

CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9708250101 DOC. DATE: 97/08/19 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME: AUTHOR AFFILIATION
 FITZPATRICK, E. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards notification to MI Dept of Environ Quality, dtd
 970722 re Unit 1 (outfall 001) analyzer calibr drift, per
 NPDES Permit MI0005827, Part II, A.5.

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

NOTES:

	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTTR	ENCL		LTTR	ENCL
	PD3-3 PD	1	1	HICKMAN, J	1	1
INTERNAL	<u>FILE CENTER</u> OR RGNS	1	1	OGC/HDS2	1	1
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. 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

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



August 19, 1997

AEP:NRC:1208U

Docket No.: 50-315

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

Gentlemen:

Donald C. Cook Nuclear Plant Unit 1
NATIONAL POLLUTANT DISCHARGE ELIMINATION
SYSTEM (NPDES) PERMIT NO. MI0005827
EXCEEDED CHLORINATION

The attached notifications are forwarded for your information pursuant to Cook Nuclear Plant's NPDES Permit MI0005827, Part II, A.5.

Attachment 1 is our notification to the Michigan Department of Environmental Quality (MDEQ), dated July 22, 1997, regarding unit 1 (outfall 001) analyzer calibration drift. Attachment 2 is our notification to the MDEQ, dated July 25, 1997, regarding exceedence of total residual oxidant in the daily continuous chlorination of the unit 1 circulating water system.

Should you have any questions or concerns regarding these notifications, please contact John Carlson at 616/465-5901, Ext. 1153.

Sincerely,

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

E. E. Fitzpatrick
Vice President

vlb

Attachments

cc: A. A. Blind
A. B. Beach
MDEQ - DW & RPD
NRC Resident Inspector
J. R. Padgett

11/ IE23

9708250101 970819
PDR ADOCK 05000315
S PDR



ATTACHMENT 1 TO AEP:NRC:1208U

DONALD C. COOK NUCLEAR PLANT UNIT 1
JULY 22, 1997, NOTIFICATION TO MDEQ



Mr. Fred Morley
Plainwell District Office, SWQD
Michigan Department of Environmental Quality
1342 M-89 West, Suite B
Plainwell, Michigan 49080

July 22, 1997

Subject: Cook Nuclear Plant National Pollutant Discharge Elimination
System Permit No. MI0005827

Dear Mr. Morley:

This notification is made pursuant to Cook Nuclear Plant's NPDES Permit MI0005827, Part II, A.5.

On July 14, 1997, the Unit 1 (outfall 001) analyzer was calibrated as part of the twice-weekly calibration schedule. When the evaluation of calibration data was completed on July 18, 1997, it was determined that the analyzer had drifted in a non-conservative direction. It is estimated that the readings logged on July 13, 1997, were actually 20 times higher than indicated. Therefore, the three readings of 6, 15, and 20 $\mu\text{g/l}$ were calculated to be 120, 300, and 400 $\mu\text{g/l}$, respectively. The daily maximum intermittent value is estimated to be 273 $\mu\text{g/l}$. The Total Residual Oxidant daily maximum intermittent limit for Outfall 001 is 200 $\mu\text{g/l}$, with a single sample limit of 300 $\mu\text{g/l}$.

The exceedence occurred during intermittent chlorination on July 13, 1997, from 1050 to 1130 EDT. There was no exceedence of the continuous chlorination limit.

The analyzer was recalibrated and returned to service on July 14, 1997. The cause of the analyzer drift is under investigation.

Please contact John Carlson at (616) 465-5901, ext 1153, with any questions you have.

Sincerely,

A handwritten signature in cursive script, reading 'Diane M. Fitzgerald', is written over the typed name.

Diane M. Fitzgerald
Environmental Affairs Manager

Mr. Fred Morley

Page 2

July 22, 1997

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", followed by a comma and the word "for".

J. R. Sampson
Plant Manager

Mr. Fred Morley
Page 3
July 22, 1997

bc: ~~MIS~~Ackerman
J. P. Carlson
C. E. Hawk
D. O. Morley
B. K. Zordell

ATTACHMENT 2 TO AEP:NRC:1208U

DONALD C. COOK NUCLEAR PLANT UNIT 1
JULY 25, 1997, NOTIFICATION TO MDEQ

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



Mr. Fred Morley
Plainwell District Office, SWQD
Michigan Department of Environmental Quality
1342 M-89 West, Suite B
Plainwell, Michigan 49080

July 25, 1997

Subject: Cook Nuclear Plant National Pollutant Discharge Elimination
System Permit No. MI0005827

Dear Mr. Morley:

This notification is made pursuant to Cook Nuclear Plant's NPDES Permit MI0005827, Part II, A.5.

On July 21, 1997, during the daily continuous chlorination of the Unit One Circulating Water System, the Outfall 001 daily maximum was measured at 0.013 ppm Total Residual Oxidant (TRO). This value exceeds the permit limit of 0.006 ppm TRO as described in Special Condition 13 of the Cook Nuclear Plant's NPDES Permit MI0005827. Chlorination was terminated upon discovery of the exceedence.

The cause of the exceedence was a failed back pressure regulator. The regulator adjusting device on the sodium hypochlorite feed pump skid loosened due to mechanical vibration. As a corrective measure, all back pressure regulators associated with the chlorination system were modified to protect them from similar failures caused by mechanical vibration.

Please contact John Carlson at (616) 465-5901, ext 1153, with any questions you have.

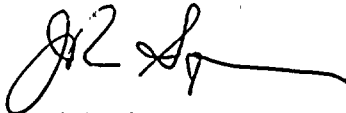
Sincerely,

A handwritten signature in cursive script, reading 'Diane M. Fitzgerald', is written over the typed name.

Diane M. Fitzgerald
Environmental Affairs Manager

Mr. Fred Morley
Page 2
July 25, 1997

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 black ink, appearing to read 'JR Sampson', with a long horizontal flourish extending to the right.

J. R. Sampson
Plant Manager

Mr. Fred Morley
Page 3
July 25, 1997

bc: M. S. Ackerman
J. P. Carlson
C. E. Hawk
D. O. Morey
B. K. Zordell
MDEQ File