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

May 25, 2017

AEP-NRC-2017-35
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: Letter from J. H. Harner, Indiana Michigan Power Company, to J. Sanders, Michigan Department of Environmental Quality, "Donald C. Cook Nuclear Plant Groundwater Permit GW 1810102," dated May 10, 2017.

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

On April 2, 2017, a discharge occurred from Outfall 00D that was below the minimum pH permit limit of 6.5. Approximately 26,000 gallons of water were discharged to the on-site absorption pond with a pH value between 6.4 and 6.1. The next discharge, which occurred on April 3, 2017, had returned within proper pH limits. The cause of this event was a discharge isolation valve switch malfunction. The switch is being replaced. CNP has not observed any environmental impact from this discharge.

Reference 1 is provided, as an enclosure to this letter, in accordance with CNP's 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 Jon H. Harner, Environmental Manager, at (269) 465-5901, extension 2102.

Sincerely,

Michael K. Scarpello
Regulatory Affairs Manager

Enclosure: Letter from J. H. Harner, Indiana Michigan Power Company, to J. Sanders, Michigan Department of Environmental Quality, "Donald C. Cook Nuclear Plant Groundwater Permit GW 1810102," dated May 10, 2017.

KMH/db

ADD
NRR

c: R. J. Ancona - MPSC
J. K. Rankin, NRC Washington D.C.
NRC Resident Inspector, w/o enclosure
C. D. Pederson – NRC Region III
A.J. Williamson - AEP Ft. Wayne

ENCLOSURE TO AEP-NRC-2017-35

Letter from J. H. Harner, Indiana Michigan Power Company, to J. Sanders, Michigan Department of Environmental Quality, "Donald C. Cook Nuclear Plant Groundwater Permit GW 1810102," dated May 10, 2017.



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Mr. Jerrod Sanders – District Supervisor
Michigan Department of Environmental Quality
Surface Water Quality Division
7953 Adobe Road
Kalamazoo, MI 49009-5026

May 10, 2017

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

Dear Mr. Sanders

As required by Part I, section 11 of our Permit (GW1810102), we are providing you with this report of a pH noncompliance for Outfall 00D (Turbine Room Sump). On May 5, 2017 we became aware of this noncompliance during the preparation of the monthly Discharge Monitoring Report submittal.

On April 2, 2017 between the time period of 23:38 hrs. to 23:51 hrs., a discharge occurred from Outfall 00D that was below the minimum pH permit limit of 6.5. Approximately 26,000 gallons of water were discharged to the on-site absorption pond with a pH value between 6.4 and 6.1. The next discharge, which occurred on April 3, 2017 at 02:21 hrs. had returned to a within limits pH value of 7.1.

We inspect the on-site absorption pond on a weekly basis and have not observed any environmental impact from this discharge. With this notification we have met parts a through c of the permit requirements and will provide a follow-up 60 day letter as required in part d.

If you have any questions, please contact me at (269) 465-5901, ext. 2102.

Sincerely,

Jon H. Harner
Environmental Manager

c: Ms Christina Bauer - MDEQ Kalamazoo
Ms Laurelin Martin – MDEQ Kalamazoo
USNRC per app. B TS.