

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9712150403 DOC. DATE: 97/12/09 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.E Indiana Michigan Power Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: NPDES noncompliance notification: on 971108 plant personnel chlorination sys was shut down 971108 at 9:00am due to valve lineup error made during startup of continuous chlorination after shutdown. Continuous chlorination resumed 971108.

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TITLE: Environmental Event Report (per Tech Specs)

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



December 9, 1997

AEP:NRC:1208W

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
CHLORINATED WATER DISCHARGE
NPDES NOTIFICATION

The attached notification is forwarded for your information pursuant to Cook Nuclear Plant's Appendix B (Environmental) technical specifications. The subject concerns the inadvertent discharge of chlorinated water without performing required sampling and analysis, and the actions taken to mitigate the situation.

Should you have any questions or concerns regarding this notification, please contact James T. Weber at 616/697-5075.

Sincerely,

A handwritten signature in cursive script, reading "E E Fitzpatrick".

E. E. Fitzpatrick
Vice President

/vlb

Attachment

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

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PDR ADDCK 05000315
S PDR

IE231

150032



ATTACHMENT TO AEP:NRC:1208W

NPDES NOTIFICATION

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



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

November 12, 1997

Subject: Donald C. 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 November 8, 1997, during continuous chlorination of the Service Water Systems, plant personnel inadvertently discharged a portion of chlorinated Service Water to Outfall 002 for approximately nine hours without performing the required sampling and analysis for Total Residual Oxidant. These samples were missed due to a valve lineup error made during the startup of continuous chlorination after a short shutdown for general maintenance on the Circulating Water System.

Shortly after the lineup was corrected, a sample was taken from the Outfall 002 discharge sample point at 10:15 a.m. on November 8, 1997. The sample measured 0.07 ppm Total Residual Oxidant (TRO), which exceeded the 0.036 ppm maximum discharge limit.

The condition was discovered during a tour by plant personnel at which point the chlorination system was shut down November 8, 1997 at 09:00 a.m. Shortly after the discovery, the valve was repositioned to prevent discharge from Outfall 002 and direct all the Service Water to the Outfall 001, where circulating water dilution is present. Continuous chlorination resumed November 8, 1997 at 09:45 a.m.

A briefing was held by the plant personnel involved with chlorination to emphasize the importance of checking the Circulating Water System valve lineup prior to commencing chlorination as required in their procedure. The chlorination procedure includes steps to ensure that proper valve lineups have been performed to avoid NPDES exceedences.

Mr. Fred Morley
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The Service Water System flows have been calculated to be approximately 24 MGD per unit. This is a slight portion of the normal circulating water flow of 1415 MGD for Outfall 002. This discharge caused no detrimental effects to the environment due to the small discharge flow and the large discharge piping (18' dia x 0.5 miles long). Normal water column demand for chlorine would have reduced the concentration to <.001 ppm by the time the flow reached Lake Michigan.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'John Carlson', with a long horizontal flourish extending to the right.

John Carlson
Environmental Compliance Supervisor

Mr. Fred Morley
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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
Plant Manager