



**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 QUAD CITIES NUCLEAR POWER  
STATION, UNITS 1 AND 2 (REPORT 05000254/2014001; 05000265/2014001)**

Dear Mr. Hanson:

On February 11, 2015, the U.S. Nuclear Regulatory Commission (NRC) staff completed its end-of-cycle performance review of Quad Cities Nuclear Power Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators 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 the plans for future inspections at your facility.

The NRC determined that overall, Quad Cities Nuclear Power Station, Units 1 and 2, was operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined that the performance at Quad Cities Nuclear Power Station, Units 1 and 2, during the most recent quarter, as well as the previous three quarters of the assessment period, 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 performance indicators 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.

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.

The NRC also plans to complete an inspection related to the Temporary Instruction 2515/190, "Inspection of Licensee's Proposed Interim Actions as a Result of the Near-Term Task Force Recommendation 2.1 Flooding Evaluation."

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, 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).

Please contact me at 630-829-9731 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Gregory Roach, Acting Chief  
Branch 1  
Division of Reactor Projects

Docket Nos. 50-254, 50-265  
License Nos. DPR-29, DPR-30

Enclosure:  
Quad Cities Nuclear Power Station  
Inspection/Activity Plan

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B. Hanson

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**Quad Cities**  
**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 ISI - ISI UNIT 1 INSPECTION</b>		<b>1</b>
1	03/02/2015	03/13/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>2</b>
1	03/09/2015	03/13/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/09/2015	03/13/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/09/2015	03/13/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/09/2015	03/13/2015	IP 71124.04	Occupational Dose Assessment	
			<b>BI HS - TRIENNIAL HEAT SINK INSPECTION</b>		<b>2</b>
1, 2	05/18/2015	05/22/2015	IP 7111107T	Heat Sink Performance	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	06/08/2015	06/12/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	06/08/2015	06/12/2015	IP 71151	Performance Indicator Verification	
			<b>BI FIRE - FIRE PROTECTION INSPECTION &amp; BAG TRIP</b>		<b>3</b>
1, 2	11/02/2015	12/04/2015	IP 7111105T	Fire Protection [Triennial]	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	09/21/2015	09/25/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/21/2015	09/25/2015	IP 71151	Performance Indicator Verification	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
1, 2	10/05/2015	10/09/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>BL EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>2</b>
1, 2	10/05/2015	10/09/2015	IP 7111402	Alert and Notification System Testing	
1, 2	10/05/2015	10/09/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	10/05/2015	10/09/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/05/2015	10/09/2015	IP 71151	Performance Indicator Verification	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	03/21/2016	03/25/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/21/2016	03/25/2016	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>ISI - INSERVICE INSPECTION ON UNIT 2</b>		<b>1</b>
2	03/21/2016	04/08/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	06/06/2016	06/10/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/06/2016	06/10/2016	IP 71124.04	Occupational Dose Assessment	

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