



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

September 1, 2010

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 ASSESSMENT LETTER - LIMERICK GENERATING STATION  
UNITS 1 and 2

Dear Mr. Pacilio:

On August 11, 2010, the Nuclear Regulatory Commission staff completed its performance review of Limerick Generating Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009 through June 30, 2010. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only-Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Limerick Units 1 and 2, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting infrequently performed inspection procedure IP 60855, "Operation of an ISFSI."

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public

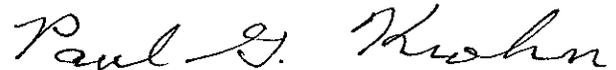
M. Pacilio

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If circumstances arise which causes us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (610) 337-5120 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Paul G. Krohn, Chief  
Division of Reactor Projects  
Projects Branch 4

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

Enclosure: Limerick Inspection/ Activity Plan

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Sincerely  
/RA/  
Paul G. Krohn, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos. 50-352, 50-353  
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Enclosure: Limerick Inspection/ Activity Plan

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OFFICE <i>mmt</i>	RI/DRP	RI/DRP		
NAME	ARosebrook/AAR	PKrohn/PGK		
DATE	08/25/10	08/26/10		

**Limerick**  
**Inspection / Activity Plan**  
**07/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>7/19EXAM - LSRO INITIAL OPERATOR LICENSING EXAM</b>		<b>3</b>
1	07/19/2010	07/23/2010	U01796	FY-10 LGS LSRO EXAM	
			<b>10/4EXAM - OPERATOR LICENSING INITIAL EXAMS</b>		<b>6</b>
1	09/06/2010	09/10/2010	U01767	FY11 - LIMERICK UNITS 1&2 INITIAL OPERATOR LICENSING EXAM	
1	10/04/2010	10/15/2010	U01767	FY11 - LIMERICK UNITS 1&2 INITIAL OPERATOR LICENSING EXAM	
			<b>7111111B - LIMERICK LSRO REQUAL INSPECTION</b>		<b>2</b>
1,2	08/02/2010	08/06/2010	IP 7111111B	Licensed Operator Requalification Program	
1,2	09/07/2010	09/10/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>7111111B - REQUAL INSP WITH P/F RESULTS</b>		<b>3</b>
1,2	11/15/2010	11/19/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>71152B - PI&amp;R</b>		<b>4</b>
1,2	11/01/2010	11/05/2010	IP 71152B	Identification and Resolution of Problems	
1,2	11/15/2010	11/19/2010	IP 71152B	Identification and Resolution of Problems	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
1,2	12/06/2010	12/10/2010	IP 7111402	Alert and Notification System Testing	
1,2	12/06/2010	12/10/2010	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	12/06/2010	12/10/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	12/06/2010	12/10/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	12/06/2010	12/10/2010	IP 71151-EP01	Drill/Exercise Performance	
1,2	12/06/2010	12/10/2010	IP 71151-EP02	ERO Drill Participation	
1,2	12/06/2010	12/10/2010	IP 71151-EP03	Alert & Notification System	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	01/10/2011	01/14/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/10/2011	01/14/2011	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>7111108G - U2 INSERVICE INSPECTION</b>		<b>1</b>
2	04/04/2011	04/08/2011	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	04/04/2011	04/08/2011	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	04/04/2011	04/08/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/04/2011	04/08/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/04/2011	04/08/2011	IP 71124.04	Occupational Dose Assessment	
			<b>60855 - ISFSI OPERATION INSPECTION</b>		<b>1</b>
1,2	06/06/2011	06/10/2011	IP 60855	Operation Of An ISFSI	

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

Limerick  
 Inspection / Activity Plan  
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>7111107T - TRIENNIAL HEAT SINK</b>		1
1	06/14/2011	06/18/2011	IP 7111107T	Heat Sink Performance	
			<b>71124 - OCC RAD SAFETY - INSTRUMENTS</b>		1
1,2	08/08/2011	08/12/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>TI-177 - MANAGING GAS ACCUMULATION IN ECCS</b>		3
1,2	08/08/2011	08/12/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			<b>71124 - REMP</b>		1
1,2	09/26/2011	09/30/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>7111117 - PERMANENT PLANT MODIFICATIONS</b>		3
1,2	10/31/2011	11/04/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	11/14/2011	11/18/2011	IP 7111117A	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications	
			<b>71124 - EFFLUENTS</b>		1
1,2	10/31/2011	11/04/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>EP EX - EP EXERCISE EVALUATION</b>		4
1,2	11/14/2011	11/18/2011	IP 7111401	Exercise Evaluation	
1,2	11/14/2011	11/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	11/14/2011	11/18/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	11/14/2011	11/18/2011	IP 71151-EP02	ERO Drill Participation	
1,2	11/14/2011	11/18/2011	IP 71151-EP03	Alert & Notification System	

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