



**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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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	