



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2014

Mr. Michael J. Pacilio  
Senior Vice President, Exelon Generation Co., LLC  
President and Chief Nuclear Officer, Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (REPORT 05000237/2013001; 05000249/2013001)**

Dear Mr. Pacilio:

On February 12, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Dresden Nuclear Power Station, Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2013 through December 31, 2013. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Dresden Nuclear Power Station, Units 2 and 3, during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one White finding associated with a deficiency in your external flood response procedure in addressing makeup to the reactor vessel during a potential flooding event. The finding was identified in the first quarter of 2013 and was applicable to both Units 2 and 3, in the Mitigating Systems Cornerstone. Additionally, the NRC advised you the finding would remain open until you notified us that were ready for the NRC to conduct a supplemental inspection using Inspection Procedure 95001, "Inspection for One or Two White Inputs in Strategic Performance Area," and the inspection was successfully completed. This inspection procedure is conducted to provide assurance that the root cause and contributing causes of risk significant performance issues are understood, the extent of condition and the extent of cause are identified, and the corrective actions are sufficient to prevent recurrence.

On November 25, 2013, your staff notified the NRC of your readiness for a supplemental inspection, using Inspection Procedure 95001, to review the actions taken to address the performance issues associated with deficiency in the flood response procedure. On December 20, 2013, the NRC completed the supplemental inspection using NRC Inspection Procedure 95001 and in NRC Inspection Report 05000237/2013010; 05000249/2013010 (ADAMS Ascension Number ML14023A004), dated January 22, 2014, documented that completed or planned corrective actions were sufficient to address the performance that led to the White finding. Therefore, you were advised that the performance issue would not be considered as an Action Matrix input after the end of the fourth quarter of 2013. As a result, the NRC determined the performance at Dresden Nuclear Power Station, Units 2 and 3, to be in the Licensee Response Column of the ROP Action Matrix as of January 1, 2014.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

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 System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Mr. Jamnes Cameron, at 630-829-9833, with any questions you have regarding this letter.

Sincerely,

*/RA/*

Anne T. Boland, Director  
Division of Reactor Projects

Docket Nos. 50-237; 50-249  
License Nos. DPR-19; DPR25

Enclosure:  
Dresden Nuclear Power Station  
Inspection/Activity Plan

cc w/encl: Distribution via ListServ™

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

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 System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Mr. Jamnes Cameron, at 630-829-9833, with any questions you have regarding this letter.

Sincerely,  
*/RA/*

Anne T. Boland, Director  
Division of Reactor Projects

Docket Nos. 50-237; 50-249  
License Nos. DPR-19; DPR25

Enclosure:  
Dresden Nuclear Power Station  
Inspection/Activity Plan

cc w/encl: Distribution via ListServ™

DISTRIBUTION w/encl:  
See next page

DOCUMENT NAME: Dresden Annual Assessment Letter  
 Publicly Available     Non-Publicly Available     Sensitive     Non-Sensitive  
To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" =  
Copy with attach/encl "N" = No copy

OFFICE	RIII	RIII	RIII	RIII
NAME	BBartlett:mvt	JCameron		
DATE	02/24/14	02/24/14		

**OFFICIAL RECORD COPY**

Letter to Michael Pacilio from Anne Boland dated March 4, 2014

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (REPORT 05000237/201300; 05000249/2013001)

DISTRIBUTION w/encl:

Ernesto Quinones

RidsNrrDorLp13-2 Resource

RidsNrrPMDresden Resource

RidsNrrDirslrib Resource

Cynthia Pederson

Darrell Roberts

Steven Orth

Allan Barker

Carole Ariano

Linda Linn

DRPIII

DRSIII

Patricia Buckley

[ROAssessment.Resource@nrc.gov](mailto:ROAssessment.Resource@nrc.gov)

**Dresden**  
**Inspection / Activity Plan**  
**03/01/2014 - 06/30/2015**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI FP - FIRE PROTECTION INSPECTION AND BAG TRIP</b>		<b>6</b>
2, 3	04/14/2014	05/23/2014	IP 7111105T	Fire Protection [Triennial]	
			<b>PI&amp;R - B - BIENNIAL PI&amp;R</b>		<b>7</b>
2, 3	02/24/2014	03/15/2014	IP 71152B	Problem Identification and Resolution	
			<b>ISFSI - ISFISI INSPECTION</b>		<b>2</b>
2	02/01/2014	05/31/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>STRIKE - CONTINUED IMPLEMENTATION OF STRIKE PLANS</b>		<b>2</b>
2, 3	03/01/2014	03/30/2014	IP 92711	Continued Implementation Of Strike Plans During An Extended Strike	
			<b>BI RP - RADIATION INSPECTION</b>		<b>1</b>
2	04/21/2014	04/25/2014	IP 71124.05	Radiation Monitoring Instrumentation	
2	04/21/2014	04/25/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
2, 3	05/12/2014	05/16/2014	IP 7111111B	Licensed Operator Requalification Program	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	06/16/2014	06/20/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	06/16/2014	06/20/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2	06/16/2014	06/20/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>2</b>
2	08/04/2014	08/08/2014	IP 7111402	Alert and Notification System Testing	
2	08/04/2014	08/08/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2	08/04/2014	08/08/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	08/04/2014	08/08/2014	IP 71151	Performance Indicator Verification	
			<b>BI ISI - INSERVICE INSPECTION UNIT 3</b>		<b>1</b>
2	10/27/2014	11/15/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI RP - RADIATION INSPECTION</b>		<b>1</b>
2	11/03/2014	11/07/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	11/03/2014	11/07/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>BI HS - TRIENNIAL HEAT SINK INSPECTION</b>		<b>3</b>
2, 3	12/01/2014	12/05/2014	IP 7111107T	Heat Sink Performance	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	01/26/2015	01/30/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>OL PREP - INIT EXAM/MARCH 2015</b>		<b>3</b>
2	03/02/2015	03/06/2015	W90328	OL - INITIAL EXAM - 2015 MAR-APR - DRESDEN	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Dresden**  
**Inspection / Activity Plan**  
**03/01/2014 - 06/30/2015**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>OL EXAM - INIT EXAM/MARCH 2015</b>					<b>3</b>
2	03/23/2015	04/03/2015	W90328	OL - INITIAL EXAM - 2015 MAR-APR - DRESDEN	
<b>BL EPX - EP EXECISE INSPECTION / PI VERIFICATION</b>					<b>2</b>
2,3	05/04/2015	05/08/2015	IP 7111401	Exercise Evaluation	
2,3	05/04/2015	05/08/2015	IP 7111408	Exercise Evaluation – Scenario Review	
2	05/04/2015	05/08/2015	IP 71151	Performance Indicator Verification	
<b>BI MODS - MODIFICATIONS / 50.59 INSPECTION</b>					<b>1</b>
2,3	05/11/2015	05/29/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>					<b>1</b>
2	05/18/2015	05/22/2015	IP 71124.07	Radiological Environmental Monitoring Program	
2	05/18/2015	05/22/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent	

This report does not include INPO and OUTAGE activities.  
 This report shows only on-site and announced inspection procedures.