



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 2, 2008

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

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
DRESDEN NUCLEAR POWER STATION**

Dear Mr. Pardee:

On August 14, 2008, the NRC staff completed its performance review of the Dresden Nuclear Power Station for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. 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 both Dresden Units 2 and 3 during the assessment period 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 of Units 2 and 3.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 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. Additional inspections scheduled include: engineering modifications/50.59, license renewal, independent spent fuel storage installation, and initial license examination. 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 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), 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 the 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  
Projects 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 September 2, 2008

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
DRESDEN NUCLEAR POWER STATION

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  
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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

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See next page

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Letter to C. Pardee from M. Ring dated September 2, 2008

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DRESDEN NUCLEAR POWER STATION

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Tamara Bloomer

RidsNrrDorlLpl3-2

RidsNrrPMDresden Resource

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**Dresden**  
**Inspection / Activity Plan**  
**09/01/2008 - 12/31/2009**

| Inspection Activity | Title   | No. of Staff<br>on Site | Planned Dates<br>Start | End        | Inspection<br>Type       |
|---------------------|---|-------------------------|------------------------|------------|--------------------------|
| <b>TI</b>           | <b>- TEMPORARY INSTRUCTION 2515/171</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</b>       | <b>- ENGINEERING INSERVICE INSPECTION</b>   | <b>1</b>                |                        |            |                          |
| IP 7111108G         | Inservice Inspection Activities - BWR   |                         | 11/03/2008             | 11/21/2008 | Baseline Inspections     |
| <b>BI RP</b>        | <b>- 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</b>        | <b>- RADIATION PROTECTION BASELINE INSPECTION</b>   | <b>1</b>                |                        |            |                          |
| IP 7112202          | Radioactive Material Processing and Transportation  |                         | 02/09/2009             | 02/13/2009 | Baseline Inspections     |
| <b>FY 2009</b>      | <b>- DRESDEN INIT PREP FEB/2009</b>   | <b>3</b>                |                        |            |                          |
| W90196              | OL - INITIAL EXAM - MARCH 2009 - DRES   |                         | 02/16/2009             | 02/20/2009 | Not Applicable           |
| <b>ISFSI</b>        | <b>- ISFSI - ROUTINE LOADING</b>  | <b>1</b>                |                        |            |                          |
| IP 60855.1          | Operation of an Independent Spent Fuel Storage Installation at Operating Plants           |                         | 03/01/2009             | 06/30/2009 | Other Routine            |
| <b>BI EP</b>        | <b>- 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>OL EXAM</b>      | <b>- DRESDEN INITIAL LICENSE EXAMINATION</b>  | <b>3</b>                |                        |            |                          |
| W90196              | OL - INITIAL EXAM - MARCH 2009 - DRES   |                         | 03/09/2009             | 03/20/2009 | Not Applicable           |
| <b>BI RP</b>        | <b>- 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 7112201          | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems                  |                         | 04/27/2009             | 05/01/2009 | Baseline Inspections     |
| IP 71151-BI01       | Reactor Coolant System Activity   |                         | 04/27/2009             | 05/01/2009 | Baseline Inspections     |
| <b>BI ENG</b>       | <b>- ENGINEERING MODIFICATIONS / 50.59 INSP.</b>  | <b>3</b>                |                        |            |                          |
| IP 7111117B         | Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications             |                         | 05/18/2009             | 06/05/2009 | Baseline Inspections     |
| <b>BI RP</b>        | <b>- RADIATION PROTECTION BASELINE INSPECTION</b>   | <b>1</b>                |                        |            |                          |
| IP 2515/173         | Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative |                         | 08/04/2009             | 08/14/2009 | Generic Safety Inspectio |
| IP 7112201          | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems                  |                         | 08/04/2009             | 08/14/2009 | Baseline Inspections     |
| IP 71151-PR01       | RETS/ODCM Radiological Effluent   |                         | 08/04/2009             | 08/14/2009 | Baseline Inspections     |
| <b>RENEWAL</b>      | <b>- POST-LICENSE RENEWAL INSPECTION</b>  | <b>5</b>                |                        |            |                          |
| IP 71003            | Post-Approval Site Inspection for License Renewal   |                         | 10/05/2009             | 10/23/2009 | License Renewal Insper   |
| <b>BI ENG</b>       | <b>- ENGINEERING INSERVICE INSPECTION</b>   | <b>1</b>                |                        |            |                          |
| IP 7111108G         | Inservice Inspection Activities - BWR   |                         | 11/09/2009             | 11/13/2009 | Baseline Inspections     |

**Dresden**  
**Inspection / Activity Plan**  
**09/01/2008 - 12/31/2009**

| Inspection Activity                                     | Title  | No. of Staff<br>on Site | Planned Dates<br>Start      End |            | Inspection<br>Type    |
|---|--|-------------------------|---------------------------------|------------|-----------------------|
| <b>RENEWAL - POST LIC RENEWAL INSPECTION</b>            |  | <b>2</b>                |                                 |            |                       |
| IP 71003  | Post-Approval Site Inspection for License Renewal  |                         | 11/09/2009                      | 11/20/2009 | License Renewal Inspe |
| <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |  | <b>1</b>                |                                 |            |                       |
| IP 7112101  | Access Control to Radiologically Significant Areas |                         | 11/16/2009                      | 11/20/2009 | Baseline Inspections  |
| IP 7112102  | ALARA Planning and Controls                        |                         | 11/16/2009                      | 11/20/2009 | Baseline Inspections  |
| IP 71151-OR01   | Occupational Exposure Control Effectiveness        |                         | 11/16/2009                      | 11/20/2009 | Baseline Inspections  |