



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
475 ALLENDALE ROAD, SUITE 102
KING OF PRUSSIA, PA 19406-1415

August 29, 2024

Charles McFeaters
President and Chief Nuclear Officer
PSEG Nuclear, LLC
P.O. Box 236
Hancocks Bridge, NJ 08038

**SUBJECT: UPDATED INSPECTION PLAN FOR SALEM NUCLEAR GENERATING
STATION, UNITS 1 AND 2 (REPORT 05000272/2024005 AND
05000311/2024005)**

Dear Charles McFeaters:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for Salem Nuclear Generating Station, Units 1 and 2. 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 addition to baseline inspections, the NRC plans to conduct Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," Phase 4 at your facility.

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 Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at (610) 337-5312 with any questions you have regarding this letter.

Sincerely,

Brice A. Bickett, Chief
Projects Branch 3
Division of Operating Reactor Safety

Docket Nos. 05000272 and 05000311
License Nos. DPR-70 and DPR-75

Enclosure:
As stated

cc w/encl: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR SALEM NUCLEAR GENERATING STATION, UNITS 1 AND 2 (REPORTS 05000272/2024005 AND 05000311/2024005) DATED AUGUST 29, 2024

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DOCUMENT NAME: https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-25 Second Quarter Process/Branch 3/2QAL_SL_ROP25.docx
 ADAMS Accession No. ML24240A202

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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 | RI/DORS | RI/DORS | | | |
| NAME | RClagg | BBickett | | | |
| DATE | 8/26/24 | 8/27/24 | | | |

OFFICIAL RECORD COPY

Site Inspection Activity Plan

Salem

07/01/2024 - 06/30/2026

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|---|------------|------------|--------------|--------|---|-------------|
| RP - 71124.03 Airborne and 71124.04 Dose - Salem | | | | | | 1 |
| 1,2 | 7/22/2024 | 7/26/2024 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1,2 | 7/22/2024 | 7/26/2024 | IP 71124.04 | 000728 | Occupational Dose Assessment | |
| Cyber Security - Salem | | | | | | 4 |
| 1,2 | 8/5/2024 | 8/9/2024 | IP 71130.10 | 000741 | Cybersecurity | |
| 1,2 | 8/19/2024 | 8/23/2024 | IP 71130.10 | 000741 | Cybersecurity | |
| Access Control, Equipment Testing and Maintenance, Training, SPR | | | | | | 3 |
| 1,2 | 8/26/2024 | 8/30/2024 | IP 71130.02 | 000734 | Access Control | |
| 1,2 | 8/26/2024 | 8/30/2024 | IP 71130.04 | 000736 | Equipment Performance, Testing, and Maintenance | |
| 1,2 | 8/26/2024 | 8/30/2024 | IP 71130.07 | 000739 | Security Training | |
| 1,2 | 8/26/2024 | 8/30/2024 | IP 71130.09 | 001656 | Security Plan Changes | |
| 1,2 | 8/26/2024 | 8/30/2024 | IP 71151 | 001338 | Performance Indicator Verification | |
| Inservice Inspection - Salem Unit 2 | | | | | | 1 |
| 2 | 10/7/2024 | 10/18/2024 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |
| RP 71124.01 Rad Hazard Control - Salem | | | | | | 1 |
| 1,2 | 10/14/2024 | 10/18/2024 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| 2025 Salem Initial License Examination | | | | | | 4 |
| 1,2 | 12/1/2024 | 12/6/2024 | OV | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV) | |
| 1,2 | 1/12/2025 | 1/24/2025 | EXAD | 000500 | FB-OR-Initial License Exam Administration (EXAD) | |
| RP 71151 PI Verification - Salem | | | | | | 1 |
| 1,2 | 12/9/2024 | 12/13/2024 | IP 71151 | 000746 | Performance Indicator Verification | |
| RP Radwaste 71124.08 SAL | | | | | | 1 |
| 1,2 | 2/3/2025 | 2/7/2025 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation | |
| EP Program Inspection - Salem | | | | | | 2 |
| 1,2 | 3/17/2025 | 3/21/2025 | IP 71114.02 | 000717 | Alert and Notification System Testing | |
| 1,2 | 3/17/2025 | 3/21/2025 | IP 71114.03 | 000718 | Emergency Response Organization Staffing and Augmentation System | |
| 1,2 | 3/17/2025 | 3/21/2025 | IP 71114.04 | 000719 | Emergency Action Level and Emergency Plan Changes | |
| 1,2 | 3/17/2025 | 3/21/2025 | IP 71114.05 | 000720 | Maintenance of Emergency Preparedness | |
| 1,2 | 3/17/2025 | 3/21/2025 | IP 71151 | 001397 | Performance Indicator Verification | |
| RP RETS 71124.06 SAL | | | | | | 1 |
| 1,2 | 3/31/2025 | 4/4/2025 | IP 71124.06 | 000730 | Radioactive Gaseous and Liquid Effluent Treatment | |
| Inservice Inspection - Salem Unit 1 | | | | | | 1 |

