



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

September 6, 2019

Mr. Bryan C. Hanson  
Senior VP, Exelon Generation Co., LLC  
President and CNO, Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3—EMERGENCY  
PREPAREDNESS INSPECTION REPORT 05000237/2019501 AND  
05000249/2019501

Dear Mr. Hanson:

On August 2, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Dresden Nuclear Power Station, Units 2 and 3 and discussed the results of this inspection with Mr. Jeff Stovall, Plant Manager, and other members of your staff. The results of this inspection are documented in the enclosed report.

The NRC inspectors did not identify any findings or violations of more-than-minor significance.

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*, Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

**/RA/**

Rhex A. Edwards, III, Acting Chief  
Operations Branch  
Division of Reactor Safety

Docket Nos. 05000237 and 05000249  
License Nos. DPR-19 and DPR-25

Enclosure:  
As stated

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Rhex A. Edwards, III, dated September 6, 2019.

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3—EMERGENCY  
PREPAREDNESS INSPECTION REPORT 05000237/2019501 AND  
05000249/2019501

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

Docket Numbers: 05000237 and 05000249

License Numbers: DPR-19 and DPR-25

Report Numbers: 05000237/2019501 and 05000249/2019501

Enterprise Identifier: I-2019-501-0017

Licensee: Exelon Generation Company, LLC

Facility: Dresden Nuclear Power Station, Units 2 and 3

Location: Morris, Illinois

Inspection Dates: May 29, 2019, to August 2, 2019

Inspectors: R. Baker, Senior Operations Engineer  
M. Garza, Emergency Preparedness Inspector  
G. Hansen, Senior Emergency Preparedness Inspector  
G. Roach, Senior Operations Engineer

Approved By: Rhex A. Edwards, III, Acting Chief  
Operations Branch  
Division of Reactor Safety

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an Emergency Preparedness inspection at Dresden Nuclear 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.

## **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 on July 30, 2019. The exercise scenario simulated an event at the Dresden Nuclear Power Station that initiated with the declaration and notification of an Alert in response to abnormal plant conditions that caused the on-shift crew to initiate a manual scram that resulted in an Anticipated Transient Without Scram. The scenario conditions simulated the escalation of the significance of the event, requiring the declaration of a Site Area Emergency, and then a General Emergency, as well as the development of Protective Action Recommendations that were communicated to the required state and local government agencies.

### 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 June 20, 2019.

## **OTHER ACTIVITIES – BASELINE**

### 71151 - Performance Indicator Verification

The inspectors verified licensee Performance Indicators submittals listed below:

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

- (1) First Quarter of 2018 - First Quarter of 2019

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

- (1) First Quarter of 2018 – First Quarter of 2019

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

(1) First Quarter of 2018 – First Quarter of 2019

**INSPECTION RESULTS**

No findings or violations were identified.

**EXIT MEETINGS AND DEBRIEFS**

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

- On August 2, 2019, the inspectors presented the Emergency Preparedness inspection results to Mr. Jeff Stovall, Plant Manager, and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
71114.01	Corrective Action Documents	AR3969884	EP-DEP FAILURE DURING 1Q17 TSC FOCUS AREA DRILL (FAD)		
		AR3983452	DRE-EP-2017-PEX-CR SIM-FAILED OBJECTIVE		
		AR3983867	DRE-EP-2017-PEX-OSC-FAILED OBJECTIVE		
		AR3985884	DRE-EP-2017PREX-EOF FAILED DCS		
		AR3986453	DRE-EP-2017-PREX-SIM-FAILED DCS		
		AR3986459	DRE-EP-2017-PREX-OSC-FAILED DCS		
		AR3986464	DRE-EP-2017-PREX-TSC-FAILED DCS		
		AR4122701	SECURITY - INACCURATE ACCOUNTABILITY DATA DURING ASSEMBLY		
	Miscellaneous			Dresden NRC Graded Exercise Scenario Manual	05/31/2019
				Dresden Pre-Exercise Evaluation Report	03/08/2017
				Dresden 2017 TSC PI Drill Evaluation Report	08/08/2017
				Dresden 2017 NRC Graded Exercise Evaluation Report	04/19/2017
				2017 Full PI Focus Area Drill	08/08/2017
				Dresden 2018 Off Year Exercise Evaluation Report	04/03/2018
				Focus Area Drills for the 1st through 4th quarters of 2018	
				Focus Area Drills for the 1st through 4th quarters 2017	
				Dresden Pre-exercise Evaluation Report	06/25/2019
			EP-AA-1004, Addendum 3	Emergency Action Levels for Dresden Station	8
		71151	Miscellaneous	NRC PI Data Sheets	NRC Indicator ANS Reliability
NRC PI Data Sheets	ERO Readiness			01/01/2018 - 03/31/2019	
NRC PI Data Sheets	Drill/Exercise Performance			01/01/2018 - 03/31/2019	