

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9809290179      DOC. DATE: 98/09/21      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  
 POWERS, R.P.                    Indiana Michigan Power Co.  
 RECIP. NAME                    RECIPIENT AFFILIATION  
                                  Records Management Branch (Document Control Desk)

SUBJECT: Informs of 980828 notification to Michigan Dept of Environ  
 Quality of spill of boiler water containing hydrazine &  
 ethanolamine & update of earlier spill of Mobil DTE 797 oil.  
 Enclosed are copies of notifications.

DISTRIBUTION CODE: IE23D    COPIES RECEIVED: LTR 1 ENCL 1    SIZE: 9  
 TITLE: Environmental Event Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD3-3 PD	1    1	STANG, J	1    1
INTERNAL:	<u>FILE CENTER 01</u> RGN3	1    1 1    1	OGC/HDS3	1    1
EXTERNAL:	NOAC	1    1	NRC PDR	1    1

NOTE TO ALL "RIDS" RECIPIENTS:  
 PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS  
 OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL  
 DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTTR    7    ENCL    7

C  
A  
T  
E  
G  
O  
R  
Y  
  
1  
  
D  
O  
C  
U  
M  
E  
N  
T



September 21, 1998

AEP:NRC:1208AD

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 AND UPDATE TO PREVIOUS SPILL 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 that reports of events that are reportable to other agencies be provided to the NRC.

In a letter dated August 28, 1998, the Michigan Department of Environmental Quality (MDEQ) was notified of a spill of boiler water containing hydrazine and ethanolamine. In a separate letter dated August 28, 1998, MDEQ was notified of an update regarding an earlier spill of Mobil DTE 797 oil. In accordance with the environmental technical specifications, copies of the notifications are provided to the NRC.

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

Sincerely,

  
R. P. Powers  
Vice President

/jmc

Attachments

9809290179 980921  
PDR ADOCK 05000315  
S PDR

U. S. Nuclear Regulatory Commission  
Page 2

AEP:NRC:1208AD

cc: J. A. Abramson  
J. L. Caldwell, w/attachment  
MDEQ - DW & RPD  
NRC Resident Inspector, w/attachment  
J. R. Sampson, w/attachment

bc: T. P. Beilman, w/attachment  
E. R. Eckstein/D. R. Hafer/K. R. Baker  
J. J. Euto  
FOLIO - w/attachment  
J. B. Kingseed/G. P. Arent/M. J. Gumns  
J. F. Stang, Jr., NRC - Washington, D.C. - w/attachment

ATTACHMENT 1 TO AEP:NRC:1208AD

LETTER PROVIDING NOTIFICATION OF SPILL

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

August 28, 1998

Dear Mr. Morley:

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

As required by NPDES Permit MI0005827, Part II. Section A.6. Spill Notification, this written notification is being provided.

During a routine review of the alternate heating boiler logbooks on August 18, 1998, environmental personnel discovered that a spill had occurred during an equipment drain at the site. On August 1, 1998, plant personnel were preparing the alternate heating boiler for maintenance. This involved draining the boiler contents to Outfall 00C the plant forebay. The boiler contents were analyzed for suspended solids prior to draining for NPDES compliance. At 1350, Operations personnel began to drain approximately 4,000 gallons of water to Outfall 00C. A small leak in the blowdown drain line was noted during the drain. The boiler water from this leaked to an isolated catch basin used for chemical unloading. The drain was stopped and the supervisor was notified. Due to a misunderstanding between Operations and Chemistry Departments, a Operation's supervisor allowed the drain to continue without notifying the Environmental Department. This allowed approximately 100 gallons of heating boiler water to drain into the chemical unloading area catch basin. The boiler water contained approximately 5.2 ppb hydrazine and 9.9 ppm ethanolamine.

Environmental technicians, unaware of the spill, drained the catch basin twice during the week of August 3-7 after heavy rainfalls to the storm drain system. The drained storm water is routinely tested for pH and visual observation for oil sheen, turbidity, color, foams or settleable solids. The rainfall during the next week diluted the spill as evidenced by the pH of the sample falling within the limits of 6.0 to 8.5, normal pH of heating boiler water would be >9.8. We do not believe there was any harm to the environment due to the low levels of the chemicals involved.

We are currently investigating preventive actions that can be implemented to prevent such an event from occurring again.

If 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.

J. P. Carlson  
Environmental Compliance Supervisor

c: Jenny Molloy - MDEQ Plainwell

Mr. Fred Morley  
Page 2  
August 28, 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

ATTACHMENT 2 TO AEP:NRC:1208AD

LETTER PROVIDING UPDATE REGARDING PREVIOUS SPILL



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

August 28, 1998

Dear Mr. Morley:

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

The purpose of this letter is to provide you with an update regarding our June 25, 1998 spill notification letter.

It was initially estimated that approximately 780 gallons of Mobile DTE 797 oil was spilled to Lake Michigan over a 24-hour period. During the follow-up investigation of the incident, we estimate the duration of the release to be less than 20 hours, from late June 16 to June 17. Our revised estimate of the quantity of non-hazardous, Mobil DTE 797 lubricating oil released from the Unit Two northeast Main Turbine Lube Oil Cooler is 164 gallons. Of that quantity, we believe that less than 10 gallons were discharged to Lake Michigan.

Based on visual observations in Lake Michigan, associated wind direction and shoreline evaluation, the total amount of oil recovered from the Unit Two's discharge vault, and the total amount of oil recovered from the spill, we believe our current release estimates to be more accurate than originally reported.

If 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.C.', is positioned above the typed name of the sender.

J. P. Carlson  
Environmental Compliance Manager

Mr. Fred Morley  
Page 2  
August 28, 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