



**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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**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>		<b>1</b>
1	11/14/2016	11/18/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/14/2016	11/18/2016	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>ISI - INSERVICE INSPECTION ON UNIT 2</b>		<b>1</b>
2	02/06/2017	02/24/2017	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI EP - EP BASELINE INSPECTION / PI VERIFICATION</b>		<b>1</b>
1,2	03/27/2017	03/31/2017	IP 7111402	Alert and Notification System Testing	
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>		<b>4</b>
1,2	05/01/2017	05/19/2017	IP 71152B	Problem Identification and Resolution	
			<b>BI ENG - TRIENNIAL HEAT SINK INSPECTION</b>		<b>2</b>
1,2	05/08/2017	05/12/2017	IP 7111107T	Heat Sink Performance	
			<b>BI FIRE - TRIENNIAL FIRE PROTECTION AND BAG TRIP</b>		<b>3</b>
1,2	10/30/2017	12/01/2017	IP 7111105T	Fire Protection [Triennial]	
			<b>OL-RQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
1,2	11/13/2017	11/17/2017	IP 7111111B	Licensed Operator Requalification Program	

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