



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2056 WESTINGS AVENUE, SUITE 400
NAPERVILLE, IL 60563-2657

August 28, 2024

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

SUBJECT: UPDATED INSPECTION PLAN AND ASSESSMENT FOLLOW-UP LETTER
FOR QUAD CITIES NUCLEAR POWER STATION (REPORT
05000254/2024005; 05000265/2024005)

Dear David P. Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for the Quad Cities Nuclear Power Station. 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.

Between November 3 and 21, 2025, and May 18 to June 5, 2026, the NRC will be performing Functional Engineering Inspections in the areas of Fire Protection and Commercial Grade Dedication, respectively, at your facility.

In the 2023 Annual Assessment Letter for Quad Cities Nuclear Power Station ([ML24059A007](#)), the NRC identified a cross-cutting theme in the Human Performance area, associated with the aspect of conservative bias (H.14). Although the licensee initiated a casual analysis to address this trend, during the consecutive six-month assessment period from June 2023 until July 2024, seven additional findings were identified associated with this same aspect, indicating that this cross-cutting theme continues to exist. Therefore, the agency plans to continue to take actions prescribed in IMC 0305 to monitor the licensee's efforts to address the issue.

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 08/28/24

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

Docket Nos. 05000254; 05000265;
and 07200053
License Nos. DPR-29 and DPR-30

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

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

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Site Inspection Activity Plan

07200053 - Quad Cities (ISFSI)

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Cask Loading Inspection						2
	7/8/2024	7/12/2024	IP 60855	001001	Operation Of An ISFSI	
ISFSI Security Inspection						1
	9/22/2025	9/26/2025	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	

Site Inspection Activity Plan

Quad Cities

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Triennial Material Control and Accountability Inspection						2
1,2	7/22/2024	7/30/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Functional Engineering Inspection - Aging of Structures, Systems, and Components						3
1,2	8/5/2024	8/23/2024	IP 71111.21N.04	001832	Age-Related Degradation	
Biennial Problem Identification and Resolution Inspection						4
1,2	9/9/2024	9/27/2024	IP 71152B	000747	Problem Identification and Resolution	
Force-on-Force Planning and Exercises - QUAD						5
1,2	10/7/2024	10/11/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	10/28/2024	11/1/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
Eplan and EAL Changes Review						1
1,2	11/1/2024	12/31/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
Inservice Inspection Unit 1						1
1	3/10/2025	3/21/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Radiation Protection Baseline Inspection						1
1,2	3/17/2025	3/21/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	3/17/2025	3/21/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	3/17/2025	3/21/2025	IP 71124.04	000728	Occupational Dose Assessment	
Security Baseline Inspection						2
1,2	4/28/2025	5/2/2025	IP 71130.02	000734	Access Control	
1,2	4/28/2025	5/2/2025	IP 71130.05	000737	Protective Strategy Evaluation	
Radiation Protection Baseline Inspection						2
1,2	6/23/2025	6/27/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1,2	6/23/2025	6/27/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Cyber Security Inspection						3
1,2	8/25/2025	8/29/2025	IP 71130.10	000741	Cybersecurity	
Emergency Preparedness Program Inspection / Performance Indicator Review						1
1,2	9/29/2025	10/3/2025	IP 71114.02	000717	Alert and Notification System Testing	
1,2	9/29/2025	10/3/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	9/29/2025	10/3/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	9/29/2025	10/3/2025	IP 71151	001397	Performance Indicator Verification	
Security Baseline Inspection						1
1,2	9/22/2025	9/26/2025	IP 71130.09	001656	Security Plan Changes	

Site Inspection Activity Plan

1,2	9/22/2025	9/26/2025	IP 71151	001338	Performance Indicator Verification	
1,2	10/13/2025	10/17/2025	IP 71130.07	000739	Security Training	
Eplan and EAL Changes Review						1
1,2	11/1/2025	12/31/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
Functional Engineering Inspection - Fire Protection						3
1,2	11/3/2025	11/21/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Biennial Licensed Operator Requalification Inspection						2
1	11/17/2025	11/21/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Quad Cities December 2025 Initial License Examination						3
1,2	10/26/2025	11/1/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1,2	12/7/2025	12/13/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
Corporate Security Baseline Inspection						1
1,2	1/19/2026	1/23/2026	IP 71130.08	000740	Fitness-For-Duty Program	
Emergency Preparedness Exercise Inspection / Performance Indicator Verification						4
1,2	2/23/2026	2/27/2026	IP 71114.01	000716	Exercise Evaluation	
1,2	2/23/2026	2/27/2026	IP 71151	001397	Performance Indicator Verification	
Security Baseline Inspection						1
1,2	3/16/2026	3/20/2026	IP 71130.02	000734	Access Control	
1,2	3/16/2026	3/20/2026	IP 71130.08	000740	Fitness-For-Duty Program	
1,2	3/16/2026	3/20/2026	IP 71130.09	001656	Security Plan Changes	
1,2	3/16/2026	3/20/2026	IP 71151	001338	Performance Indicator Verification	
Inservice Inspection - Unit 2						1
2	3/23/2026	4/3/2026	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Radiation Protection Baseline Inspection						1
1,2	3/30/2026	4/3/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	3/30/2026	4/3/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	3/30/2026	4/3/2026	IP 71124.04	000728	Occupational Dose Assessment	
Baseline Security Inspection						2
1,2	4/20/2026	4/24/2026	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
Security Baseline Inspection						1
1,2	4/20/2026	4/24/2026	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
Radiation Protection Baseline Inspection						1
1,2	5/11/2026	5/15/2026	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Functional Engineering Inspection - Commercial Grade Dedication						3
1,2	5/18/2026	6/5/2026	IP 71111.21N.03	001808	Commercial Grade Dedication	