



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

July 17, 2019

Mr. Robert Craven  
Site Director  
NextEra Energy Point Beach, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2—EMERGENCY  
PREPAREDNESS BIENNIAL EXERCISE INSPECTION  
REPORT 05000266/2019501 AND 05000301/2019501

Dear Mr. Craven:

On June 13, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Point Beach Nuclear Plant, 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.

The NRC inspectors did not identify any finding or violation 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. 50-266; 50-301  
License Nos. DPR-24; DPR-27

Enclosure:  
As stated

cc: Distribution via LISTSERV®

Letter to Robert Craven from Rhex A. Edwards, III, dated July 17, 2019.

SUBJECT: POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2—EMERGENCY  
PREPAREDNESS BIENNIAL EXERCISE INSPECTION  
REPORT 05000266/2019501 AND 05000301/2019501

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

Docket Numbers: 05000266 and 05000301

License Numbers: DPR-24 and DPR-27

Report Numbers: 05000266/2019501 and 05000301/2019501

Enterprise Identifier: I-2019-501-0016

Licensee: NextEra Energy Point Beach, LLC

Facility: Point Beach Nuclear Plant, Units 1 and 2

Location: Two Rivers, WI

Inspection Dates: June 10, 2019, to June 13, 2019

Inspectors: M. Garza, Emergency Preparedness Inspector  
G. Hansen, Senior Emergency Preparedness Inspector  
R. Ng, Project Engineer  
J. Park, Reactor Inspector

Approved By: Rhex A. Edwards, III, Acting 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 Biennial Exercise inspection at Point Beach Nuclear Plant, 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)

The inspectors evaluated the Biennial Emergency Plan Exercise. On June 11, 2019, the exercise scenario simulated an event at the Point Beach Nuclear Plant that initiated with the declaration and notification of an Unusual Event in response to a dropped fuel transfer cask damaging the spent fuel pool (SFP) liner, resulting in SFP leakage and rising radiation levels in the area of the SFP. The scenario conditions simulated the escalation of the significance of the event, requiring the declaration of an Alert, 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)

The inspectors reviewed and evaluated the proposed scenario for Biennial Emergency Plan Exercise on May 9, 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)

July 2018 - March 2019

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

July 2018 - March 2019

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

July 2018 - March 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 June 13, 2019, the inspectors presented the Emergency Preparedness Biennial Exercise inspection results to Robert Craven 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 02219462	2017 Pre-IPX - TSC and Behaviors Need Improvement	
		CR 02220555	Recurring Improvement Items	
		CR 02226076	2017 IPX - Controller Performance Issues	
		CR 02226079	2017 IPX - Site Area Emergency DEP Failure	
		CR 02226082	2017 IPX - DEP Failure for Alert Classification	
		CR 02226092	2017 IPX - Scenario Development & Validation Improvement Opportunity	
		CR 02246338	1Q18 EP Drill - Missed ERO Activation Time	
		CR 02250880	WANO EP Drill - Unsat Objective for Exchange of Public Info - JIC	
		CR 02269333	Communication Drill with State and Counties Deficiencies	
		CR 02272608	Site Drill Cycle Tracking Process not IAW Fleet Guidance	
		CR 02273647	Adverse Trend - Fleet EP Procedure Compliance	
		CR 02282119	3Q18 EP Drill DEP Failure	
		CR 02282167	EMNET Phone Did Not Work Properly During Drill	
		CR 02301888	EMNET Phone System Not Functioning as Designed	
		CR 02306331	1Q19 EP Drill - Control Room Objective Failure	
	Procedures	EP 7.0	Point Beach Nuclear Plant Emergency Plan, Emergency Facilities and Equipment	66
		EP, Appendix B	Emergency Plan Manual, Emergency Classification	32
		EPIP 1.2	Emergency Classification	54
		EPIP 1.2.1	Emergency Action Level Technical Basis	23
		EPIP 1.3	Dose Assessment and Protective Action Recommendations	52
		EPIP 2.1	Notifications - ERO, State and Counties, and NRC	58
		EPIP 4.1	Technical Support Center (TSC) Activation and Evacuation	55
		EPIP 4.2	Operations Support Center (OSC) Activation and Evacuation	29
		EPIP 4.3	Emergency Operations Facility (EOF) Activation and Evacuation	48
		EPIP 4.8	Joint Information Center Activation and Evacuation	10
71114.08		PBN EPR 192 002D	Point Beach Nuclear Plant Emergency Preparedness 2019 NRC Exercise	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71151	Miscellaneous		Emergency Response Organization (ERO) Drill Participation Data	July 2018 - March 2019
			Alert Notification System (ANS) Reliability Data	July 2018 - March 2019
			Drill and Exercise Participation (DEP) Opportunities Data	July 2018 - March 2019