



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 4, 2015

Mr. Bryan Hanson
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Rd.
Warrenville, IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR LIMERICK GENERATING STATION,
UNITS 1 AND 2 (REPORT 05000352/2014001 AND 05000353/2014001)**

Dear Mr. Hanson:

On February 9, 2015, the U. S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the Limerick Generating Station (Limerick) 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, 2014 through December 31, 2014. 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 the performance at Limerick Generating Station, Units 1 and 2 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs as described in the NRC Inspection Report Nos. 05000352/2014405 and 05000353/2014405, sent on October 23, 2014. Therefore, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." By a letter (ML15028A450) dated January 27, 2015, your staff notified the NRC of your readiness for the 95001 supplemental inspection and this onsite inspection has been scheduled for the week of March 16, 2015.

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. In addition to ROP baseline inspections, the NRC will perform Inspection Procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants." 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.

In accordance with Title 10 of the *Code of Federal Regulations*, Part 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 component of NRC's document 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 (610) 337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

Ho K. Nieh
Director
Division of Reactor Projects

Docket Nos.: 50-352, 50-353
License Nos.: NPF-39, NPF-85

Enclosure: Limerick Generating Station Inspection/Activity Plan

cc: Distribution via ListServ

In accordance with Title 10 of the *Code of Federal Regulations*, Part 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 component of NRC's document 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 (610) 337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

Ho K. Nieh, Director
Division of Reactor Projects
USNRC, Region 1

Docket Nos.: 50-352, 50-353
License Nos.: NPF-39, NPF-85

Enclosure: Limerick Generating Station Inspection/Activity Plan

cc w/encl: Distribution via ListServ

Distribution w/encl:
D. Dorman, RA
D. Lew, DRA
H. Nieh, DRP
M. Scott, DRP
R. Lorson, DRS
J. Trapp, DRS
J. Clifford, DNMS
F. Bower, DRP
S. Barber, DRP
A. Turilin, DRP
B. Lin, DRP

J. Greives, DRP
T. Daun, DRP
D. Screnci, PAO
N. Sheehan, PAO
D. Schroeder, DRP
A. Burritt, DRP
G. Dentel, DRP
F. Bower, DRP
R. McKinley, DRP
K. Mangan, DRP
A. Dimitriadis, DRS
J. Noggle, DRS

M. Gray, DRS
P. Krohn, DRS
J. Rogge, DRS
D. Jackson, DRS
K. MorganButler, RI OEDO
RidsNrrPMSusquehanna Res
RidsNrrDorLp1-2 Resource
ROPReports Resource
RidsNrrDirslpab Resource
ROPAssessmentResource

DOC NAME: S:\ROP Assessment Meetings\ROP-15 EOC Review\Branch 4\Limerick\LIM ROP 15 EOC Letter.docx
ADAMS Accession No.: **ML15062A213**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME	SBarber/ GSB	FBower/ FLB	HNieh/ HKN		
DATE	02/19/15	02/19 /15	02/25/15		

OFFICIAL RECORD COPY

Limerick
Inspection / Activity Plan
01/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			10/6EXAM - INITIAL OL EXAM		4
1	01/12/2015	01/21/2015	U01892	FY15-LIMERICK INITIAL OPERATOR LICENSING EXAM	
			71124 - RADIATION PROTECTION		1
1, 2	03/16/2015	03/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/16/2015	03/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/16/2015	03/20/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/16/2015	03/20/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	03/16/2015	03/20/2015	IP 71124.05	Radiation Monitoring Instrumentation	
			71124 - RADIATION PROTECTION		1
1, 2	04/13/2015	04/17/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/13/2015	04/17/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/13/2015	04/17/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/13/2015	04/17/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	04/13/2015	04/17/2015	IP 71124.05	Radiation Monitoring Instrumentation	
			7111108G - U2 INSERVICE INSPECTION		1
2	04/20/2015	04/24/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			CDBI - COMPONENT DESIGN BASIS INSPECTION		6
1, 2	06/08/2015	06/12/2015	IP 7111121	Component Design Bases Inspection	
1, 2	06/22/2015	06/26/2015	IP 7111121	Component Design Bases Inspection	
1, 2	07/06/2015	07/10/2015	IP 7111121	Component Design Bases Inspection	
			71124 - REMP		1
1, 2	07/13/2015	07/17/2015	IP 71124.07	Radiological Environmental Monitoring Program	
			ISFSI - ISFSI LOADING INSPECTION		1
1, 2	07/13/2015	07/17/2015	IP 60855	Operation Of An ISFSI	
1, 2	07/13/2015	07/17/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			12/7EXAM - INITIAL OL EXAM		4
1	12/07/2015	12/11/2015	U01912	FY16 - LIMERICK INITIAL OPERATOR LICENSING EXAM	
1	01/18/2016	01/22/2016	U01912	FY16 - LIMERICK INITIAL OPERATOR LICENSING EXAM	
			71124 - RADIATION PROTECTION		1
1, 2	09/14/2015	09/18/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/14/2015	09/18/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/14/2015	09/18/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/14/2015	09/18/2015	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.

Limerick
Inspection / Activity Plan
01/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - RADIATION PROTECTION		1
1, 2	09/14/2015	09/18/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/14/2015	09/18/2015	IP 71151	Performance Indicator Verification	
			7111111B - REQUAL INSP W/ P/F RESULTS		2
1, 2	11/16/2015	11/20/2015	IP 7111111B	Licensed Operator Requalification Program	
			EP - EP EXERCISE		6
1, 2	11/16/2015	11/20/2015	IP 7111401	Exercise Evaluation	
1, 2	11/16/2015	11/20/2015	IP 7111408	Exercise Evaluation – Scenario Review	
			71124.08 - RADWASTE		1
1, 2	01/11/2016	01/15/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124 - RADIATION PROTECTION		1
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	
1, 2	02/22/2016	02/26/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/22/2016	02/26/2016	IP 71124.04	Occupational Dose Assessment	
1, 2	02/22/2016	02/26/2016	IP 71124.05	Radiation Monitoring Instrumentation	
			ISI - U1 INSERVICE INSPECTION		1
1	03/28/2016	04/01/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - RADIATION PROTECTION		1
1, 2	03/28/2016	04/01/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/28/2016	04/01/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/28/2016	04/01/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/28/2016	04/01/2016	IP 71124.04	Occupational Dose Assessment	
1, 2	03/28/2016	04/01/2016	IP 71124.05	Radiation Monitoring Instrumentation	
			TRI FI - TRIENNIAL FIRE PROTECTION		4
1, 2	06/06/2016	06/10/2016	IP 7111105T	Fire Protection [Triennial]	
1, 2	06/20/2016	06/24/2016	IP 7111105T	Fire Protection [Triennial]	

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