



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

March 3, 2010

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

SUBJECT: ANNUAL ASSESSMENT LETTER - LIMERICK GENERATING STATION  
(05000352/2010001 and 05000353/2010001)

Dear Mr. Pardee:

On February 16, 2010, the NRC 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 January 1, 2009 through December 31, 2009. 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.

Overall, Limerick Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, 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 procedures (IPs) which include IP 60855, "Operation of an ISFSI" and IP 92702, "Follow-up on Corrective Actions for Violations and Deviations" regarding issues associated with the reactor building crane (ML093500674)<sup>1</sup>.

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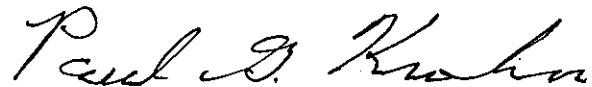
<sup>1</sup> Designation in parenthesis refers to an ADAMS accession number. Documents referenced in this letter are publicly available using the accession number in ADAMS.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 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 mid-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 Document Room or from the Publicly Available Records (PARS) 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).

If circumstances arise which cause 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

cc w/encl: Distribution via ListServ  
Limerick Inspection/ Activity Plan

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 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 mid-cycle review.

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

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**ML100621090**

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Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>71124</b>	<b>- OCC RAD SAFETY</b>	1
1, 2	01/04/2010	01/08/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	01/04/2010	01/08/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	01/04/2010	01/08/2010	IP 71124.04	Occupational Dose Assessment	
			<b>7119EXAM</b>	<b>- LSRO INITIAL OPERATOR LICENSING EXAM</b>	3
1	06/06/2010	06/18/2010	U01796	FY-10 LGS LSRO EXAM	
1	07/19/2010	07/23/2010	U01796	FY-10 LGS LSRO EXAM	
			<b>7111108G</b>	<b>- U1 INSERVICE INSPECTION</b>	1
1	03/29/2010	04/02/2010	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71124</b>	<b>- OCC RAD SAFETY</b>	1
1	04/05/2010	04/09/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/05/2010	04/09/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/05/2010	04/09/2010	IP 71124.04	Occupational Dose Assessment	
			<b>TRI FIRE</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	3
1, 2	05/10/2010	05/14/2010	IP 7111105T	Fire Protection [Triennial]	
1, 2	05/24/2010	05/28/2010	IP 7111105T	Fire Protection [Triennial]	
			<b>92702</b>	<b>- CLOSEOUT - NOTICE OF VIOLATION</b>	1
1, 2	05/03/2010	05/07/2010	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			<b>10/4EXAM</b>	<b>- OPERATOR LICENSING INITIAL EXAMS</b>	6
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>71124</b>	<b>- PUB RAD SAFETY - RADWASTE &amp; ISFSI</b>	1
1, 2	06/07/2010	06/11/2010	IP 60855	Operation Of An ISFSI	
1, 2	06/07/2010	06/11/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>7111111B</b>	<b>- REQUAL INSP WITH P/F RESULTS</b>	3
1, 2	11/15/2010	11/19/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>71152B</b>	<b>- PI&amp;R</b>	4
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</b>	<b>- EP PROGRAM INSPECTION</b>	1
1, 2	12/06/2010	12/10/2010	IP 7111402	Alert and Notification System Evaluation	
1, 2	12/06/2010	12/10/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
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	

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1,2	12/06/2010	12/10/2010	EP PROGR - EP PROGRAM INSPECTION		1
			IP 71151-EP02	ERO Drill Participation	
1,2	12/06/2010	12/10/2010	IP 71151-EP03	Alert & Notification System	
2	04/04/2011	04/08/2011	7111108G - U2 INSERVICE INSPECTION	Inservice Inspection Activities - BWR	1
			IP 7111108G		
			71124 - OCC RAD SAFETY		1
1,2	04/04/2011	04/08/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	06/06/2011	06/10/2011	60855 - ISFSI OPERATION INSPECTION		1
			IP 60855	Operation Of An ISFSI	
1	06/14/2011	06/18/2011	7111107T - TRIENNIAL HEAT SINK		1
			IP 7111107T	Heat Sink Performance	

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