



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

March 3, 2010

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

SUBJECT: ANNUAL ASSESSMENT LETTER - LASALLE COUNTY STATION,
UNITS 1 AND 2 (05000373/2010001; 05000374/2010001)

Dear Mr. Pardee:

On February 11, 2010, the NRC staff completed its performance review of LaSalle County Station, Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 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, LaSalle County Station, 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.

The enclosed inspection plan details the inspections, including baseline and other infrequently conducted inspections, less those related to security, scheduled through June 30, 2011. We also plan on conducting several special and infrequently performed inspection procedures which include: Inspection Procedure (IP) 60854.1, "Preoperational Testing of Independent Spent Fuel Storage Facility Installations at Operating Plants" and IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants." 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 9 months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 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 Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 630-829-9628 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Kenneth Riemer, Chief
Branch 2
Division of Reactor Projects

Docket Nos. 50-373; 50-374
License Nos. NPF-11; NPF-18

Enclosure: LaSalle Inspection/Activity Plan

cc w/encl: Distribution via ListServ

C. Pardee

- 2 -

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| OFFICE | RIII | N | RIII | N | RIII | | RIII |
| NAME | KRiemer for AScarbeary:cms | | KRiemer | | | | |
| DATE | 03/03/10 | | 03/03/10 | | | | |

OFFICIAL RECORD COPY

Letter to C. Pardee from K. Riemer dated March 3, 2010

SUBJECT: ANNUAL ASSESSMENT LETTER - LASALLE COUNTY STATION,
UNITS 1 AND 2 (05000373/2010001; 05000374/2010001)

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LaSalle
Inspection / Activity Plan
03/01/2010 - 06/30/2011

| Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|---------------|------------|---------------------|--|----------------------|
| Start | End | | | |
| | | ISFSI | - ISFSI INSPECT. - SCHEDULE DEPENDENT | 2 |
| 03/01/2010 | 05/31/2010 | IP 60854.1 | Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants | |
| 05/01/2010 | 09/30/2010 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| | | BI RP | - RADIATION PROTECTION BASELINE INSPECTION | 1 |
| 04/19/2010 | 04/23/2010 | IP 2515/173 | Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative | |
| 04/19/2010 | 04/23/2010 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 04/19/2010 | 04/23/2010 | IP 71124.04 | Occupational Dose Assessment | |
| | | BI EP | - EP EXERCISE / PI VERIFICATION | 3 |
| 07/26/2010 | 07/30/2010 | IP 7111401 | Exercise Evaluation | |
| 07/26/2010 | 07/30/2010 | IP 71151-EP01 | Drill/Exercise Performance | |
| 07/26/2010 | 07/30/2010 | IP 71151-EP02 | ERO Drill Participation | |
| 07/26/2010 | 07/30/2010 | IP 71151-EP03 | Alert & Notification System | |
| | | BI RP | - RADIATION PROTECTION BASELINE INSPECTION | 1 |
| 08/02/2010 | 08/06/2010 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 08/02/2010 | 08/06/2010 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 08/02/2010 | 08/06/2010 | IP 71151-BI01 | Reactor Coolant System Activity | |
| 08/02/2010 | 08/06/2010 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 08/02/2010 | 08/06/2010 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | OL PREP | - LASALLE INIT PREP - AUG. 2010 | 3 |
| 08/23/2010 | 08/27/2010 | W90220 | OL - INITIAL EXAM - SEPT 2010 - LASA | |
| | | BI RP | - RADIATION PROTECTION BASELINE INSPECTION | 1 |
| 09/13/2010 | 09/17/2010 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| | | OL EXAM | - LASALLE INIT EXAM - SEPT. 2010 | 3 |
| 09/13/2010 | 09/24/2010 | W90220 | OL - INITIAL EXAM - SEPT 2010 - LASA | |
| | | BI ENG | - COMPONENT DESIGN BASES INSPECTION | 7 |
| 10/18/2010 | 11/19/2010 | IP 7111121 | Component Design Bases Inspection | |
| | | BI ENG | - HEAD DROP ANALYSIS | 1 |
| 10/18/2010 | 11/05/2010 | IP 7111120 | Refueling and Other Outage Activities | |
| | | BI ENG | - ENGINEERING INSERVICE INSPECTION-U2 | 1 |
| 02/21/2011 | 03/16/2011 | IP 7111108G | Inservice Inspection Activities - BWR | |
| | | BI RP | - RADIATION PROTECTION BASELINE INSPECTION | 1 |
| 03/07/2011 | 03/11/2011 | IP 2515/179 | Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS | |
| 03/07/2011 | 03/11/2011 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 03/07/2011 | 03/11/2011 | IP 71124.02 | Occupational ALARA Planning and Controls | |

LaSalle
Inspection / Activity Plan
03/01/2010 - 06/30/2011

| Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|---------------|------------|---|--|----------------------|
| Start | End | | | |
| | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 04/25/2011 | 04/29/2011 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| | | BI ENG - TRIENNIAL HEAT SINK INSPECTION | | 1 |
| 06/20/2011 | 06/24/2011 | IP 7111107T | Heat Sink Performance | |
| | | BI EP - EP ROUTINE INSPECTION / PI VERIFICATION | | 2 |
| 06/27/2011 | 07/01/2011 | IP 7111402 | Radiological Environmental Monitoring Program | |
| 06/27/2011 | 07/01/2011 | IP 7111403 | Emergency Response Organization Augmentation Testing | |
| 06/27/2011 | 07/01/2011 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 06/27/2011 | 07/01/2011 | IP 71151-EP01 | Drill/Exercise Performance | |
| 06/27/2011 | 07/01/2011 | IP 71151-EP02 | ERO Drill Participation | |
| 06/27/2011 | 07/01/2011 | IP 71151-EP03 | Alert & Notification System | |