



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2009

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 - DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (05000237/2009001; 05000249/2009001)

Dear Mr. Pardee:

On February 11, 2009, the NRC staff completed its performance review of Dresden Nuclear Power Station, Units 2 and 3. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2008. 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 Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, Dresden Nuclear Power Station, Units 2 and 3, 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, less those related to security, scheduled through June 30, 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 scheduled include: engineering modifications/50.59, biennial PI&R, component design basis, and license renewal inspections. 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 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), 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 630-829-9703 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Mark A. Ring, Chief  
Branch 1  
Division of Reactor Projects

Docket Nos. 50-237; 50-249; 72-037  
License Nos. DPR-19; DPR-25

Enclosure: Dresden Inspection/Activity Plan

**DISTRIBUTION**

See next page

Letter to C. Pardee from M. Ring dated March 4, 2009

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UNITS 2 AND 3 (05000237/2009001; 05000249/2009001)

cc w/encl: Site Vice President - Dresden Nuclear Power Station  
Plant Manager - Dresden Nuclear Power Station  
Manager Regulatory Assurance - Dresden Nuclear Power Station  
Senior Vice President - Midwest Operations  
Senior Vice President - Operations Support  
Vice President - Licensing and Regulatory Affairs  
Director - Licensing and Regulatory Affairs  
Manager Licensing - Clinton, Dresden, and Quad Cities  
Associate General Counsel  
Document Control Desk - Licensing  
Assistant Attorney General  
J. Klinger, State Liaison Officer,  
Illinois Emergency Management Agency  
Chairman, Illinois Commerce Commission  
Will County Executive  
Will County Sheriff  
Director, Will County Emergency  
Management Agency  
Mayor of Joliet  
City Manager of Joliet  
Kendall County Board Chairman  
Kendall County Sheriff  
Grundy County Board Chairman  
Grundy County Sheriff  
Grundy County Emergency Management Agency  
Mayor of Morris  
Minooka Village President  
Mayor of Coal City  
Mayor of Carbon Hill  
Mayor of Diamond  
Mayor of Braidwood  
Mayor of Wilmington  
Channahon Village President  
Channahon Village Administrator  
Mayor of Shorewood  
Shorewood Village Administrator  
Mayor of Elwood  
G. Mortensen, INPO

**Dresden**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>ISFSI - ISFSI - ROUTINE LOADING</b>		<b>1</b>
03/01/2009	06/30/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		<b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>4</b>
03/23/2009	03/27/2009	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review	
03/23/2009	03/27/2009	IP 7111401	Exercise Evaluation	
03/23/2009	03/27/2009	IP 71151-EP01	Drill/Exercise Performance	
03/23/2009	03/27/2009	IP 71151-EP02	ERO Drill Participation	
03/23/2009	03/27/2009	IP 71151-EP03	Alert & Notification System	
		<b>OL EXAM - DRESDEN INIT EXAM MARCH 09</b>		<b>3</b>
03/09/2009	03/13/2009	W90196	OL - INITIAL EXAM - MARCH 2009 - DRES	
		<b>BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.</b>		<b>3</b>
05/04/2009	05/22/2009	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
04/27/2009	05/01/2009	IP 7112101	Access Control to Radiologically Significant Areas	
04/27/2009	05/01/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
04/27/2009	05/01/2009	IP 71151-BI01	Reactor Coolant System Activity	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
08/04/2009	08/14/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
08/04/2009	08/14/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
08/04/2009	08/14/2009	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>RENEWAL - POST-LICENSE RENEWAL INSPECTION</b>		<b>4</b>
10/05/2009	10/23/2009	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>BI ENG - ENGINEERING INSERVICE INSPECTION</b>		<b>1</b>
11/09/2009	11/20/2009	IP 7111108G	Inservice Inspection Activities - BWR	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
11/16/2009	11/20/2009	IP 7112101	Access Control to Radiologically Significant Areas	
11/16/2009	11/20/2009	IP 7112102	ALARA Planning and Controls	
11/16/2009	11/20/2009	IP 71151-OR01	Occupational Exposure Control Effectiveness	
		<b>RENEWAL - POST LIC RENEWAL INSPECTION</b>		<b>1</b>
11/09/2009	11/20/2009	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>BI EP - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>
02/08/2010	02/12/2010	IP 7111402	Alert and Notification System Testing	
02/08/2010	02/12/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
02/08/2010	02/12/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
02/08/2010	02/12/2010	IP 71151-EP01	Drill/Exercise Performance	

**Dresden**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

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		<b>BI EP - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>
02/08/2010	02/12/2010	IP 71151-EP02	ERO Drill Participation	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
02/08/2010	02/12/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
		<b>RENEWAL - POST LICENSE RENEWAL INSPECTION</b>		<b>1</b>
02/08/2010	02/12/2010	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>FY 2010 - DRESDEN INIT PREP FEB/2010</b>		<b>3</b>
02/15/2010	02/19/2010	W90218	OL - INITIAL EXAM - FEB 2010 - DRES	
		<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
03/01/2010	03/19/2010	IP 71152B	Identification and Resolution of Problems	
		<b>FY 2010 - DRESDEN INIT EXAM MARCH/2010</b>		<b>2</b>
03/08/2010	03/19/2010	W90218	OL - INITIAL EXAM - FEB 2010 - DRES	
		<b>BI ENG - COMPONENT DESIGN BASIS INSPECTION</b>		<b>6</b>
04/05/2010	05/14/2010	IP 7111121	Component Design Bases Inspection	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
05/03/2010	05/07/2010	IP 7112101	Access Control to Radiologically Significant Areas	
05/03/2010	05/07/2010	IP 7112102	ALARA Planning and Controls	
05/03/2010	05/07/2010	IP 71151-BI01	Reactor Coolant System Activity	
		<b>BI OL - LIC. OPERATOR REQUAL. PROGRAM EVALUATION</b>		<b>2</b>
05/24/2010	05/28/2010	IP 7111111B	Licensed Operator Requalification Program	

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Mark A. Ring, Chief  
Branch 1  
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DRPIII

DRSIII

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[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov)