



**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 | | | | |
| | | | BI ISI - ISI UNIT 1 INSPECTION | | 1 |
| 1 | 03/02/2015 | 03/13/2015 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 2 |
| 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 | |
| | | | BI HS - TRIENNIAL HEAT SINK INSPECTION | | 2 |
| 1, 2 | 05/18/2015 | 05/22/2015 | IP 7111107T | Heat Sink Performance | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 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 | |
| | | | BI FIRE - FIRE PROTECTION INSPECTION & BAG TRIP | | 3 |
| 1, 2 | 11/02/2015 | 12/04/2015 | IP 7111105T | Fire Protection [Triennial] | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 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 | |
| | | | BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION | | 2 |
| 1, 2 | 10/05/2015 | 10/09/2015 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | BL EPR - EP ROUTINE INSPECTION / PI VERIFICATION | | 2 |
| 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 | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 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 | |
| | | | ISI - INSERVICE INSPECTION ON UNIT 2 | | 1 |
| 2 | 03/21/2016 | 04/08/2016 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 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.