



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 4, 2014

Mr. Michael J. Pacilio
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 UNITS 1 AND 2
(REPORT 05000352/2013001 AND 05000353/2013001)

Dear Mr. Pacilio:

On February 13, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Limerick Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from January 1, 2013 through December 31, 2013. 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, Limerick 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 Limerick Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all performance indicators demonstrated that your performance was within the nominal, expected range (i.e, green). Therefore, the NRC plans to conduct Reactor Oversight Process baseline inspections at your facility.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised beginning in calendar year (CY) 2014. New cross-cutting aspects identified in CY 2014 will be coded under the latest revision to IMC 0310. Cross-cutting aspects identified in the last six months of 2013 using the previous terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310. The revised cross-cutting aspects will be evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305 starting with the CY 2014 mid-cycle assessment review.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. 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 baseline inspections, the NRC will perform Inspection Procedure 92709, "Licensee Plans for Coping with Strikes" (security contract expires October 31, 2014). 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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), 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 the NRC's Agencywide Document 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 (610)337-5200 with any questions you have regarding this letter.

Sincerely,

/RA/

Fred L. Bower, III, Chief
Projects Branch 4
Division of Reactor Projects

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

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

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Enclosure: Inspection Plan

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OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME <i>mmt</i>	EDiPaolo/ GSB for	SBarber/ GSB	FBower/ FLB		
DATE	02/25/14	02/25/14	02/26/14		

OFFICIAL RECORD COPY

Limerick
Inspection / Activity Plan
01/10/2014 - 06/30/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124.08 - RADWASTE		1
1,2	02/10/2014	02/14/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124 - RAD SAFETY INSPECTION		1
1,2	02/24/2014	02/28/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	02/24/2014	02/28/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	02/24/2014	02/28/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	02/24/2014	02/28/2014	IP 71124.04	Occupational Dose Assessment	
1,2	02/24/2014	02/28/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			7111108G - U1 INSERVICE INSPECTION		1
1	03/31/2014	04/04/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - RAD SAFETY INSPECTION		1
1	03/31/2014	04/04/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/31/2014	04/04/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/31/2014	04/04/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/31/2014	04/04/2014	IP 71124.04	Occupational Dose Assessment	
1	03/31/2014	04/04/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			7111111B - LIM LSRO REQ INSP WITH P/F RESULTS		2
1,2	06/02/2014	06/06/2014	IP 7111111B	Licensed Operator Requalification Program	
			71124 - RAD EFFLUENTS MONITORING PROGRAM		1
1,2	06/02/2014	06/06/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			INSP - RADIATION PROTECTION		1
1,2	07/07/2014	07/11/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	07/07/2014	07/11/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	07/07/2014	07/11/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	07/07/2014	07/11/2014	IP 71124.04	Occupational Dose Assessment	
1,2	07/07/2014	07/11/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			7111107T - TRIENNIAL HEAT SINK		1
1,2	07/14/2014	07/18/2014	IP 7111107T	Heat Sink Performance	
			71152B - PI&R BIENNIAL		1
1,2	09/15/2014	09/20/2014	IP 71152B	Problem Identification and Resolution	
1,2	09/29/2014	10/03/2014	IP 71152B	Problem Identification and Resolution	
			10/6EXAM - LIMERICK INITIAL EXAM		4
1	12/15/2014	12/19/2014	U01892	FY15-LIMERICK INITIAL OPERATOR LICENSING EXAM	
1	01/12/2015	01/21/2015	U01892	FY15-LIMERICK INITIAL OPERATOR LICENSING EXAM	

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

Limerick
Inspection / Activity Plan
01/10/2014 - 06/30/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
INSP - RADIATION PROTECTION					1
1,2	09/08/2014	09/12/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	09/08/2014	09/12/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	09/08/2014	09/12/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	09/08/2014	09/12/2014	IP 71124.04	Occupational Dose Assessment	
1,2	09/08/2014	09/12/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	09/08/2014	09/12/2014	IP 71151	Performance Indicator Verification	
711111B - LIMERICK REQUAL INSP WITH P/F RESULTS					2
1,2	11/17/2014	11/21/2014	IP 711111B	Licensed Operator Requalification Program	
MODS - PERMANENT PLANT MODIFICATIONS					6
1,2	11/03/2014	11/07/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1,2	11/17/2014	11/21/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
711111B - LIMERICK REQUAL INSP WITH P/F RESULTS					2
1,2	01/19/2015	01/23/2015	IP 711111B	Licensed Operator Requalification Program	
EP PROG - EP PROGRAM INSPECTION					2
1,2	12/01/2014	12/05/2014	IP 7111402	Alert and Notification System Testing	
1,2	12/01/2014	12/05/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	12/01/2014	12/05/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
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	
7111108G - U2 INSERVICE INSPECTION					1
2	04/13/2015	04/17/2015	IP 7111108G	Inservice Inspection Activities - BWR	
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	
7111121 - CDBI					7
1,2	06/08/2015	06/12/2015	IP 7111121	Component Design Bases Inspection	

This report does not include INPO and OUTAGE activities.
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Limerick
Inspection / Activity Plan
01/10/2014 - 06/30/2015

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	06/22/2015 06/26/2015	7111121 - CDBI IP 7111121	Component Design Bases Inspection	7

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This report shows only on-site and announced inspection procedures.