



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

February 28, 2024

David Rhoades  
Senior Vice President  
Constellation Energy Generation, LLC  
President and Chief Nuclear Officer (CNO)  
Constellation Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR STATION,  
UNITS 2 AND 3 (REPORT 05000237/2023006; 05000249/2023006)

Dear David Rhoades:

The NRC has completed its end-of-cycle performance assessment of Dresden Nuclear Station, Units 2 and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2023, through December 31, 2023. 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 baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at Dresden Nuclear 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2025. 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter 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). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 630-829-9732 with any questions you have regarding this letter.

Sincerely,



Signed by Ruiz, Robert  
on 02/28/24

Robert Ruiz, Chief  
Reactor Projects Branch 1  
Division of Operating Reactor Safety

Docket Nos.05000237 and 05000249  
License Nos. DPR-19 and DPR-25

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to David Rhoades from Robert Ruiz dated February 28, 2024.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DRESDEN NUCLEAR STATION,  
UNITS 2 AND 3 (REPORT 05000237/2023006; 05000249/2023006)

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# Site Inspection Activity Plan

## 07200037 - Dresden (ISFSI)

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Cask Loading Inspection						2
	3/17/2025	3/21/2025	IP 60855	001001	Operation Of An ISFSI	

# Site Inspection Activity Plan

## Dresden

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Contingency Plans for Licensee Strikes or Lockouts</b>						4
2,3	1/1/2024	2/29/2024	IP 92709	000907	Licensee Strike Contingency Plans	
2,3	1/1/2024	2/29/2024	IP 92711	000908	Continued Implementation of Strike Plans During An Extended Strike	
2,3	1/1/2024	2/29/2024	IP 92712	000909	Resumption of Normal Operations After A Strike	
<b>Corporate Security Baseline Inspection</b>						3
2,3	1/22/2024	1/26/2024	IP 71130.01	000733	Access Authorization	
<b>Security Baseline Inspection</b>						1
2,3	2/12/2024	2/16/2024	IP 71130.01	000733	Access Authorization	
2,3	2/12/2024	2/16/2024	IP 71130.02	000734	Access Control	
2,3	2/12/2024	2/16/2024	IP 71130.09	001656	Security Plan Changes	
2,3	2/12/2024	2/16/2024	IP 71151	001338	Performance Indicator Verification	
2,3	3/4/2024	3/8/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
<b>Emergency Preparedness Baseline Inspection / Performance Indicator Verification</b>						1
2,3	3/25/2024	3/29/2024	IP 71114.02	000717	Alert and Notification System Testing	
2,3	3/25/2024	3/29/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2,3	3/25/2024	3/29/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2,3	3/25/2024	3/29/2024	IP 71151	001397	Performance Indicator Verification	
<b>Dresden May 2024 Initial License Exam</b>						3
2,3	4/7/2024	4/13/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2,3	5/12/2024	5/18/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Functional Engineering Inspection - Aging of Structures, Systems, and Components</b>						3
2,3	6/10/2024	6/28/2024	IP 71111.21N.04	001832	Age-Related Degradation	
<b>Radiation Protection Baseline Inspection</b>						2
2,3	7/29/2024	8/2/2024	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2,3	7/29/2024	8/2/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
<b>Inservice Inspection Unit 3</b>						1
3	10/28/2024	11/8/2024	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>Eplan and EAL Changes Review</b>						1
2,3	11/1/2024	12/31/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
<b>Radiation Protection Baseline Inspection</b>						1
2,3	11/4/2024	11/8/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2,3	11/4/2024	11/8/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2,3	11/4/2024	11/8/2024	IP 71124.04	000728	Occupational Dose Assessment	

# Site Inspection Activity Plan

<b>Security Baseline Inspection</b>						1
2,3	11/18/2024	11/22/2024	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>Material Control and Accountability</b>						2
2,3	1/1/2025	12/31/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>Cyber Security Inspection</b>						3
2,3	1/27/2025	1/31/2025	IP 71130.10	000741	Cybersecurity	
<b>Biennial Problem Identification and Resolution Inspection</b>						4
2,3	3/3/2025	3/21/2025	IP 71152B	000747	Problem Identification and Resolution	
<b>Dresden April 2025 Initial License Examination</b>						3
2,3	3/9/2025	3/13/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2,3	4/13/2025	4/19/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
2,3	4/20/2025	4/26/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Emergency Preparedness Exercise Inspection / Performance Indicator Verification</b>						5
2,3	4/7/2025	4/11/2025	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event	
2,3	4/7/2025	4/11/2025	IP 71151	001397	Performance Indicator Verification	
<b>Force-On-Force Planning and Exercise Weeks - DRE</b>						5
2,3	4/7/2025	4/11/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2,3	4/28/2025	5/2/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>Functional Engineering Inspection - Fire Protection</b>						3
2,3	4/14/2025	5/2/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>Radiation Protection Baseline Inspection</b>						1
2,3	5/5/2025	5/9/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
2,3	5/5/2025	5/9/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
<b>Dresden 2025 Biennial Requalification Program Inspection</b>						2
2,3	5/18/2025	5/24/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>Security Baseline Inspection</b>						1
2,3	8/18/2025	8/22/2025	IP 71130.02	000734	Access Control	
2,3	8/18/2025	8/22/2025	IP 71151	001338	Performance Indicator Verification	
2,3	10/13/2025	10/17/2025	IP 71130.07	000739	Security Training	
2,3	10/13/2025	10/17/2025	IP 71130.09	001656	Security Plan Changes	
<b>Inservice Inspection Unit 2</b>						1
2	10/27/2025	11/7/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>Eplan and EAL Changes Review</b>						1
2,3	11/1/2025	12/31/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
<b>Radiation Protection Baseline Inspection</b>						1

# Site Inspection Activity Plan

2,3	11/3/2025	11/7/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
2,3	11/3/2025	11/7/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation
2,3	11/3/2025	11/7/2025	IP 71124.04	000728	Occupational Dose Assessment