



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

September 1, 2015

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

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR LASALLE COUNTY STATION,  
UNITS 1 AND 2 (REPORT 05000373/2015005; 05000374/2015005)

Dear Mr. Hanson:

On August 13, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of LaSalle County Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2014 through June 30, 2015. 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, LaSalle County Station, 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 LaSalle County Station, 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, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half of the inspection plan are tentative and may be revised at the end-of-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. Notable infrequent inspections planned include the biennial Problem Identification and Resolution inspection, a Triennial Fire Protection inspection, a Triennial Heat Sink inspection, and a Component Design Basis inspection.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent

Fuel Pool Instrumentation,” which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC conducted audits of licensee efforts towards compliance with these Orders. The audit for LaSalle County Station, Units 1 and 2, was completed and the report issued on March 23, 2015 (ML15061A054). The information gathered will aid staff in development of the ultimate Safety Evaluation for the site, which will be issued after the NRC staff receives the Final Compliance letter for the site. The NRC staff will then confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction, TI 191, “Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.”

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC’s “Rules of Practice,” a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of 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) 829-9618 with any questions you have regarding this letter.

Sincerely,

/RA/

Michael A. Kunowski, Chief  
Branch 5  
Division of Reactor Projects

Docket Nos. 50–373 and 50–374  
License Nos. NPF–11 and NPF–18

Enclosure:  
LaSalle County Station, Units 1 and 2  
Inspection Plan

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| NAME   | MKunowski:map |      |      |      |
| DATE   | 8/27/2015     |      |      |      |

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**LaSalle**  
**Inspection / Activity Plan**  
**09/01/2015 - 12/31/2017**

| Unit Number | Planned Dates |            | Inspection Activity                                     | Title  | No. of Staff on Site |
|-------------|---------------|------------|---|--|----------------------|
| Start       | End           |            |   |  |                      |
|             |               |            | <b>RENEWAL - LICENSE RENEWAL INSPECTION 71002</b>       |  | <b>7</b>             |
| 1, 2        | 09/28/2015    | 10/16/2015 | IP 71002  | License Renewal Inspection                             |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>             |
| 1           | 08/31/2015    | 09/04/2015 | IP 71124.01   | Radiological Hazard Assessment and Exposure Controls   |                      |
| 1           | 08/31/2015    | 09/04/2015 | IP 71124.02   | Occupational ALARA Planning and Controls               |                      |
| 1           | 08/31/2015    | 09/04/2015 | IP 71151  | Performance Indicator Verification                     |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>             |
| 1           | 09/28/2015    | 10/02/2015 | IP 71124.01   | Radiological Hazard Assessment and Exposure Controls   |                      |
| 1           | 09/28/2015    | 10/02/2015 | IP 71124.05   | Radiation Monitoring Instrumentation                   |                      |
|             |               |            | <b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>     |  | <b>2</b>             |
| 1, 2        | 11/16/2015    | 11/20/2015 | IP 7111111B   | Licensed Operator Requalification Program              |                      |
|             |               |            | <b>ISI - INSERVICE INSPECTION ON UNIT 1</b>             |  | <b>2</b>             |
| 1           | 02/15/2016    | 03/11/2016 | IP 7111108G   | Inservice Inspection Activities - BWR                  |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>             |
| 1           | 02/22/2016    | 02/26/2016 | IP 71124.01   | Radiological Hazard Assessment and Exposure Controls   |                      |
| 1           | 02/22/2016    | 02/26/2016 | IP 71124.02   | Occupational ALARA Planning and Controls               |                      |
|             |               |            | <b>ENG BI - COMPONENT DESIGN BASES INSPECTION</b>       |  | <b>6</b>             |
| 1, 2        | 04/11/2016    | 05/13/2016 | IP 7111121  | Component Design Bases Inspection                      |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>             |
| 1           | 05/09/2016    | 05/13/2016 | IP 71124.03   | In-Plant Airborne Radioactivity Control and Mitigation |                      |
| 1           | 05/09/2016    | 05/13/2016 | IP 71124.04   | Occupational Dose Assessment                           |                      |
|             |               |            | <b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b> |  | <b>5</b>             |
| 1, 2        | 07/18/2016    | 07/22/2016 | IP 7111401  | Exercise Evaluation                                    |                      |
| 1, 2        | 07/18/2016    | 07/22/2016 | IP 7111406  | Drill Evaluation                                       |                      |
| 1, 2        | 07/18/2016    | 07/22/2016 | IP 7111408  | Exercise Evaluation – Scenario Review                  |                      |
| 1, 2        | 07/18/2016    | 07/22/2016 | IP 71151  | Performance Indicator Verification                     |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>             |
| 1           | 08/08/2016    | 08/12/2016 | IP 71124.07   | Radiological Environmental Monitoring Program          |                      |
| 1           | 08/08/2016    | 08/12/2016 | IP 71151  | Performance Indicator Verification                     |                      |
|             |               |            | <b>OL PREP - INIT PRPE/SEPTEMBER 2016</b>               |  | <b>3</b>             |
| 1           | 09/19/2016    | 09/23/2016 | W90347  | OL - INITIAL EXAM - 2016 SEPT-OCT - LASALLE            |                      |
|             |               |            | <b>OL EXAM - INIT EXAM/OCTOBER 2016</b>                 |  | <b>3</b>             |
| 1           | 10/17/2016    | 10/28/2016 | W90347  | OL - INITIAL EXAM - 2016 SEPT-OCT - LASALLE            |                      |

