

# CATEGORY 1

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ACCESSION NBR: 9808070053      DOC. DATE: 98/07/31      NOTARIZED: NO      DOCKET #  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315  
       50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
 AUTH. NAME      AUTHOR AFFILIATION  
 SAMPSON, J.R.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: NPDES noncompliance notification: on 980623, ice-making sys's  
 discharge line developed leak & oversprayed containment  
 spillings approx 50 gallons. Caused by vibration & wear  
 against line. Discharge line supports have been redesigned.

DISTRIBUTION CODE: IE23D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 6  
 TITLE: Environmental Event Report (per Tech Specs)

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July 31, 1998

AEP:NRC:1208AB

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 OF SODIUM TETRABORATE TO THE GROUND  
NPDES NOTIFICATION

Indiana Michigan Power Company is the holder of National Pollutant Discharge Elimination System (NPDES) permit number MI0005827 for Donald C. Cook Nuclear Plant. Section 5.4.2 to part II of appendix B (environmental technical specifications) to facility operating licenses DPR-58 and DPR-74 requires reports of non-routine events that are reportable to state agencies to be submitted to the NRC.

In a letter dated July 1, 1998, the Michigan Department of Environmental Quality (MDEQ) was notified of a spill of a weak sodium tetraborate solution to the ground. The notification of this spill was provided to MDEQ per part II, section A.6 of the NPDES permit. In accordance with the environmental technical specifications, a copy of the report is provided to the NRC.

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

Sincerely,

A handwritten signature in cursive script that reads 'John R. Sampson'.

J. R. Sampson  
Site Vice President

/jmc

Attachment

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PDR ADDCK 05000315  
S PDR

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IE23

U.S. Nuclear Regulatory Commission  
Page 2

AEP:NRC:1208AB

cc: J. A. Abramson  
MDEQ - DW & RPD  
NRC Resident Inspector  
C. J. Paperiello

bc: T. P. Beilman  
S. J. Brewer/M. S. Ackerman/W. T. MacRae  
J. J. Euto  
M. J. Gumns  
D. R. Hafer/K. R. Baker  
PRONET - w/attachment  
J. F. Stang, Jr., NRC - Washington, D.C. - w/attachment  
J. S. Wiebe

ATTACHMENT TO AEP:NRC:1208AB

NPDES NOTIFICATION

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

July 1, 1998

Dear Mr. Morley:

Subject: Donald C. Cook Nuclear Plant  
NPDES Permit No. MI0005827

This written notification is provided per NPDES Permit MI0005827, Part II, Section A.6, Spill Notification, which requires that all spills to the surface or groundwaters of the state be reported.

Cook Nuclear Plant has installed a temporary, skid-mounted, ice-making system to replenish the borated ice in the plant's ice condensers. The skid has been provided with a spill containment system.

On June 23, 1998, at 1900 hrs, the ice-making system's discharge line, containing a weak sodium tetraborate solution, developed a leak and oversprayed the containment, spilling approximately 50 gallons to the ground. We calculate that approximately 0.7 lbs. of boron and 0.8 lbs. of sodium were discharged to the ground.

When the leak was discovered, the system was shut down and the leak was stopped. The leak was repaired prior to restarting the system. The cause of the leak was excessive vibration and wear against the discharge line. The discharge line supports have been redesigned to prevent excessive wear on the line.

On June 26, 1998, at 1410 hrs, the ice-making system's discharge line, containing a weak sodium tetraborate solution, was accidentally cut during work to improve the system design. The cut leaked approximately 30 gallons to the ground. We calculate that approximately 0.5 lbs. of boron and 0.5 lbs. of sodium were discharged to the ground. The line was replaced and the system was realigned to prevent further failures. The ground where the spill occurred was excavated and properly disposed.

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

Sincerely,

  
John P. Carlson  
Environmental Compliance Manager

/tlm

Mr. Fred Morley  
Page 2  
July 1, 1998

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.

  
J. R. Sampson  
Site Vice President