

# CATEGORY 1

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ACCESSION NBR: 9909200077    DOC. DATE: 99/09/10    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  
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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SECRET

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

