

# CATEGORY 1

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 FITZPATRICK, E.      Indiana Michigan Power Co.  
 RECIP.NAME      RECIPIENT AFFILIATION  
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SUBJECT: Forwards, for info, notification, requesting approval to  
 to increase monoethanolamine concentration limit from 50 to  
 100 ppm, per App B of DC Cook Nuclear Plant, Units 1 & 2.

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



March 18, 1998

AEP:NRC:1208X

Docket Nos.: 50-315  
50-316

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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Washington, DC 20555-0001

Gentlemen:

Donald C. Cook Nuclear Plant Units 1 and 2  
NATIONAL POLLUTANT DISCHARGE ELIMINATION  
SYSTEM (NPDES) (PERMIT NO. MI005827) NOTIFICATION

The attached notification is forwarded for your information pursuant to appendix B of Cook Nuclear Plant's environmental technical specifications. The subject of this notification is a request for approval to increase monoethanolamine concentration limit from 50 to 100 ppm.

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

Sincerely,

E. E. Fitzpatrick  
Vice President

/vlb

Attachment

c: J. A. Abramson  
A. B. Beach  
MDEQ - DW & RPD  
NRC Resident Inspector  
J. R. Sampson

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PDR ADDCK 05000315  
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ATTACHMENT TO AEP:NRC:1208X

NATIONAL POLLUTANT DISCHARGE ELIMINATION  
SYSTEM (NPDES) (PERMIT NO. MI005827) NOTIFICATION

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



Mr. Fred Morley  
Surface Water Quality Division  
MDEQ  
1342 SR89 West Suite B  
Plainwell, Michigan 49080

Mr. Tom Leep,  
Waste Management Division  
MDEQ  
621 North Tenth St.  
Plainwell, Michigan 49080

December 9, 1997

Subject: Donald C. Cook Nuclear Plant  
NPDES Permit No. MI005827

Dear Messrs. Morley and Leep:

As required in Part I.A.1.d. of the Cook Nuclear Plant National Pollutant Discharge Elimination System (NPDES) Permit No. MI0005827, we are requesting approval to increase the discharge concentration of a water treatment additive.

Monoethanolamine (ETA) is used during to control corrosion in the Steam Generators. However, we are unable to achieve the necessary pH levels for wet layup conditions with the current ETA system concentration limit of 50 ppm. Our calculations indicate that by raising the concentration limit to 100 ppm, Steam Generator pH can be maintained at greater than 9.8, which is the best range for corrosion control for this system. The Steam Generator drain frequencies and volumes included in previous groundwater and surface water discharge applications will remain the same.

Thank you in advance for processing this request in a timely manner. Should you have any questions, please contact me at (616) 465-5901 Ext. 1153.

Sincerely,



John Carlson  
Environmental Compliance Supervisor

c: M. Fields - Plainwell  
S. Heaton - Lansing  
T. Unseld - Plainwell  
D. Mackenzie-Taylor - Lansing

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NPDES Permit No. MI0005827  
December 9, 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.

  
J. R. Sampson  
Plant Manager

