

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9607150239      DOC. DATE: 96/07/12      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  
 FITZPATRICK, E.      American Electric Power Co., Inc.  
 RECIP. NAME      RECIPIENT AFFILIATION  
                     Document Control Branch (Document Control Desk)

SUBJECT: Provides notification of periodic chemical addition,  
effecting turbine room sump outfall.

DISTRIBUTION CODE: A001D      COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6  
 TITLE: OR Submittal: General Distribution

NOTES:

RECIPIENT ID CODE/NAME	COPIES	L	T	ENCL	RECIPIENT ID CODE/NAME	COPIES	L	T	ENCL
PD3-1 LA	1		1		PD3-1 PD	1		1	
HICKMAN, J	1		1						
INTERNAL: <u>FILE CENTER 01</u>	1		1		NRR/DE/EMCB	1		1	
NRR/DRCH/HTCB	1		1		NRR/DSSA/SPLB	1		1	
NRR/DSSA/SRXB	1		1		NUDOCS-ABSTRACT	1		1	
OGC/HDS2	1			0					
EXTERNAL: NOAC	1		1		NRC PDR	1		1	

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

NOTE TO ALL "RIDS" RECIPIENTS:  
 PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,  
 ROOM OWFN 5D-5 (EXT. 415-2083) TO ELIMINATE YOUR NAME FROM  
 DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 12 ENCL 11

0 72000000

American Electric Power  
1 Riverside Plaza  
Columbus, OH 43215 2373  
614 223 1000



July 12, 1996

AEP:NRC:1208Q

Docket Nos.: 50-315  
50-316

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Donald C. Cook Nuclear Plant Units 1 and 2  
PERIODIC CHEMICAL ADDITION

The attached notification is forwarded for your information pursuant to Appendix B of the Donald C. Cook Nuclear Plant Environmental Technical Specifications. The subject of this notification concerns a periodic chemical addition which will affect the turbine room sump outfall.

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

Sincerely,

A handwritten signature in dark ink, appearing to read 'E E Fitzpatrick', is written over the typed name.

E. E. Fitzpatrick  
Vice President

jen

Attachment

c: A. A. Blind  
G. Charnoff  
H. J. Miller  
NFEM Section Chief  
NRC Resident Inspector - Bridgman  
J. R. Padgett

9607150239 960712  
PDR. WADOCK 05000315  
P PDR

1001  
1/1

ATTACHMENT TO AEP:NRC:1208Q

LETTER: D. M. FITZGERALD TO F. MORLEY,  
DATED JULY 1, 1996

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



Mr. Fred Morley, Surface Water Quality Division  
Mr. Thomas Leep, Waste Management Division  
Michigan Department of Environmental Quality  
621 North Tenth Street  
P.O. Box 355  
Plainwell, MI 49080

July 1, 1996

Subject: NPDES Permit MI0005827

Dear Messrs. Morley and Leep:

As required by Part II.A.2 of the Cook Nuclear Plant National Pollutant Discharge Elimination System (NPDES) Permit No. MI0005827, we are providing notification of a periodic chemical addition which will affect Outfall 00D, Turbine Room Sump.

Betz Depositrol 855D will be used to clean the Plant Heater Drain Sump Pumps. Cleaning is required due to calcium carbonate scale which builds up in the pump casings and associated piping. The associated sumps discharge to the plant Turbine Room Sump, and are neutralized if necessary before being discharged via Outfall 00D.

A similar notification was made on January 15, 1995, to use Betz Depositrol 855D to clean calcium carbonate deposits from the Heater Drain Sump Pumps, which are failing at a high rate due to a calcium carbonate buildup on the casing and impellers. The January 15, 1995 notification contained a plan to add Depositrol 855D on a monthly schedule to the sumps. Due to persistent pump failures, we have found it necessary to increase the addition from monthly to daily.

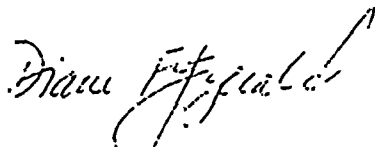
Betz Depositrol 855D will be added to each of two separate sumps on an as needed basis (approximately daily.) We estimate that up to one gallon of 855D will to be added to each sump per treatment. The total estimated volume of Depositrol 855D used per year is approximately 365 gallons. The deposits removed by this operation, consisting mainly of sodium chloride, sodium carbonate, and calcium carbonate, will be discharged via Outfall 00D. A dilution flow of approximately 250 gallons per minute will be achieved.

Page 2  
Mr. Fred Morley  
Re: NPDES Permit MI0005827

A copy of the Material Safety Data Sheet (MSDS) for Depositrol 855D is attached. Proprietary MSDS information has been previously sent to your office from Betz.

Please contact John Carlson at (616) 465-5901 ext. 1153 with any questions you may have regarding this notification.

Sincerely,

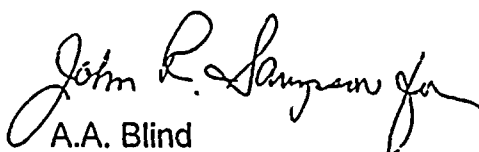
A handwritten signature in cursive script, appearing to read "D.M. Fitzgerald", with a long, sweeping flourish extending upwards and to the right.

D.M. Fitzgerald  
Environmental, Safety and Health Superintendent

c: S. Heaton, GLEAS SWQD-Lansing  
D. MacKenzie-Taylor, WMD-Lansing  
M. Fields, SWQD-Plainwell  
T. Unseld, WMD-Plainwell

Page 3  
Mr. Fred Morley  
Re: NPDES Permit MI0005827

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.A. Blind  
Site Vice President

bc: A.A. Blind  
J.P. Carlson  
S.J. Brewer  
C.E. Hawk  
W.T. MacRae  
B.K. Zordell