



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2013

Mr. Michael Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER FOR QUAD CITIES NUCLEAR POWER
STATION, UNITS 1 AND 2 (REPORTS 05000254/2012001 AND
05000265/2012001)

Dear Mr. Pacilio:

On February 13, 2013, the Nuclear Regulatory Commission (NRC) 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 (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. 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, Quad Cities, Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Quad Cities, Units 1 and 2, 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. The NRC also plans on performing Temporary Instruction (TI) 2515/182, "Review of the implementation of the Industry Initiative to Control Degradation of Underground Piping," at your facility. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve 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.

M. Pacilio

-2-

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), 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) 829-9753 with any questions you may have regarding this letter.

Sincerely,

/RA/

Robert J. Orlikowski, Acting Chief
Branch 1
Division of Reactor Projects

Docket No. 50-254, 50-265
License No. DPR-29, DPR-30

Enclosure: Quad Cities Nuclear Power Station Inspection/Activity Plan

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M. Pacilio

-2-

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Docket No. 50-254, 50-265
License No. DPR-29, DPR-30

Enclosure: Quad Cities Nuclear Power Station Inspection/Activity Plan

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| NAME | ROrlikowski | | | | | | |
| DATE | 2/26/13 | | | | | | |

OFFICIAL RECORD COPY

Quad Cities
Inspection / Activity Plan
03/01/2013 - 12/31/2014

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
| Start | End | | | | |
| | | | BI MODS - TRIENNIAL PERM MODS/50.59 | | 3 |
| 1 | 04/22/2013 | 05/17/2013 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| | | | ISI INSP - ISI BASELINE | | 1 |
| 1 | 03/11/2013 | 03/29/2013 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 03/18/2013 | 03/22/2013 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 03/18/2013 | 03/22/2013 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| | | | INSP - OP EXP SS FY2007-03 CRANE AND HEAVY LIFT | | 1 |
| 1, 2 | 05/06/2013 | 05/24/2013 | IP 7111120 | Refueling and Other Outage Activities | |
| | | | ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT | | 2 |
| 1 | 06/01/2013 | 08/31/2013 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 06/03/2013 | 06/07/2013 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| | | | TI INSP - TI 182 BURIED PIPE PHASE 2 | | 1 |
| 1 | 08/26/2013 | 08/30/2013 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | STRIKE - STRIKE CONTINGENCY-OPS/RP/MAINT | | 3 |
| 1, 2 | 09/30/2013 | 10/29/2013 | IP 92709 | Licensee Strike Contingency Plans | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 09/16/2013 | 09/20/2013 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 1 | 09/16/2013 | 09/20/2013 | IP 71151-BI01 | Reactor Coolant System Activity | |
| 1 | 09/16/2013 | 09/20/2013 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 1 | 09/16/2013 | 09/20/2013 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION | | 2 |
| 1 | 10/21/2013 | 10/25/2013 | IP 7111402 | Alert and Notification System Testing | |
| 1 | 10/21/2013 | 10/25/2013 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 1 | 10/21/2013 | 10/25/2013 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 1 | 10/21/2013 | 10/25/2013 | IP 71151 | Performance Indicator Verification | |
| | | | BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION | | 2 |
| 1 | 10/07/2013 | 10/11/2013 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 10/21/2013 | 10/25/2013 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 1 | 10/21/2013 | 10/25/2013 | IP 71124.07 | Radiological Environmental Monitoring Program | |

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

Quad Cities
Inspection / Activity Plan
03/01/2013 - 12/31/2014

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
| Start | End | | | | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1, 2 | 10/21/2013 | 10/25/2013 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1, 2 | 10/21/2013 | 10/25/2013 | IP 71124.04 | Occupational Dose Assessment | |
| 1, 2 | 10/21/2013 | 10/25/2013 | IP 71151-BI01 | Reactor Coolant System Activity | |
| 1, 2 | 10/21/2013 | 10/25/2013 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 1, 2 | 10/21/2013 | 10/25/2013 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | BI ENG - COMPONENT DESIGN BASIS INSPECTION | | 6 |
| 1, 2 | 01/13/2014 | 02/14/2014 | IP 7111121 | Component Design Bases Inspection | |
| | | | OL PREP - INITIAL EXAM - 04/2014 | | 3 |
| 1 | 03/31/2014 | 04/04/2014 | W90292 | OL - INITIAL EXAM - 2014 MARCH/APRIL - QUAD | |
| | | | ISI INSP - ISI BASELINE | | 1 |
| 1 | 04/07/2014 | 04/26/2014 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1, 2 | 04/14/2014 | 04/18/2014 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| | | | OL EXAM - INIT EXAM FOR QUAD CITIES - APRIL 2014 | | 3 |
| 1 | 04/21/2014 | 05/02/2014 | W90292 | OL - INITIAL EXAM - 2014 MARCH/APRIL - QUAD | |
| | | | BI EPX - EP EXERCISE INSPECTION/PI VERIFICATION | | 2 |
| 1 | 08/25/2014 | 08/29/2014 | IP 71151 | Performance Indicator Verification | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 06/09/2014 | 06/13/2014 | IP 71124.06-EP Drill | | |
| | | | ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT | | 2 |
| 1 | 07/01/2014 | 07/31/2014 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 08/04/2014 | 08/08/2014 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| | | | PI&R - BIENNIAL PI&R INSPECTION | | 1 |
| 1 | 09/08/2014 | 09/26/2014 | IP 71152B | Problem Identification and Resolution | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 10/20/2014 | 10/24/2014 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| 1 | 10/20/2014 | 10/24/2014 | IP 71151-BI01 | Reactor Coolant System Activity | |
| 1 | 10/20/2014 | 10/24/2014 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 1 | 10/20/2014 | 10/24/2014 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |

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