



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

May 10, 2018

Mr. Charles Arnone
Vice President, Operations
Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043-9530

SUBJECT: PALISADES NUCLEAR PLANT—NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000255/2018503

Dear Mr. Arnone:

On April 26, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at your Palisades Nuclear Plant. The NRC inspectors 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."

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

/RA/

Steven K. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 50-255
License No. DPR-20

Enclosure:
IR 05000255/2018503

cc: Distribution via ListServ®

Letter to Charles Arnone from Steven K. Orth dated May 10, 2018

SUBJECT: PALISADES NUCLEAR PLANT—NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000255/2018503

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-255

License No: DPR-20

Report No: 05000255/2018503

Enterprise Identifier: I-2018-503-0002

Licensee: Entergy Nuclear Operations, Inc.

Facility: Palisades Nuclear Plant

Location: Covert, MI

Dates: March 14, 2018; April 23, 2018, through April 26, 2018

Inspectors: M. Garza, Emergency Preparedness Inspector
J. Seymour, Operations Engineer
B. Bergeon, Operations Engineer
M. Domke, Reactor Inspector

Approved by: S. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission continued monitoring licensee's performance by conducting an Emergency Preparedness Inspection at Palisades Nuclear Plant in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the U.S. Nuclear Regulatory Commission'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 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 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 (1 Sample)

The inspectors evaluated the April 24, 2018, Biennial Emergency Plan Exercise. The exercise scenario simulated an event at Palisades Nuclear Plant that initiated with the declaration and notification of an Alert in response to equipment failure. The scenario conditions simulated the escalation of the significance of the event, requiring the declaration and notification 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 (1 Sample)

The inspectors reviewed and evaluated the proposed scenario for the Biennial Emergency Plan Exercise on March 14, 2018.

OTHER ACTIVITIES—BASELINE

71151—Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below. (3 Samples)

- (1) EP01: Drill/Exercise Performance—1 Sample (3rd Quarter of 2017 and 4th Quarter of 2017);
- (2) EP02: Emergency Response Organization Drill Participation—1 Sample (3rd Quarter of 2017 and 4th Quarter of 2017); and
- (3) EP03: Alert and Notification System Reliability—1 Sample (3rd Quarter of 2017 and 4th Quarter of 2017).

INSPECTION RESULTS

No findings or violations were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors confirmed that proprietary information was controlled to protect from public disclosure. No proprietary information was documented in this report.

- On April 26, 2018, the inspectors presented the Emergency Preparedness inspection results to Mr. C. Arnone, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

71114.01—Exercise Evaluation

- Palisades Nuclear Plant Site Emergency Plan; Revision 30
- 2018 Palisades Pre NRC Evaluated Exercise Assessment; 02/20/2018
- Palisades Drill Reports 04/13/2016; 04/26/2016; 05/17/2016; 02/08/2017; 08/16/2017; 10/25/2017; 11/07/2017
- CR-PLP-2016-01975; Condition Report; 04/27/2016
- CR-PLP-2016-03506; Condition Report; 07/29/2016
- CR-PLP-2017-00536; Condition Report; 02/13/2017
- CR-PLP-2017-03900; Condition Report; 08/21/2017
- CR-PLP-2017-05121; Condition Report; 11/07/2017
- CR-PLP-2017-05122; Condition Report; 11/07/2017
- CR-PLP-2017-05685; Condition Report; 12/07/2017
- CR-PLP-2017-05687; Condition Report; 12/13/2017
- CR-PLP-2017-05691; Condition Report; 12/13/2017
- CR-PLP-2018-00555; Condition Report; 01/31/2018

71114.08—Exercise Evaluation—Scenario Review

- 2018 Palisades Exercise Scenario 60-day NRC Submittal; 02/21/2018

71151—Performance Indicator Verification

- NRC Performance Indicator Data, Emergency Preparedness – Alert and Notification System Reliability, 3rd Quarter of 2017 through 4th Quarter of 2017
- NRC Performance Indicator Data, Emergency Preparedness – Drill/Exercise Performance, 3rd Quarter of 2017 through 4th Quarter of 2017
- NRC Performance Indicator Data, Emergency Preparedness – ERO Readiness, 3rd Quarter of 2016 through 4th Quarter of 2017