

CATEGORY 1

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 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 FITZPATRICK, E. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards NPDES Permit MI 0005827 notification re condensate spill w/trace amounts of hydrazine & ethanolamine that were released into storm water sys.

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Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1395



April 27, 1998

AEP:NRC:1208Z

Docket Nos.: 50-315
50-316

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D. C. 20555

Gentlemen:

DONALD C. COOK NUCLEAR PLANT UNITS 1 AND 2
SPILL NOTIFICATION (NPDES PERMIT NO. MI 0005827)

The attached notification is forwarded for your information pursuant to appendix B of the Cook Nuclear Plant environmental technical specifications. The subject of this notification concerns a condensate spill with trace amounts of hydrazine and ethanolamine that were released into the storm water system.

Should you have any questions or concerns regarding this notification, please contact John P. Carlson at (616) 465-5901, extension 1153.

Sincerely,

A handwritten signature in cursive script, appearing to read 'E. E. Fitzpatrick for'.

E. E. Fitzpatrick
Vice President

/vlb

Attachment

c: J. A. Abramson
A. B. Beach
MDEQ - DW & RPD
NRC Resident Inspector
J. R. Sampson

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PDR ADDOCK 05000315
PDR

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IE23

ATTACHMENT TO AEP:NRC:1208Z

SPILL NOTIFICATION (NPDES PERMIT NO. MI 0005827)

American Electric Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



Mr. Fred Morley, District Supervisor
Surface Water Quality Division
Michigan Department of Environmental Quality
1342 SR 89 West
Suite B
Plainwell, MI 49080

April 1, 1998

Dear Mr. Morley:

Subject: Donald C. Cook Nuclear Plant
NPDES Permit No. MI 0005827

This notification is made pursuant to Cook Nuclear Plant's NPDES Permit MI 0005827, Part II. Section A. 6, Spill Notification.

On March 27, 1998 at 0820 hrs, a condensate drain valve located on the outside panel of rental plant heating boiler failed leaking a small amount of condensate on to the metal skirting surrounding the containment berm. The cracked valve leaked approximately 5 gallons of condensate past the spill containment and into the storm drain. This water eventually discharges to Lake Michigan via Outfall 001s. Although the discharge was minimal, Stormwater Outfall 001s discharge was analyzed for ethanolamine and hydrazine. The results indicated 22 ppb hydrazine and 3.38 ppm ethanolamine. We estimate that approximately 0.000000917 lbs. of hydrazine and approximately 0.000141 lbs. of Ethanolamine were released to the lake during the event. The discharge intermixed with the beach sand along Lake Michigan and will naturally break down in the environment. This spill does not pose a threat to the environment or public health or safety.

The heating boiler was immediately shut down to depressurize the system. The failed condensate valve was repaired. The storm drain catchbasin's contents were pumped out and properly disposed.

Ms. Margaret Fields of the MDEQ Plainwell Office was notified of the spill at 10:02 hrs on March 27, 1998. The protective shielding that prevents snow and cold air from the underside of the boiler trailer has been modified to allow the containment berm to catch any future leaks that would occur if this valve were to fail again.

Should you have any questions, please contact me at (616) 465-5901 ext. 1153.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J.P. Carlson', is written over a horizontal line.

John P. Carlson
Environmental Compliance Supervisor

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Mr. Fred Morley

Re: Cook Nuclear Plant
NPDES Permit No. MI 0005827

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 cursive script, appearing to read "J.R. Sampson", with a long horizontal flourish extending to the right.

J.R. Sampson
Plant Manager