



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

September 9, 2020

Mr. Bryan C. Hanson  
Senior Vice President  
Exelon Generating Company, LLC  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – TEMPORARY  
INSTRUCTION 2515/193 INSPECTION REPORT 05000277/2020012 AND  
05000278/2020012

Dear Mr. Hanson:

On August 20, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Peach Bottom Atomic Power Station, Units 2 and 3 and discussed the results of this inspection with Mr. Dave Henry, Plant Manager 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,

X /RA/  
\_\_\_\_\_

Signed by: Josephine A. Ambrosini  
Josephine A. Ambrosini, Team Leader  
Technical Support and Administrative Team  
Division of Reactor Projects

Docket Nos. 05000277 and 05000278  
License Nos. DPR-44 and DPR-56

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – TEMPORARY INSTRUCTION 2515/193 INSPECTION REPORT 05000277/2020012 AND 05000278/2020012 DATED SEPTEMBER 9, 2020

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**ADAMS ACCESSION NUMBER: ML20253A254**

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

Docket Numbers: 05000277 and 05000278

License Numbers: DPR-44 and DPR-56

Report Numbers: 05000277/2020012 and 05000278/2020012

Enterprise Identifier: I-2020-012-0007

Licensee: Exelon Nuclear

Facility: Peach Bottom Atomic Power Station, Units 2 and 3

Location: Delta, PA 17314

Inspection Dates: August 17, 2020 to August 20, 2020

Inspectors: F. Arner, Senior Reactor Analyst  
P. Boguszewski, Resident Inspector

Approved By: Josephine A. Ambrosini, Team Leader  
Technical Support and Administrative Team  
Division of Reactor Projects

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting Temporary Instruction (TI) 2515/193 inspection at Peach Bottom Atomic Power Station, Units 2 and 3, 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), regional inspectors were directed to begin telework. Regional based inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. For the inspection documented below portions of the IP were completed remotely as well as on site and all the objectives and requirements for completion of the IP were met.

## OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL

2515/193 - Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions

Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions (1 Sample)

### (1) PHASE 1

The inspectors evaluated licensee implementation of the appropriate elements of the reliable hardened containment wetwell vent as described in the plant specific submittal(s) and the associated NRC safety evaluation (ADAMS Accession No. ML19015A422). Specifically, the inspectors evaluated licensee implementation of the hardened containment vent system (HCVS) functional requirements, design features, maintenance and testing, quality standards, and programmatic requirements as described in Appendix A of TI 2515/193, Revision 1.

### PHASE 2

The inspectors evaluated licensee implementation of the appropriate elements of the reliable wetwell venting strategy as described in the plant specific submittal(s) and the associated NRC safety evaluation (ADAMS Accession No. ML19015A422). Specifically, the inspectors evaluated licensee implementation of severe accident water addition/severe accident water management (SAWA/SAWM) functional requirements, installed instrumentation, maintenance and testing, and programmatic requirements as described in Appendix B of TI 2515/193, Revision 1.

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On August 20, 2020, the inspectors presented the Temporary Instruction 2515/193 inspection results to Mr. Dave Henry, Plant Manager and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
2515/193	Calculations	PM-1188	HCVS Compressed Nitrogen Sizing Calculation	Revision 2
	Corrective Action Documents Resulting from Inspection	04339435		
		04363915 04364296		
	Drawings	M-367	P and I Diagram Containment Atmospheric Control System	Revision 92
	Miscellaneous		Peach Bottom Atomic Power Station, Units 2 and 3 - Safety Evaluation Regarding Implementation of Hardened Containment Vent Capable of Operation Under Severe Accident Conditions Related to Order EA-13-109 (CAC Nos. MF4416 And MF4417)	03/11/2019
	Procedures	CC-PB-118-1004	Final Integrated Plan	Revision 1
		FSG-040-2	Aligning the FLEX Pump From the ECT to RHR	Revision 2
		T-200-2	Primary Containment Venting	Revision 14
		T-200-3	Primary Containment Venting	Revision 17
		T-200J-2	Containment Venting via the Torus Hardened Vent	Revision 6
	T-200J-3	Containment Venting via the Torus Hardened Vent	Revision 5	