

# CATEGORY 1

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ACCESSION NBR: 9907190078      DOC. DATE: 99/07/09      NOTARIZED: NO      DOCKET #  
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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 990707, unnatural turbidity was observed at Outfall 002. Caused by bentonite clay being fed into discharge vaults during molluscicide treatment. Clay feed was terminated on 990708.

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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

July 9, 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.

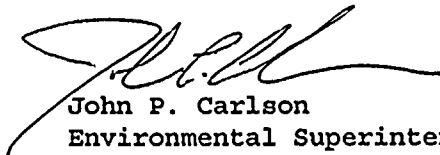
On July 7, 1999, at 1245 hours., unnatural turbidity was observed  
at Cook Plant Outfall 002 (Condenser Cooling Water and  
Miscellaneous Low Volume Waste.) the turbidity was observed  
during a molluscicide treatment being performed at the Cook  
Nuclear Plant, in accordance with the conditions of our NPDES  
permit. 11

On July 7, 1999 from 1042 to 2252 hrs., 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 0200  
hours on July 8. cool

The turbidity observed during the molluscicide treatment was  
expected, since similar observations have been made during  
previous treatments. Preventive actions are not possible to the  
detoxification requirements contained in the NPDES permit.

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

Sincerely

  
John P. Carlson  
Environmental Superintendent

C: Nuclear Regulatory Commission

S:\enviro-1\correspondences\surface water\turbidity 002.doc

9907190078 990709  
PDR ADDCK 05000315  
S PDR

Mr. Fred Morley

July 9, 1999

NPDES Notification of Turbidity at Outfall 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

