

CATEGORY 1

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 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 CARLSON, J. P. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 MORLEY, F. Michigan, State of

SUBJECT: NPDES noncompliance notification: on 990909, unnatural
 turbidity was observed at Cook Plant Outfall 001 & 002.
 Caused by bentonite clay being fed into discharge vaults
 during molluscicide treatment. Terminated clay feed.

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RECEIVED

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Plant
Bridgman, MI 49106
616 465 5901



Mr. Fred Morley, District Supervisor
Surface Water Quality Division
Michigan Department of Environmental Quality
1342 SR M89 West Suite B
Plainwell MI 49080

September 10, 1999

Dear Mr. Morley:

Re: Cook Nuclear Plant
NPDES Permit MI0005827

This notification is provided as required by Part I, Section A.1
(a.) (c.) of NPDES Permit MI0005827.

On September 9, 1999, at 0810 hours, unnatural turbidity was
observed at Cook Plant Outfall 001 and 002. (Condenser Cooling
Water and Miscellaneous Low Volume Waste) the turbidity was
observed during a molluscicide treatment being performed at the
Cook Nuclear Plant, in accordance with the conditions of our
NPDES permit.

On September 8 - 9 from 1816 hours to 0540 hours, Betz-Dearborn
CT-2 was applied for zebra mussel control in plant raw water
systems. The observed turbidity was caused by bentonite clay
being fed into the discharge vaults for Units 1 and 2, during the
molluscicide treatment. Clay is used to satisfy the NPDES Permit
detoxification requirements. Clay feed was terminated at 1010
hours on September 9.

The turbidity observed during the molluscicide treatment was
expected, since similar observations have been made during
previous treatments. Preventive actions are not possible due to
the detoxification requirements contained in the NPDES permit.
We continue to work with the MDEQ Surface Water Quality permit
writer to delete this requirement for this treatment.

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

Sincerely

John P. Carlson
Environmental Superintendent

C: ~~Nuclear-Regulatory-Commission~~

9909200077 990910
PDR ADOCK 05000315
S PDR

Mr. Fred Morley

September 10, 1999

NPDES Notification of Turbidity at Outfall 001 and 002.

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.



T. P. Noonan
Plant Manager

