



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

June 15, 2021

Mr. Terry Brown  
Site Vice President  
Energy Harbor Nuclear Corp.  
Davis-Besse Nuclear Power Station  
5501 N. State Rte. 2, Mail Stop A-DB-3080  
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION – EMERGENCY  
PREPAREDNESS INSPECTION REPORT 05000346/2021501

Dear Mr. Brown:

On May 7, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Davis-Besse Nuclear Power Station 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,

Patricia J. Pelke, Chief  
Operations Branch  
Division of Reactor Safety

Docket No. 05000346  
License No. NPF-3

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Terry Brown from Patricia J. Pelke dated June 15, 2021.

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION – EMERGENCY  
PREPAREDNESS INSPECTION REPORT 05000346/2021501

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

Docket Number: 05000346

License Number: NPF-3

Report Number: 05000346/2021501

Enterprise Identifier: I-2021-501-0015

Licensee: Energy Harbor Nuclear Corp.

Facility: Davis-Besse Nuclear Power Station

Location: Oak Harbor, OH

Inspection Dates: May 03, 2021 to May 07, 2021

Inspectors: J. Beavers, Senior Resident Inspector  
M. Garza, Emergency Preparedness Inspector  
G. Hansen, Senior Emergency Preparedness Inspector  
D. Mills, Senior Resident Inspector

Approved By: Patricia J. Pelke, Chief  
Operations Branch  
Division of Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness inspection at Davis-Besse Nuclear Power Station, 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 May 4, 2021. The exercise scenario simulated an event at the Davis-Besse Nuclear Plant that initiated with the declaration and notification of an Alert in response to abnormal plant conditions. 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 March 31, 2021.

## **OTHER ACTIVITIES – BASELINE**

### 71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

#### EP01: Drill/Exercise Performance (IP Section 03.12) (1 Sample)

- (1) January 1, 2020 through December 31, 2020

#### EP02: ERO Drill Participation (IP Section 03.13) (1 Sample)

- (1) January 1, 2020 through December 31, 2020

#### EP03: Alert & Notification System Reliability (IP Section 03.14) (1 Sample)

- (1) January 1, 2020 through December 31, 2020

## **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 7, 2021, the inspectors presented the emergency preparedness inspection results to Terry Brown and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Corrective Action Documents	CR-2019-03589	EP Drill - Initial OSC teams delayed due to HIS-20 issue	04/16/2019
		CR-2019-03603	EP Drill - Objective F.4 Met With Comments – RMT team delayed in obtaining air sample	05/17/2019
		CR-2019-03607	EP Drill - Objective F.6 Met With Comments – Dose Assessment incorrectly manually entered values for rad monitor	04/17/2019
		CR-2019-03688	EP Drill: KI evaluation not properly documented	04/18/2019
		CR-2019-07712	EP Drill - Dose Assessment Failed Drill Objectives F.6 and Skill Objective U.12	09/18/2019
		CR-2019-07833	EP Drill – EOF Summary of Issues	09/18/2019
	CR-2019-08504	EP Drill – Controller provided incorrect coaching to Dose Assessment	10/15/2019	
	Miscellaneous		DBNPS Emergency Plan	34
71114.08	Miscellaneous		DBNPS EP Evaluated Exercise Scenario	03/05/2021
71151	Miscellaneous		NRC Performance Indicator Data; Emergency Preparedness – Alert and Notification System	1st quarter 2020 through 4th quarter 2020
			NRC Performance Indicator Data; Emergency Preparedness – ERO Participation	1st quarter 2020 through 4th quarter 2020
			NRC Performance Indicator Data; Emergency Preparedness – DEP	1st quarter 2020 through 4th quarter 2020