



An AEP Company

BOUNDLESS ENERGY™

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Cook Nuclear Plant
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August 4, 2021

AEP-NRC-2021-42
10 CFR 50.4
10 CFR Part 72.44(f)

Docket Nos.: 50-315
50-316
72-072

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555-0001

SUBJECT: Donald C. Cook Nuclear Plant Unit 1 and Unit 2
Transmittal of Report of Changes to the Emergency Plan

Dear Sir or Madam:

Pursuant to 10 CFR 72.44, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 1 and Unit 2, is transmitting the report of changes for CNP Emergency Plan Revisions 45 and 46.

There are no new or revised commitments in this letter. Should you have any questions, please contact me at (269) 466-2649.

Sincerely,

A handwritten signature in black ink, appearing to read "M. K. Scarpello".

Michael K. Scarpello
Regulatory Affairs Director

KMH/ml

Enclosure – Donald C. Cook Nuclear Plant (CNP) Report of Changes, CNP Emergency Plan, Revisions 45 and 46.

c: R. J. Ancona – MPSC
EGLE – RMD/RPS
J. B. Giessner – NRC Region III
NRC Resident Inspector
R. M. Sistevaris – AEP Ft. Wayne
J. E. Walcutt – AEP Ft. Wayne
S. P. Wall – NRC Washington, D.C.
A. J. Williamson – AEP Ft. Wayne

Enclosure to AEP-NRC-2021-42
Donald C. Cook Nuclear Plant (CNP)
Report of Changes, CNP Emergency Plan, Revisions 45 and 46

Enclosure to AEP-NRC-2021-42

**DONALD C. COOK NUCLEAR PLANT (CNP)
Report of Changes, CNP Emergency Plan (CEP), Revision 45
Effective 4/30/2021**

PLANNING STANDARD B – EMERGENCY RESPONSE ORGANIZATION

Page 44, Figure 2:

Added “Continuous Improvement Manager” as this is a new position reporting to the Site Vice President.

PLANNING STANDARD D – EMERGENCY CLASSIFICATION SYSTEM

Page 67, Table R-1:

Revised the table for SG Blowdown and SG Blowdown Treatment. The values were revised based on an engineering change that added shielding for SG Blowdown Radiation Monitors to reduce the impact of background radiation. This change was evaluated under 10 CFR 50.54(q).

PLANNING STANDARD E - NOTIFICATION METHODS AND PROCEDURES

Page 82, E.3.7, Content of Initial Emergency Messages, revised as follows:

FROM: “Verification to confirm authenticity of call.”

TO: “Verification to confirm authenticity of communication.”

This change was made to clarify that any type of communication used for initial notification will be verified to confirm authenticity.

Page 82, E.6, Public Notification, revised as follows:

FROM:

“The Berrien County Plan includes provisions for:

1. “Alerting local radio, television stations and, local news media to be prepared to transmit Emergency Public Information. This initial notification will be accomplished via a radio receiver/transmitter that will record the emergency information transmitted by the Sheriff’s Department to designated locations simultaneously. Additional information will be provided as described in Section G.”
4. “Activation and use of the emergency warning system consisting of sirens located throughout the 10 mile EPZ. Activation of this system is controlled solely by the Berrien County Sheriff and is based upon recommendations made by the appropriate authority.

“The D. C. Cook Plant Emergency Preparedness Department has overall responsibility for testing, maintenance, and repair of the Alert and Notification System (ANS) Sirens.

"The ANS is the primary method for alerting and notifying the population within the plume exposure EPZ. Backup ANS for the EPZ is achieved through Route Alerting which is contained within the Alert and Notification System (ANS) Design Report and the State of Michigan and Berrien County Radiological Emergency Response Plans. Refer to Appendix B for FEMA letter describing the provisions for ANS."

TO:

"The Berrien County Plan includes provisions for:

1. "Alerting local radio, television stations and, local news media to be prepared to transmit Emergency Public Information."
4. "Activation and use of the Integrated Public Alert Warning System (IPAWS). Activation of this system is controlled solely by the Berrien County Sheriff and is based upon recommendations made by the appropriate authority."

"Berrien County has overall responsibility for testing, maintenance, and repair of the Integrated Public Alert Warning Systems (IPAWS).

"IPAWS is the primary method for alerting and notifying the population within the plume exposure EPZ. Backup ANS for the EPZ is achieved through Route Alerting which is contained within the Alert and Notification System (ANS) Design Report and the State of Michigan and Berrien County Radiological Emergency Response Plans. Refer to Appendix B for FEMA letter describing the provisions for ANS."

These updates reflect the change from using Sirens to now using the Integrated Public Alert Warning System (IPAWS). This change was evaluated under 10 CFR 50.54(q).

PLANNING STANDARD O – RADIOLOGICAL EMERGENCY RESPONSE TRAINING

Page 144, O.5, Initial and Annual Retraining, revised as follows:

Changed Title FROM: "Initial and Annual Retraining"

TO: "Initial and Periodic Retraining"

Changed Content wording FROM:

"Initial training and qualification, as well as continuing training requirements addressed in TPD-600-EPT, Emergency Preparedness Training Program Description.

Initial training and job familiarization completed prior to assignment to the ERO.

Continuing training consists of the following (as minimum):

- Drill participation at least once every two years.
- ERO Facility training.
- Annual ERO Classroom training or a requalification challenge exam."

TO:

"Initial training and job familiarization, as well as periodic training for personnel with emergency response responsibilities are in TPD-600-EPT, Emergency Preparedness Training Program Description. Initial training and job familiarization completed prior to assignment to the ERO."

This section was revised to remove duplicate information from the Cook Emergency Plan that is contained in the procedure for the Emergency Preparedness Training Program Description. This change was evaluated under 10 CFR 50.54(q).

APPENDICES

Page 157, Appendix B:

Corrected the date for the "Mutual Assistance Agreement between Fermi, Palisades, and Cook."

FROM: 9/12/18

TO: 10/13/19

The incorrect date was specified.

Page 157, Appendix B:

Revised the date for the "FEMA Alert and Notification (ANS) Design Report letter."

FROM: 9/11/17

TO: 4/13/21

A new ANS Design Report Approval letter, dated April 13, 2021, that approves the change from using Sirens to now using the Integrated Public Alert Warning System (IPAWS) was received.

Pages 173-178, Appendix B, FEMA ANS Design Report Letter:

This ANS Design Report Approval letter was updated with the change from using Sirens to now using the Integrated Public Alert Warning System (IPAWS).

Pages 181-194, Appendix D, Emergency Preparedness Brochure:

This brochure was updated to reflect the change from using Sirens to now using the Integrated Public Alert Warning System (IPAWS).

ENTIRE DOCUMENT

Removed the revision for all references to "NUREG-0654/FEMA-REP-1," this aligns with how NUREG-0654/FEMA-REP-1 is referenced within the UFSAR.

DONALD C. COOK NUCLEAR PLANT (CNP)
Report of Changes, CNP Emergency Plan (CEP), Revision 46
Effective 05/27/2021

PLANNING STANDARD D – EMERGENCY CLASSIFICATION SYSTEM

Page 67, Emergency Action Level Initiating Conditions, Table RA2.3:

Revised the value in the table for Spent Fuel Pool Level Instrumentation. This change was evaluated under 10 CFR 50.54(q).

Page 67, Emergency Action Level Initiating Conditions, Table RG2.1 and RS2.1:

Revised the value in the table for Spent Fuel Pool Level Instrumentation. This change was evaluated under 10 CFR 50.54(q).