



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

September 1, 2009

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: MID-CYCLE ASSESSMENT LETTER - LIMERICK GENERATING STATION

Dear Mr. Pardee:

On August 13, 2009, 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 July 1, 2008 through June 30, 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.

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.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2010. 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 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).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures as part of our biennial review of the ROP. If the results of the evaluation, or any other circumstances, 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,

/RA/

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

cc w/encl:

C. Crane, President and Chief Operating Officer, Exelon Corporation
M. Pacilio, Chief Operating Officer, Exelon Nuclear
C. Mudrick, Site Vice President, Limerick Generating Station
E. Callan, Plant Manager, Limerick Generating Station
R. Kreider, Regulatory Assurance Manager, Limerick
J. Grimes, Acting Senior Vice President, Mid-Atlantic Operations
K. Jury, Vice President, Licensing & Regulatory Affairs
P. Cowan, Director, Licensing
D. Helker, Licensing
B. Fewell, Associate General Counsel, Exelon
Correspondence Control Desk
D. Allard, Director, PA Dept of Environmental Protection
J. Johnsrud, National Energy Committee, Sierra Club
Chairman, Board of Supervisors of Limerick Township

Limerick
Inspection / Activity Plan
07/01/2009 - 12/31/2010

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|---|----------------------|
| | Start | End | | | |
| | | | 7112103 - RMS & SCBA | | 1 |
| 1 | 08/03/2009 | 08/07/2009 | IP 7112103 | Radiation Monitoring Instrumentation and Protective Equipment | |
| | | | 7112103 - OCC RAD SAFETY - INSTRUMENTS | | 1 |
| 1,2 | 08/03/2009 | 08/07/2009 | IP 7112103 | Radiation Monitoring Instrumentation and Protective Equipment | |
| | | | 71122.01 - PUB RAD SAFETY - RETS & ANNUAL ISFSI | | 1 |
| 1,2 | 08/17/2009 | 08/21/2009 | IP 2515/173 | Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative | |
| 1,2 | 08/17/2009 | 08/21/2009 | IP 7112201 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems | |
| | | | 7111121 - CDBI | | 8 |
| 1,2 | 10/19/2009 | 10/23/2009 | IP 7111121 | Component Design Bases Inspection | |
| 1,2 | 10/26/2009 | 10/30/2009 | IP 7111121 | Component Design Bases Inspection | |
| | | | EP EXER - EP EXERCISE INSPECTION | | 4 |
| 1,2 | 11/16/2009 | 11/20/2009 | IP 7111401 | Exercise Evaluation | |
| 1,2 | 11/16/2009 | 11/20/2009 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| 1,2 | 11/16/2009 | 11/20/2009 | IP 71151-EP01 | Drill/Exercise Performance | |
| 1,2 | 11/16/2009 | 11/20/2009 | IP 71151-EP02 | ERO Drill Participation | |
| 1,2 | 11/16/2009 | 11/20/2009 | IP 71151-EP03 | Alert & Notification System | |
| | | | TI-178 - SURVEILLANCE FREQUENCY CONTROL PROGRAM | | 2 |
| 1,2 | 11/30/2009 | 12/04/2009 | IP 2515/178 | Risk Management Technical Specifications Initiative 5b Surveillance Frequency Control Program | |
| | | | 71121 - OCC RAD SAFETY | | 1 |
| 1,2 | 01/04/2010 | 01/08/2010 | IP 7112101 | Access Control to Radiologically Significant Areas | |
| 1,2 | 01/04/2010 | 01/08/2010 | IP 7112102-7112102R | ALARA - Required | |
| | | | 6/07EXAM - LSRO INITIAL OPERATOR LICENSING EXAM | | 3 |
| 1 | 06/07/2010 | 06/18/2010 | U01796 | FY-10 LIMERICK EXAM FOR LIMERICK GENERATING STATION 6/7/2010 | |
| | | | 7111108G - U1 INSERVICE INSPECTION | | 1 |
| 1 | 03/29/2010 | 04/02/2010 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | | 71121 - OCC RAD SAFETY | | 1 |
| 1 | 04/05/2010 | 04/09/2010 | IP 7112101 | Access Control to Radiologically Significant Areas | |
| 1 | 04/05/2010 | 04/09/2010 | IP 7112102-7112102R | ALARA - Required | |
| | | | TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION | | 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] | |
| | | | 10/4EXAM - OPERATOR LICENSING INITIAL EXAMS | | 4 |
| 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 | |

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

Limerick
Inspection / Activity Plan
07/01/2009 - 12/31/2010

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|--|----------------------|
| | Start | End | | | |
| | | | 7112202 - PUB RAD SAFETY - RADWASTE | | 1 |
| 1,2 | 06/07/2010 | 06/11/2010 | IP 7112202 | Radioactive Material Processing and Transportation | |
| | | | 7111111B - REQUAL INSP WITH P/F RESULTS | | 3 |
| 1,2 | 11/15/2010 | 11/19/2010 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | 71152B - PI&R | | 5 |
| 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 | |
| | | | EP PROGR - EP PROGRAM INSPECTION | | 1 |
| 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 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 | Performance Indicator Verification | |

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