

April 28, 2016

AEP-NRC-2016-43  
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  
Spill Notification

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 No. GW1810102," dated April 18, 2016.

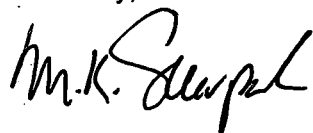
By the referenced letter, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted to the Michigan Department of Environmental Quality, a notification of a spill resulting from a failed transformer at CNP.

The cause of the oil release from the containment system was a failure of a seal between the composite wall of the containment and the concrete firewall foundation. The transformer holding capacity is 30,119 gallons. As of April 15, 2016, approximately 17,000 gallons of oil had been recovered or accounted for. Clean up efforts are ongoing. No oil was discharged to the surface water. This spill does not pose a threat to the environment or public health and safety.

The referenced letter is provided as an enclosure to this letter in accordance with CNP's Nonradiological Environmental Protection Plan, Section 5.4.2.

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 No. GW1810102," dated April 18, 2016.

KMH/ml

IE23  
NRR

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-2016-43

Letter from J. H. Harner, Indiana Michigan Power Company, to J. Sanders, Michigan Department of Environmental Quality, "Donald C. Cook Nuclear Plant, Groundwater Permit No. GW1810102," dated April 18, 2016.



**INDIANA  
MICHIGAN  
POWER**

*A unit of American Electric Power*

Indiana Michigan Power  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49108  
IndianaMichiganPower.com

Mr. Jerrod Sanders, District Supervisor  
Michigan Department of Environmental Quality  
7953 Adobe Road  
Kalamazoo, MI 49009

April 18, 2016

Dear Mr. Sanders:

Subject: Donald C. Cook Nuclear Plant  
Groundwater Permit No. GW1810102

This notification is made pursuant to Donald C. Cook Nuclear Plant's (CNP) Groundwater Permit GW1810102, Part II, Section 13, Spill Notification.

On April 8, 2016, a transformer failed in the 765 KV Switchyard at the Cook Nuclear Plant. The transformer holding capacity is 30,119 gallons. As of April 15, approximately 17,000 gallons of oil had been recovered and or accounted for. Cleanup efforts are ongoing. At this time, free product has been collected and stored in temporary frac tanks on the site awaiting proper disposal. As of April 15, approximately 135 cubic yards of oil saturated soil has been removed from the spill vicinity. Cleanup at the site continues. No oil was discharged to the surface water. This spill does not pose a threat to the environment or public health or safety.

The transformer and the system in the vicinity was de-energized which allowed the recovery efforts to begin. Crews worked 24 hours a day for the first three days containing the spill until all free product was recovered. Ongoing excavation of contaminated soils continues. The remaining oil in the failed transformer will be pumped out and properly disposed of once it is safe to proceed. We will provide notification to your office when cleanup efforts have been completed.

The cause of the oil release from the containment system was caused by a failure of a seal between the composite wall of the containment and the concrete firewall foundation. This is the only composite type containment on the site; other containments are concrete and steel construction. The system transformers will not be energized until we complete an analysis of this containment structure.

Mr. Jerrod Sanders

Page 2


April 18, 2016

Re: Cook Nuclear Plant  
Groundwater Permit No. GW1810102

Mr. M. Ducharme of the Michigan Department of Environmental Quality (MDEQ), and Captain Rockey Adams of the Local Emergency Planning Commission (LEPC) were notified of the spill on April 8, 2016. An investigation of the transformer spill containments is underway to determine the cause of the failure to contain the transformer contents.

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

Sincerely,



Jon H. Harner  
Environmental Manager

c: Cpt. Rockey Adams – LEPC  
Mr. Michael Mortimore – Berrien County Health Dept.  
Ms. Martha Stanbury – HSEES  
Lake Township Fire Chief  
Ms. Susan Parker – SERC  
Ms. Christine Bauer, MDEQ – Kalamazoo  
US NRC per App. B T.S.

Mr. Jerrod Sanders  
Page 3  
April 18, 2016

Re: Cook Nuclear Plant  
Groundwater Permit No. GW1810102

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.



Jon H. Harner  
Environmental Manager