



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE RD, STE 102
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 12, 2024

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

SUBJECT: HOPE CREEK GENERATING STATION AND SALEM NUCLEAR
GENERATING STATION, UNITS 1 AND 2 – EMERGENCY PREPAREDNESS
BIENNIAL EXERCISE INSPECTION REPORT 05000354/2024501,
05000272/2024501 AND 05000311/2024501

Dear Charles McFeaters:

On May 23, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Hope Creek Generating Station and Salem Nuclear Generating Station, Units 1 and 2 and discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) 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."

Sincerely,

Daniel L. Schroeder, Chief
Security, Emergency Preparedness and Incident
Response Branch
Division of Radiological Safety & Security

Docket Nos. 05000354, 05000272 and 05000311
License Nos. NPF-57, DPR-70 and DPR-75

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV
S. O'Neill, RAC Chair, FEMA Region II
T. Scardino, RAC Chair, FEMA Region III

SUBJECT: HOPE CREEK GENERATING STATION AND SALEM NUCLEAR GENERATING STATION, UNITS 1 AND 2 – EMERGENCY PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT 05000354/2024501, 05000272/2024501 AND 05000311/2024501 DATED JUNE 12, 2024

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/RI.DRS.PSB.EP/Shared Documents/EP Inspections/EP Inspection Reports/Hope Creek/SHC EP EX IR 2024-501.docx>
 ADAMS ACCESSION NUMBER: ML24164A112

<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/DRSS	RI/DRSS	RI/DORS	RI/DRSS	
NAME	SMercurio	JDeBoer	BBickett	DSchroeder	
DATE	6/11/2024	6/11/2024	6/12/2024	6/12/2024	

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000354, 05000272 and 05000311

License Numbers: NPF-57, DPR-70 and DPR-75

Report Numbers: 05000354/2024501, 05000272/2024501 and 05000311/2024501

Enterprise Identifiers: I-2024-501-0007
I-2024-501-0008

Licensee: PSEG Nuclear, LLC

Facility: Hope Creek Generating Station and Salem Nuclear Generating Station,
Units 1 and 2

Location: Hancocks Bridge, NJ

Inspection Dates: May 20, 2024 to May 23, 2024

Inspectors: J. DeBoer, Senior Emergency Preparedness Inspector
T. Eck, Physical Security Inspector
E. Eve, Senior Project Engineer
S. Mercurio, Emergency Preparedness Inspector
J. Schoppy, Senior Reactor Inspector

Approved By: Daniel L. Schroeder, Chief
Security, Emergency Preparedness and Incident Response Branch
Division of Radiological Safety & Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness biennial exercise inspection at Hope Creek Generating Station and Salem Nuclear Generating Station, Units 1 and 2, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors evaluated the following submitted Emergency Action Level and Emergency Plan changes:
 - 2022-23, New Owner Controlled Area (OCA) Siren (Wind Port Area) - Relocation, Revision 1
 - 2023-08, Exclusion Area Boundary and OCA Reductions (Wind Port Project), Revision 0
 - 2023-15, Emergency Plan Attachment 6, Revision 2, Development of Evacuation Times Estimates, Revision 0
 - 2023-16, EP-AA-120-1007, Revision 4 - Maintenance of Emergency Response Organization Revised to Eliminate Duty Teams, Revision 0
 - 2023-29, New Jersey Wind Port Operation, Parcel A, Revision 0

This evaluation does not constitute NRC approval.

71114.07 - Exercise Evaluation - Hostile Action (HA) Event

Inspection Review (IP Section 02.01 - 02.11) (1 Sample)

- (1) The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a hostile action based event with imminent loss of physical control of the plant and a large break loss of coolant accident resulting in off-site response on May 21, 2024.

71114.08 - Exercise Evaluation - Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

- (1) The inspectors reviewed and evaluated the proposed scenario for the biennial emergency plan exercise on April 10, 2024.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (DEP) Sample (IP Section 02.12) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

EP03: Alert And Notification System (ANS) Reliability Sample (IP Section 02.14) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On May 23, 2024, the inspectors presented the emergency preparedness biennial exercise inspection results to Charles McFeaters and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.07	Miscellaneous		PSEG Nuclear LLC Emergency Plan	
		S24-02	Salem Hostile Action Based Graded Exercise Scenario Package	03/18/2024
	Procedures	NC.EP-EP.ZZ-0102(Q)	Emergency Preparedness Emergency Coordinator Response	Revision 27