



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I**
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

September 3, 2013

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: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
LIMERICK GENERATING STATION, UNITS 1 AND 2 (REPORT
05000352/2013006 AND 05000353/2013006)**

Dear Mr. Pacilio:

On August 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of the Limerick Generating Station (Limerick) Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2012 through June 30, 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will perform Temporary Instruction 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks." The inspections listed during the last 9 months 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 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 the 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 (610)337-5209 with any questions you have regarding this letter.

Sincerely,

/RA/

Mel Gray, Chief
Reactor 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

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OFFICE	RI/DRP	RI/DRP	RI/DRP		
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DATE	08/ 25 /13	08/ 26/13	09/03 /13		

OFFICIAL RECORD COPY

Limerick
 Inspection / Activity Plan
 07/01/2013 - 12/31/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			HP - RADIATION SAFETY INSPECTIONS		1
1,2	07/08/2013	07/12/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	07/08/2013	07/12/2013	IP 71124.07	Radiological Environmental Monitoring Program	
			EP EX - EP EXERCISE EVALUATION		6
1,2	09/16/2013	11/22/2013	IP 7111408	Exercise Evaluation – Scenario Review	
1,2	11/18/2013	11/22/2013	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			HP - RADIATION SAFETY INSPECTIONS		1
1,2	11/04/2013	11/08/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	11/04/2013	11/08/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	11/04/2013	11/08/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			TI 182 - DEGRAD IATION UNDERGROUND PIPING-PHASE 2		1
1,2	11/12/2013	11/15/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			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	06/16/2014	06/20/2014	IP 7111111B	Licensed Operator Requalification Program	
			71124 - RAD ENVIRONMENTAL MONITORING PROGRAM		1
1,2	06/09/2014	06/13/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			7111107T - TRIENNIAL HEAT SINK		1
1,2	07/14/2014	07/18/2014	IP 7111107T	Heat Sink Performance	

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

Limerick
Inspection / Activity Plan
07/01/2013 - 12/31/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
71152B - PI&R BIENNIAL					1
1, 2	09/16/2014	09/21/2014	IP 71152B	Problem Identification and Resolution	
1, 2	09/30/2014	10/04/2014	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	
7111111B - LIMERICK REQUAL INSP WITH P/F RESULTS					2
1, 2	11/17/2014	11/21/2014	IP 7111111B	Licensed Operator Requalification Program	
MODS - PERMANENT PLANT MODIFICATIONS					4
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	
EP PROG - EP PROGRAM INSPECTION					1
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	

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