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

**LaSalle**  
**Inspection / Activity Plan**  
**09/01/2015 - 12/31/2017**

| Unit Number   | Planned Dates |            | Inspection Activity | Title  | No. of Staff on Site |
|---|---------------|------------|---------------------|--|----------------------|
| Start   | End           |            |                     |  |                      |
| <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |               |            |                     |  |                      |
| 1   | 11/14/2016    | 11/18/2016 | IP 71124.01         | Radiological Hazard Assessment and Exposure Controls                 | 1                    |
| 1   | 11/14/2016    | 11/18/2016 | IP 71124.02         | Occupational ALARA Planning and Controls                             |                      |
| <b>ISI - INSERVICE INSPECTION ON UNIT 2</b>             |               |            |                     |  |                      |
| 2   | 02/06/2017    | 02/24/2017 | IP 7111108G         | Inservice Inspection Activities - BWR                                | 1                    |
| <b>BI EP - EP BASELINE INSPECTION / PI VERIFICATION</b> |               |            |                     |  |                      |
| 1, 2  | 03/27/2017    | 03/31/2017 | IP 7111402          | Alert and Notification System Testing                                | 1                    |
| 1, 2  | 03/27/2017    | 03/31/2017 | IP 7111403          | Emergency Preparedness Organization Staffing and Augmentation System |                      |
| 1, 2  | 03/27/2017    | 03/31/2017 | IP 7111405          | Correction of Emergency Preparedness Weaknesses and Deficiencies     |                      |
| 1, 2  | 03/27/2017    | 03/31/2017 | IP 71151            | Performance Indicator Verification                                   |                      |
| <b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>       |               |            |                     |  |                      |
| 1, 2  | 05/01/2017    | 05/19/2017 | IP 71152B           | Problem Identification and Resolution                                | 4                    |
| <b>BI ENG - TRIENNIAL HEAT SINK INSPECTION</b>          |               |            |                     |  |                      |
| 1, 2  | 05/08/2017    | 05/12/2017 | IP 7111107T         | Heat Sink Performance  | 2                    |
| <b>BI FIRE - TRIENNIAL FIRE PROTECTION AND BAG TRIP</b> |               |            |                     |  |                      |
| 1, 2  | 10/30/2017    | 12/01/2017 | IP 7111105T         | Fire Protection [Triennial]  | 3                    |
| <b>OL-RQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>       |               |            |                     |  |                      |
| 1, 2  | 11/13/2017    | 11/17/2017 | IP 7111111B         | Licensed Operator Requalification Program                            | 2                    |