



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE RD, STE 102  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 14, 2022

Mr. Eric Carr  
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 05000354/2022501,  
05000272/2022501, AND 05000311/2022501

Dear Mr. Carr:

On May 13, 2022, 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 Mr. Edward Casulli, Site Vice President 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 and Security

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

Enclosure:  
As stated

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SUBJECT: HOPE CREEK GENERATING STATION AND SALEM NUCLEAR  
GENERATING STATION, UNITS 1 AND 2 – EMERGENCY PREPAREDNESS  
BIENNIAL EXERCISE INSPECTION REPORT 05000354/2022501,  
05000272/2022501, AND 05000311/2022501 DATED JUNE 14, 2022

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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 2022-501.docx](https://usnrc.sharepoint.com/teams/RI.DRS.PSB.EP/Shared%20Documents/EP%20Inspections/EP%20Inspection%20Reports/Hope%20Creek/SHC%20EP%20EX%20IR%202022-501.docx)

**ADAMS ACCESSION NUMBER: ML22165A103**

<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/DORS	RI/DRSS		
NAME	JAmbrosini	BBickett	DSchroeder		
DATE	06/13/2022	06/13/2022	06/13/2022		

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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: 05000354/2022501, 05000272/2022501, and 05000311/2022501

Enterprise Identifier: I-2022-501-0003  
I-2022-501-0004

Licensee: PSEG Nuclear, LLC

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

Location: Hancocks Bridge, NJ 08038

Inspection Dates: May 9, 2022 to May 13, 2022

Inspectors: J. Ambrosini, Senior Emergency Preparedness Inspector  
C. Crisden, Allegations/Enforcement Specialist  
J. Demarshall, Senior Operations Engineer

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

### 71114.01 - Exercise Evaluation

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

- (1) The inspectors evaluated the biennial emergency plan exercise at Hope Creek Generating Station. The exercise scenario simulated an earthquake, damage to a fuel bundle in the spent fuel pool, and additional seismic activity which resulted in lowered spent fuel pool water level on May 10, 2022.

### 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 from May 9 through 13, 2022.
  - 2021-04, Wind Port Project, Revision 1
  - 2021-60, EP-AA-121-1006, PSEG ANS Siren Monitoring, Troubleshooting, and Testing, Revision 3
  - 2022-003, Revision to Emergency Action Level (EAL) SU4.2

This evaluation does not constitute NRC approval.

### 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 biennial emergency plan exercise on April 14, 2022.

## **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) October 1, 2021 through March 31, 2022 (common to Salem and Hope Creek)

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

- (1) October 1, 2021 through March 31, 2022 (common to Salem and Hope Creek)

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

- (1) October 1, 2021 through March 31, 2022 (common to Salem and Hope Creek)

## **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 13, 2022, the inspectors presented the emergency preparedness biennial exercise inspection results to Mr. Edward Casulli, Site Vice President and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Corrective Action Documents	20905794 20906364		
	Miscellaneous	H22-02	Hope Creek 2022 Graded Exercise Scenario Package	Revision 1