



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2018

Mr. Bryan C. Hanson  
Senior VP, Exelon Generation Co., LLC  
President and CNO, Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (REPORT 05000237/2017006 AND 05000249/2017006)**

Dear Mr. Hanson:

The NRC has completed its end-of-cycle performance assessment of Dresden Nuclear Power Station, Units 2 and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Dresden Nuclear Power Station, Units 2 and 3, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility. Also, during this assessment year, the Dresden Nuclear Power Station, Unit 3, was in Column 2 due to a White finding. As stated in our assessment follow-up letter dated October 12, 2017 (ADAMS Accession Number ML17285B324), the unit returned to Column 1 on October 1, 2017, after a successful supplemental inspection.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

The enclosed inspection plan includes, among other inspections, a biennial problem identification and resolution team inspection in April 2018 conducted in accordance with inspection procedure (IP) 71152, "Problem Identification and Resolution." The plan also includes a July 2018 team inspection in accordance with Temporary Instruction 193, "Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions."

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

*/RA/*

Patrick L. Loudon, Director  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Patrick Loudon dated March 2, 2018

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR POWER STATION,  
UNITS 2 AND 3 (REPORT 05000237/2017006 AND 05000249/2017006)

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ADAMS Accession Number: ML18058B260

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DATE	2/21/2018	2/23/2018					

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# IP 22 Inspection Activity Plan Report

## Dresden

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>1Q Site Support for Dresden</b>						10
2	01/01/2018	05/15/2018	IP 71111.11Q	000705	Licensed Operator Requalification Program and Licensed Operator Performance - Quarterly	
2	01/01/2018	05/15/2018	IP 71114.06	000721	Drill Evaluation	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	02/26/2018	03/02/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	02/26/2018	03/02/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	02/26/2018	03/02/2018	IP 71124.04	000728	Occupational Dose Assessment	
2, 3	02/26/2018	03/02/2018	IP 71151	000746	Performance Indicator Verification	
<b>DBA TEAM INSPECTION</b>						6
2, 3	03/05/2018	03/23/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>SECURITY BASELINE INSPECTION</b>						1
2, 3	03/05/2018	03/09/2018	IP 71130.01	000733	Access Authorization	
2, 3	03/05/2018	03/09/2018	IP 71130.02	000734	Access Control	
2, 3	03/05/2018	03/09/2018	IP 71151	001338	Performance Indicator Verification	
<b>BIENNIAL PI&amp;R TEAM INSPECTION</b>						4
2, 3	04/09/2018	04/27/2018	IP 71152B	000747	Problem Identification and Resolution	
<b>DRESDEN RQI</b>						2
2, 3	05/14/2018	05/18/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>SECURITY BASELINE INSPECTION</b>						2
2, 3	05/14/2018	05/18/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2, 3	05/14/2018	05/18/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>RELIABLE HARDENED CONTAINMENT VENTS TI-193</b>						4
2, 3	07/23/2018	07/27/2018	TI 2515/193	000511	Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions	

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## Dresden

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP Baseline</b>						1
2, 3	07/30/2018	08/03/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>INSERVICE INSPECTION UNIT 3</b>						1
3	10/29/2018	11/04/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						2
2, 3	11/05/2018	11/09/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	11/05/2018	11/09/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	11/05/2018	11/09/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	11/05/2018	11/09/2018	IP 71124.04	000728	Occupational Dose Assessment	
2, 3	11/05/2018	11/09/2018	IP 71151	000746	Performance Indicator Verification	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	01/28/2019	02/01/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2, 3	01/28/2019	02/01/2019	IP 71151	000746	Performance Indicator Verification	
<b>PHASE 4</b>						2
2, 3	02/25/2019	03/01/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>2019 Dresden Exam</b>						3
2, 3	03/10/2019	03/15/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	04/07/2019	04/19/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>ISFSI Cask Loading Inspection</b>						2
2, 3	03/11/2019	03/15/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						8
2, 3	04/01/2019	04/05/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2, 3	04/22/2019	04/26/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	04/29/2019	05/03/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
2, 3	04/29/2019	05/03/2019	IP 71151	000746	Performance Indicator Verification	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	07/15/2019	07/19/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	

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

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## Dresden

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	07/15/2019	07/19/2019	IP 71151	000746	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						1
2, 3	07/15/2019	07/19/2019	IP 71130.02	000734	Access Control	
2, 3	07/15/2019	07/19/2019	IP 71130.06	000738	Protection of Safeguards Information	
<b>EP EXERCISE INSPECTION / PI VERIFICATION</b>						2
2	07/29/2019	08/02/2019	IP 71114.01	000716	Exercise Evaluation	
2	07/29/2019	08/02/2019	IP 71114.06	000721	Drill Evaluation	
2	07/29/2019	08/02/2019	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						1
2, 3	10/21/2019	10/25/2019	IP 71130.07	000739	Security Training	
2, 3	10/21/2019	10/25/2019	IP 71151	001338	Performance Indicator Verification	
<b>INSERVICE INSPECTION UNIT 2</b>						1
2	10/27/2019	11/13/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	10/28/2019	11/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2, 3	11/18/2019	11/22/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	