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

August 19, 2019

AEP-NRC-2019-46  
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 GW1810102 NON-COMPLIANCE FOR MERCURY

References:

1. Letter from M. K. Scarpello, Indiana Michigan Power Company (I&M), to U. S. Nuclear Regulatory Commission (NRC) Document Control Desk, "Donald C. Cook Nuclear Plant Units 1 and 2, Notification of GW1810102 Non-Compliance for Mercury", AEP-NRC-2019-45, dated August 8, 2019.

Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, is providing a follow-up notification to the Nuclear Regulatory Commission (NRC) of a Groundwater Permit GW1810102 non-compliance for mercury, in accordance with CNP's Environmental Protection Plan, Section 5.4.2, "Non-routine Reports."

By Reference 1, the NRC was notified that on August 2, 2019, Monitoring Well 1A was confirmed to be 4.1 ng/l (0.0041 ug/l) for mercury, which exceeds the permit limit of 1.3 ng/l (0.0013 ug/l).

The purpose of this letter is to provide a 14-day update, as required by CNPs Groundwater Permit GW1810102, on the results of the monitoring point resample.

On August 5, 2019, Monitoring Well 1A was re-sampled. Results show that the mercury concentration was 0.003 ug/l and is showing a decreasing trend, however, it is still above the permit limit of 0.0013 ug/l.

A 60 day follow-up letter, as required by Groundwater Permit GW1810102, will provide re-sampling results, an evaluation of the cause of event, and CNP's corrective actions.

The notification to the Michigan Department of Environment, Great Lakes, and Energy is provided, as an enclosure to this letter.

IE23  
NRR

This letter contains no new or revised commitments. Should you have any questions please contact Michael K. McCarthy, Chemistry Manager, at (269) 465-5901, extension 2810.

Sincerely,



Michael K. Scarpello  
Regulatory Affairs Director

Enclosure: Letter from M. K. McCarthy, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environment, Great Lakes, and Energy, "American Electric Power, Donald C. Cook Nuclear Plant, Groundwater Permit GW1810102," dated August 19, 2019.

MPH/mlI

c: R. J. Ancona – MPSC  
D. A. Kopec – AEP Columbus  
R. F. Kuntz – NRC Washington D.C.  
NRC Resident Inspector, w/o enclosure  
D. J. Roberts – NRC Region III  
A. J. Williamson – AEP Ft. Wayne

ENCLOSURE TO AEP-NRC-2019-46

Letter from M. K. McCarthy, Indiana Michigan Power Company, to J. Klang, Michigan Department of Environment, Great Lakes, and Energy, "American Electric Power, Donald C. Cook Nuclear Plant, Groundwater Permit GW1810102," dated August 19, 2019.



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Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
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Ms Jen Klang  
Michigan Department of Environment, Great Lakes and Energy  
7953 Adobe Road  
Kalamazoo, MI 49009-5026

August 19, 2019

Re: American Electric Power Company  
Donald C. Cook Nuclear Plant  
Groundwater Permit No. GW1810102

Dear Ms. Klang:

This notification is made pursuant to Cook Nuclear Plant's Groundwater Permit GW1810102, Part I.11.c, Compliance Requirements-14 day monitoring point resample.

We have resampled monitoring well 1A on August 5, 2019. Results show that the mercury concentration was 0.003 ug/l and is showing a decreasing trend, however, it is still above the permit limit of 0.0013 ug/l. Well 1A is located southeast of the plant's rapid infiltration basin, and is the closest monitoring well to this discharge point. Other downgradient wells in our program are below detection limits which indicate that there is no impact to the surrounding areas.

As required by Part I.11.d, we will submit a written report to the Kalamazoo Office within 60 days (due date October 1, 2019).

If you have any questions, please contact me at (269) 465-5901, ext. 2810.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael K. McCarthy".

Michael K McCarthy  
Chemistry Manager

c: MIWATERS