IP 7111408	Exercise Evaluation – Scenario Review	
2	07/27/2015	07/31/2015	IP 71151	Performance Indicator Verification	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	11/16/2015	11/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	11/16/2015	11/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
2	11/16/2015	11/20/2015	IP 71151	Performance Indicator Verification	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	01/04/2016	01/08/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	01/04/2016	01/08/2016	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>PI&amp;R B - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
2, 3	04/11/2016	04/29/2016	IP 71152B	Problem Identification and Resolution	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	03/14/2016	03/18/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	03/14/2016	03/18/2016	IP 71124.04	Occupational Dose Assessment	
2	03/14/2016	03/18/2016	IP 71151	Performance Indicator Verification	
			<b>ISFSI - PROGRAM REVIEW</b>		<b>1</b>
2	05/01/2016	05/31/2016	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Dresden  
Inspection / Activity Plan  
03/01/2015 - 06/30/2016

Unit Number	Planned Dates Start End		Inspection Activity	Title	No. of Staff on Site
2, 3	06/27/2016	07/29/2016	ENG BI IP 7111121	- COMPONENT DESIGN BASES INSPECTION Component Design Bases Inspection	6

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