

March 3, 2008

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

SUBJECT: ANNUAL ASSESSMENT LETTER - DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (05000237/2008001; 05000249/2008001)

Dear Mr. Pardee:

On February 13, 2008, 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, 2007. 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 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.

While plant performance for Unit 2 for the most recent quarter is within the Licensee Response column of the Action Matrix, there was a safety significant PI affecting the first two quarters of the assessment cycle. Specifically, the Scrams with Loss of Normal Heat Removal PI was White and Unit 2 was in the Regulatory Response column of the Action Matrix. On November 6, 2006, we were notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the White Scrams with Loss of Normal Heat Removal PI. We completed supplemental inspection procedure 95001 on February 22, 2007. Based on the results of this inspection, no findings of significance were identified. 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, 2009. 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: triennial fire protection, biennial PI&R inspection, biennial licensed operator requalification program, and engineering modifications/50.59 inspection. 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 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 Mark Ring at 630-829-9703 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Cynthia D. Pederson, Director  
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 C. Pederson dated March 3, 2008

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UNITS 2 AND 3 (05000237/2008001; 05000249/2008001)

cc w/encl: Site Vice President - Dresden Nuclear Power Station  
Plant Manager - Dresden Nuclear Power Station  
Regulatory Assurance Manager - Dresden Nuclear Power Station  
Chief Operating Officer and Senior Vice President  
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  
Illinois Emergency Management Agency  
J. Klinger, State Liaison Officer  
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  
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RAG1

CXG1

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RidsNrrDirslpab

JLC1

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JKH3

RML2

SRI Dresden

DRPIII

DRSIII

PLB1

TXN

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov) (inspection reports, final SDP letters, any letter with an IR number)

**Dresden**  
**Inspection / Activity Plan**  
**03/01/2008 - 06/30/2009**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>			
IP 71152B	Identification and Resolution of Problems		03/10/2008	03/28/2008	Baseline Inspections
<b>OL EXAM - DRESDEN INITIAL LICENSE EXAM (2008)</b>		<b>3</b>			
W90182	OL - INITIAL EXAM - FEB/MAR 2008 - DRES		03/03/2008	03/14/2008	Not Applicable
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		05/05/2008	05/09/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		05/05/2008	05/09/2008	Baseline Inspections
<b>BI OL - BIENNIAL REQUAL. PROGRAM INSPECTION</b>		<b>2</b>			
IP 7111111B	Licensed Operator Requalification Program		05/19/2008	05/23/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		08/04/2008	08/08/2008	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		08/04/2008	08/08/2008	Baseline Inspections
<b>2515/171 - TI 2515/171 B5B PHASE 2 AND 3</b>		<b>2</b>			
IP 2515/171	VERIFICATION OF SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 & 3 MITIGATING STRATEGIES		10/20/2008	10/24/2008	Generic Safety Inspectio
<b>BI ENG - ENGINEERING INSERVICE INSPECTION</b>		<b>1</b>			
IP 7111108G	Inservice Inspection Activities - BWR		11/03/2008	11/21/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		11/10/2008	11/14/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		11/10/2008	11/14/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		11/10/2008	11/14/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112202	Radioactive Material Processing and Transportation		02/09/2009	02/13/2009	Baseline Inspections
<b>OL EXAM - OPERATOR LICENSING EXAM</b>		<b>3</b>			
W90182	OL - INITIAL EXAM - FEB/MAR 2008 - DRES		02/16/2009	02/20/2009	Not Applicable
W90196	OL - INITIAL EXAM - MARCH 2009 - DRES		03/09/2009	03/20/2009	Not Applicable
<b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>1</b>			
IP 7111401	Exercise Evaluation		03/23/2009	03/27/2009	EP Baseline Inspection
IP 71151-EP01	Drill/Exercise Performance		03/23/2009	03/27/2009	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		03/23/2009	03/27/2009	Baseline Inspections
IP 71151-EP03	Alert & Notification System		03/23/2009	03/27/2009	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		04/27/2009	05/01/2009	Baseline Inspections
IP 7112202	Radioactive Material Processing and Transportation		04/27/2009	05/01/2009	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		04/27/2009	05/01/2009	Baseline Inspections

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BI ENG IP 7111117B	- ENGINEERING MODIFICATIONS / 50.59 INSP. Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications	3	05/04/2009	05/22/2009	Baseline Inspections