



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

August 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: UPDATED INSPECTION PLAN AND ASSESSMENT FOLLOW-UP LETTER
FOR CLINTON POWER STATION (REPORT 05000461/2024005)

Dear David P. Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for the Clinton 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.

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 Web site 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 No. 05000461
License No. NPF-62

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

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

SUBJECT: UPDATED INSPECTION PLAN AND ASSESSMENT FOLLOW-UP LETTER FOR CLINTON POWER STATION (REPORT 05000461/2024005)

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|--|------------|---|--|---|--|
| <input checked="" type="checkbox"/> SUNSI Review | | <input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive | | <input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available | |
| OFFICE | RIII | RIII | | | |
| NAME | NShah:anm | RRuiz | | | |
| DATE | 08/28/2024 | 08/28/2024 | | | |

Site Inspection Activity Plan

07201046 - Clinton Power Station (ISFSI)

07/01/2024 - 06/30/2026

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--|-----------|-----------|----------|--------|-----------------------|-------------|
| ISFSI Program Review Inspection | | | | | | 2 |
| | 3/10/2025 | 3/14/2025 | IP 60855 | 001001 | Operation Of An ISFSI | |

Site Inspection Activity Plan

Clinton

07/01/2024 - 06/30/2026

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|---|-----------|------------|--------------|--------|---|-------------|
| Security Baseline Inspection | | | | | | 3 |
| 1 | 7/22/2024 | 7/26/2024 | IP 71130.02 | 000734 | Access Control | |
| 1 | 7/22/2024 | 7/26/2024 | IP 71130.05 | 000737 | Protective Strategy Evaluation | |
| Security Baseline Inspection | | | | | | 2 |
| 1 | 7/22/2024 | 7/26/2024 | IP 71130.09 | 001656 | Security Plan Changes | |
| Radiation Protection Baseline Inspection | | | | | | 2 |
| 1 | 8/26/2024 | 8/30/2024 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation | |
| 1 | 8/26/2024 | 8/30/2024 | IP 71124.06 | 000730 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 1 | 8/26/2024 | 8/30/2024 | IP 71151 | 000746 | Performance Indicator Verification | |
| Clinton 2024 Licensed Operator Biennial Requalification Program Inspection | | | | | | 2 |
| 1 | 9/15/2024 | 9/21/2024 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance | |
| Eplan and EAL Changes Review | | | | | | 1 |
| 1 | 11/1/2024 | 12/31/2024 | IP 71114.04 | 000719 | Emergency Action Level and Emergency Plan Changes | |
| Material Control and Accountability | | | | | | 2 |
| 1 | 1/1/2025 | 12/31/2025 | IP 71130.11 | 000742 | Material Control and Accounting (MC&A) | |
| Comprehensive Engineering Team Inspection | | | | | | 7 |
| 1 | 1/27/2025 | 2/14/2025 | IP 71111.21M | 000713 | Comprehensive Engineering Team Inspection | |
| Clinton January 2025 NRC Developed Initial License Exam | | | | | | 4 |
| 1 | 2/16/2025 | 2/22/2025 | OV | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV) | |
| 1 | 6/1/2025 | 6/7/2025 | OV | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV) | |
| 1 | 7/13/2025 | 7/19/2025 | EXAD | 000500 | FB-OR-Initial License Exam Administration (EXAD) | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 2/10/2025 | 2/14/2025 | IP 71130.14 | 000743 | Review of Power Reactor Target Sets | |
| 1 | 2/24/2025 | 2/28/2025 | IP 71130.02 | 000734 | Access Control | |
| 1 | 2/24/2025 | 2/28/2025 | IP 71151 | 001338 | Performance Indicator Verification | |
| Cyber Security Inspection | | | | | | 3 |
| 1 | 4/7/2025 | 4/11/2025 | IP 71130.10 | 000741 | Cybersecurity | |
| Radiation Protection Baseline Inspection | | | | | | 2 |
| 1 | 6/2/2025 | 6/6/2025 | IP 71124.07 | 000731 | Radiological Environmental Monitoring Program | |
| 1 | 6/2/2025 | 6/6/2025 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation | |
| Clinton License Renewal IP 71002 | | | | | | 5 |
| 1 | 6/9/2025 | 6/27/2025 | IP 71002 | 000686 | License Renewal Inspection | |

Site Inspection Activity Plan

| | | | | | | |
|--|-----------|------------|-----------------|--------|--|---|
| Emergency Preparedness Exercise Inspection / Performance Indicator Review | | | | | | 4 |
| 1 | 7/21/2025 | 7/25/2025 | IP 71114.01 | 000716 | Exercise Evaluation | |
| 1 | 7/21/2025 | 7/25/2025 | IP 71151 | 001397 | Performance Indicator Verification | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 8/25/2025 | 8/29/2025 | IP 71130.07 | 000739 | Security Training | |
| 1 | 8/25/2025 | 8/29/2025 | IP 71130.09 | 001656 | Security Plan Changes | |
| License Renewal Phase 1 | | | | | | 1 |
| 1 | 9/8/2025 | 9/19/2025 | IP 71003 | 000687 | Post-Approval Site Inspection for License Renewal | |
| Inservice Inspection Unit 1 | | | | | | 1 |
| 1 | 9/8/2025 | 9/19/2025 | IP 71111.08G | 000701 | Inservice Inspection Activities (BWR) | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 9/15/2025 | 9/19/2025 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 9/15/2025 | 9/19/2025 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 9/15/2025 | 9/19/2025 | IP 71124.04 | 000728 | Occupational Dose Assessment | |
| Eplan and EAL Changes Review | | | | | | 1 |
| 1 | 11/1/2025 | 12/31/2025 | IP 71114.04 | 000719 | Emergency Action Level and Emergency Plan Changes | |
| Corporate Security Baseline Inspection | | | | | | 1 |
| 1 | 1/19/2026 | 1/23/2026 | IP 71130.08 | 000740 | Fitness-For-Duty Program | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 2/2/2026 | 2/6/2026 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation | |
| Functional Engineering Inspection - Age Related Degradation | | | | | | 3 |
| 1 | 3/2/2026 | 3/20/2026 | IP 71111.21N.04 | 001832 | Age-Related Degradation | |
| Emergency Preparedness Baseline Inspection / Performance Indicator Verification | | | | | | 1 |
| 1 | 3/30/2026 | 4/3/2026 | IP 71114.02 | 000717 | Alert and Notification System Testing | |
| 1 | 3/30/2026 | 4/3/2026 | IP 71114.03 | 000718 | Emergency Response Organization Staffing and Augmentation System | |
| 1 | 3/30/2026 | 4/3/2026 | IP 71114.05 | 000720 | Maintenance of Emergency Preparedness | |
| 1 | 3/30/2026 | 4/3/2026 | IP 71151 | 001397 | Performance Indicator Verification | |
| Clinton 2026 biennial PIR | | | | | | 4 |
| 1 | 4/6/2026 | 4/24/2026 | IP 71152B | 000747 | Problem Identification and Resolution | |
| Force-on-Force Planning and Exercise Weeks - CLI | | | | | | 4 |
| 1 | 6/22/2026 | 6/26/2026 | IP 71130.03 | 000735 | Contingency Response - Force-On-Force Testing | |