



An AEP Company

BOUNDLESS ENERGY™

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
indianamichiganpower.com

April 12, 2023

AEP-NRC-2023-24
10 CFR 50.4

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
NOTIFICATION OF PH NON-COMPLIANCE FOR TURBINE ROOM SUMP

Reference:

1. Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality - Great Lakes and Energy, "Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102," dated March 29, 2023.
2. Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality - Great Lakes and Energy, "Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102. March 29, 2023 Notification Letter Revised," dated April 4, 2023.

By Reference 1 and 2, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted to the Michigan Department of Environmental Quality - Great Lakes and Energy, a notification of pH non-compliance for Outfall 00D (Turbine Room Sump).

On March 24, 2023, a discharge occurred from Outfall 00D that was below the minimum pH permit limit of 6.5. Approximately 39,000 gallons of water were discharged to the on-site absorption pond with a pH value between 3.5 and 6.0. The next discharge, which also occurred on March 24, 2023, had returned within proper pH limits. The cause of this event is still being evaluated and details will be provided in the follow up 60-day notification. CNP has not observed any environmental impact from this discharge.

Reference 1 and 2 is provided, as an enclosure to this letter, in accordance with CNP's Technical Specification, Environmental Protection Plan, Section 5.4.2, "Non- Routine Reports."

This letter contains no new or revised commitments. Should you have any questions please contact Chris A. Blosser, Environmental Manager, at (269) 465-5901, extension 2579.

Sincerely,



Michael K. Scarpello
Regulatory Affairs Director

Enclosure: Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality - Great Lakes and Energy, "Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102. March 29, 2023, Notification Letter Revised," dated April 4, 2023.

Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality - Great Lakes and Energy "Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102," dated March 29, 2023.

KMH/sjh

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

ENCLOSURE TO AEP-NRC-2023-24

Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality – Great Lakes and Energy, “Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102. March 29, 2023 Notification Letter Revised,” dated April 4, 2023.

Letter from C. A. Blosser, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environmental Quality, Great Lakes and Energy “Donald C. Cook Nuclear Plant Groundwater Discharge Permit GW 1810102,” dated March 29, 2023



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Ms. Jen Klang – District Supervisor
Michigan Department Environment, Great Lakes and Energy
Surface Water Quality Division
7953 Adobe Road
Kalamazoo, MI 49009-5026

April 4, 2023

Subject: Donald C. Cook Nuclear Plant
Groundwater Discharge Permit GW 1810102
March 29, 2023 Notification Letter Revised

Dear Ms. Klang,

In the subject correspondence sent to your office on March 29, 2023, Donald C. Cook Nuclear Plant noted an error. In the second paragraph, the date of March 24, 2023 was incorrectly specified as March 27, 2023. The revised letter is attached with the corrected date.

If you have any questions, please contact me at (269) 465-5901, ext. 2579.

Sincerely,

A handwritten signature in black ink, appearing to read 'CB' followed by a long horizontal stroke.

Christopher A. Blosser
Chemistry and Environmental Manager

Att.

c: Mr. Daniel Burlingame - EGLE Kalamazoo

April 4, 2023
GW Permit GW1810102
Page 2

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this and all attached documents, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



C.A. Blosser
Chemistry and Environmental Manager.



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Ms. Jen Klang - District Supervisor
Michigan Department Environment, Great Lakes and Energy
Surface Water Quality Division
7953 Adobe Road
Kalamazoo, MI 49009-5026

March 29, 2023

Subject: Donald C. Cook Nuclear Plant
Groundwater Discharge Permit GW 1810102

Dear Ms. Klang,

As required by Donald C. Cook Nuclear Plant (CNP) Groundwater Discharge Permit (GW1810102), Part I, Section 11, Compliance Requirements, CNP is providing notification of a pH noncompliance for Outfall 00D (Turbine Room Sump). On March 27, 2023, CNP became aware of this noncompliance during the preparation of the monthly Discharge Monitoring Report submittal.

On March 24, 2023, between the time period of 21:40 hours to 22:00 hours, a discharge occurred from Outfall 00D that was below the minimum pH permit limit of 6.5. Approximately 39,000 gallons of water were discharged to the on-site absorption pond with a pH value between 3.5 and 6.0. The next discharge, which occurred on March 27, 2023, at 22:20 hours had returned to a within limits pH value of 9.4. 24 07 4:3 23

CNP inspects the on-site absorption pond on a weekly basis and have not observed any environmental impact from this discharge. A grab sample pH was obtained and analyzed on March 27, 2023, with a value of 7.8. With this notification CNP has met the requirements specified in Donald C. Cook Nuclear Plant (CNP) Groundwater Discharge Permit (GW1810102), Part I, Section 11 Parts a through c and will provide a follow-up 60 day letter as required in Section 11, part d.

If you have any questions, please contact me at (269) 465-5901, ext. 2579.

Sincerely,

Christopher A. Blosser
Chemistry and Environmental Manager

c: Mr. Daniel Burlingame - EGLE Kalamazoo
USNRC per Technical Specifications, Appendix B

March 29, 2023
GW Permit GW1810102
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C.A. Blosser
Chemistry and Environmental Manager.



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A handwritten signature in black ink, appearing to read 'C.A. Blosser', with a long horizontal line extending to the right.

C.A. Blosser
Chemistry and Environmental Manager.