Site Inspection Activity Plan

| | | | | | | |
|--|------------|------------|-----------------|--------|---|---|
| 1 | 4/14/2025 | 4/25/2025 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |
| RP Rad Hazard 71124.01 SAL | | | | | | 1 |
| 1,2 | 4/21/2025 | 4/25/2025 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| Access Control, Protective Strategy, TSR, SPR, PIs - Salem | | | | | | 4 |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71130.02 | 000734 | Access Control | |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71130.05 | 000737 | Protective Strategy Evaluation | |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71130.09 | 001656 | Security Plan Changes | |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71130.14 | 000743 | Review of Power Reactor Target Sets | |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71151 | 001338 | Performance Indicator Verification | |
| PI&R BIENNIAL TEAM INSPECTION - SALEM | | | | | | 4 |
| 1,2 | 6/9/2025 | 6/13/2025 | IP 71152B | 000747 | Problem Identification and Resolution | |
| 1,2 | 6/23/2025 | 6/27/2025 | IP 71152B | 000747 | Problem Identification and Resolution | |
| RP REMP 71124.07 SAL | | | | | | 1 |
| 1,2 | 7/14/2025 | 7/18/2025 | IP 71124.07 | 000731 | Radiological Environmental Monitoring Program | |
| License Renewal Phase 4 - Salem Units 1 & 2 | | | | | | 4 |
| 1,2 | 8/11/2025 | 8/15/2025 | IP 71003 | 000687 | Post-Approval Site Inspection for License Renewal | |
| Salem Requal Inspection with P/F Results | | | | | | 2 |
| 1,2 | 9/15/2025 | 9/19/2025 | IP 71111.11A | 000703 | Licensed Operator Requalification Program and Licensed Operator Performance | |
| 1,2 | 9/15/2025 | 9/19/2025 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance | |
| RP Instrumentation 71124.05 SAL | | | | | | 1 |
| 1,2 | 11/10/2025 | 11/20/2025 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation | |
| Age Related Degradation Inspection - Salem | | | | | | 3 |
| 1,2 | 11/17/2025 | 11/21/2025 | IP 71111.21N.04 | 001832 | Age-Related Degradation | |
| 1,2 | 12/1/2025 | 12/5/2025 | IP 71111.21N.04 | 001832 | Age-Related Degradation | |
| RP PI Verification 71151 SAL | | | | | | 1 |
| 1,2 | 11/17/2025 | 11/21/2025 | IP 71151 | 000746 | Performance Indicator Verification | |
| Commercial Grade Dedication - Salem | | | | | | 3 |
| 1,2 | 1/12/2026 | 1/16/2026 | IP 71111.21N.03 | 001808 | Commercial Grade Dedication | |
| 1,2 | 1/26/2026 | 1/30/2026 | IP 71111.21N.03 | 001808 | Commercial Grade Dedication | |
| RP In Plant Airborne 71124.03 and Occupational Dose Assessment 71124.04 - Salem | | | | | | 1 |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71124.04 | 000728 | Occupational Dose Assessment | |
| Sec - Access Control, Equipment Testing and Maintenance, Training, SPR, PI Verification - Salem | | | | | | 3 |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71130.02 | 000734 | Access Control | |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71130.04 | 000736 | Equipment Performance, Testing, and Maintenance | |

Site Inspection Activity Plan

| | | | | | | |
|-----|----------|-----------|-------------|--------|------------------------------------|--|
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71130.07 | 000739 | Security Training | |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71130.09 | 001656 | Security Plan Changes | |
| 1,2 | 3/9/2026 | 3/13/2026 | IP 71151 | 001338 | Performance Indicator Verification | |

Inservice Inspection - Salem Unit 2 1

| | | | | | | |
|---|-----------|-----------|--------------|--------|---------------------------------------|--|
| 2 | 4/13/2026 | 4/24/2026 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |
|---|-----------|-----------|--------------|--------|---------------------------------------|--|

RP Rad Hazard Assessment and Exposure Control 71124.01 - Salem 1

| | | | | | | |
|---|-----------|-----------|-------------|--------|--|--|
| 2 | 4/13/2026 | 4/17/2026 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
|---|-----------|-----------|-------------|--------|--|--|

2026 Salem Initial Operator Licensing Exam 4

| | | | | | | |
|-----|-----------|-----------|----|--------|---|--|
| 1,2 | 5/11/2026 | 5/15/2026 | OV | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV) | |
|-----|-----------|-----------|----|--------|---|--|

EP Exercise Inspection - Salem 5

| | | | | | | |
|-----|-----------|-----------|-------------|--------|---|--|
| 1,2 | 5/18/2026 | 5/22/2026 | IP 71114.01 | 000716 | Exercise Evaluation | |
| 1,2 | 5/18/2026 | 5/22/2026 | IP 71114.04 | 000719 | Emergency Action Level and Emergency Plan Changes | |
| 1,2 | 5/18/2026 | 5/22/2026 | IP 71151 | 001397 | Performance Indicator Verification | |

Cyber Security - Salem 2

| | | | | | | |
|-----|-----------|-----------|-------------|--------|---------------|--|
| 1,2 | 6/8/2026 | 6/12/2026 | IP 71130.10 | 000741 | Cybersecurity | |
| 1,2 | 6/22/2026 | 6/26/2026 | IP 71130.10 | 000741 | Cybersecurity | |