



A unit of American Electric Power

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

October 17, 2016

AEP-NRC-2016-82
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
FOLLOW UP NOTIFICATION OF INCREASED CHLORIDE
CONCENTRATION AT MONITORING WELL

References:

1. Letter from J. H. Harner, Indiana Michigan Power Company (I&M), to J. Sanders, Michigan Department of Environmental Quality (MDEQ), "American Electric Power Company, Donald C. Cook Nuclear Plant, Groundwater Permit No. GW1810102," dated August 15, 2016.
2. Letter from M. K. Scarpello, I&M, to Nuclear Regulatory Commission, "Donald C. Cook Nuclear Plant Units 1 and 2 - Notification of Increased Chloride Concentration at Monitoring Well," dated September 7, 2016.
3. Letter from J. H. Harner, I&M, to J. Sanders, MDEQ, "American Electric Power Company, Donald C. Cook Nuclear Plant, Groundwater Permit No. GW1810102," dated September 30, 2016.

By Reference 1, Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted to Michigan Department of Environmental Quality (MDEQ) a notification of increased chloride concentration at Monitoring Well 19, for Groundwater Permit GW1810102. By Reference 2, I&M provided Reference 1 to the NRC in accordance with CNP's Environmental Protection Plan, Section 5.4.2., "Routine Reports."

By Reference 3, I&M submitted to MDEQ a follow up notification to Reference 1.

The follow up notification for resampling of Monitoring Well 19 identified that the chloride concentration was below the level of concern listed in 324.3109e of Act 451, No additional sampling or actions are planned for this issue.

Reference 3 is provided, as an enclosure to this letter, in accordance with CNP's Environmental Protection Plan, Section 5.4.2., "Routine Reports."

IE25
NRR

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

KMH/ml

Enclosure: Letter from J. H. Harner, Indiana Michigan Power, to J. Sanders, Michigan Department Environmental Quality, "American Electric Power Company, Donald C. Cook Nuclear Plant, Groundwater Permit No. GW1810102," dated September 30, 2016.

c: R. J. Ancona – MPSC
A.W. Dietrich, 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-2016-82

Letter from J. H. Harner, Indiana Michigan Power, to J. Sanders, Michigan Department Environmental Quality, "American Electric Power Company, Donald C. Cook Nuclear Plant, Groundwater Permit No. GW1810102," dated September 30, 2016.



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

September 30, 2016

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

Dear Mr. Sanders:

This notification is a follow up to our notification dated August 15, 2016 and Email correspondence dated September 22, 2016.

On September 1, 2016 we resampled downgradient monitoring well 19 for chloride. The chloride concentration was 50.6 mg/l. Which is below the level of concern listed in 324.3109e of Act 451.


No additional sampling or actions are planned for this issue. Please contact me at telephone (269) 465-5901 ext. 2102 if you have any questions regarding this information.

Sincerely,

Jon H. Harner
Environmental Manager
Donald C. Cook Nuclear Plant

c: Ms. Christine Bauer, MDEQ - Kalamazoo
USNRC per Appendix B. T.S.

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.

A handwritten signature in dark ink, appearing to read "J.H. Harner", with a long horizontal flourish extending to the right.

J.H. Harner
Environmental Manager

bc: J. P. Gebbie
Q. S. Lies
J. D. Ross
J. H. Harner
B. D. Newton
M. K. Scarpello
W. H. Schalk
J. C. Krieger
B. K. Zordell
NDM
MDEQ File