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Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
AEP.com

June 13, 2007

AEP:NRC:2401-17

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

Cook Nuclear Plant Units 1 and 2
SUBMITTAL OF NON-COMPLIANCE NOTIFICATION FOR
NPDES PERMIT MI0005827


In a letter dated June 5, 2007, Indiana Michigan Power Company, the licensee for Cook Nuclear Plant (CNP) Units 1 and 2, submitted a non-compliance notification for National Pollutant Discharge Elimination System Permit MI0005827 to the Michigan Department of Environmental Quality. On June 1, 2007, a plume from Stormwater Outfall 002S was observed in Lake Michigan. The source of the plume was from cooling system flushing operations. The flush water had mixed with the surrounding gravel and created turbid water that then overflowed the filter fence area of a main drain into a storm drain that did not have filter fabric on it. A plume was created when the turbid water was discharged to the lake. The failure was due to excessive flush water flow rates and clogged filter fabric on the main drains. The flushing operations were stopped until remediations to the system could be made.

The filter fabric was replaced over the main drains, and the flushing rate was reduced. The flushing operation was placed back into service with no further issues.

In accordance with Section 3.2 of Part II of Appendix B of the Environmental Technical Specifications for CNP, a copy of the notification is included as an attachment to this letter.

This letter contains no new commitments. Should you have any questions or concerns regarding this notification, please contact Jon H. Harner, Environmental Manager, at (269) 465-5901, extension 2102.

Sincerely,


Joseph N. Jensen
Site Vice President

JEN/rdw

Attachment

C 001

NRR

c: J. L. Caldwell – NRC Region III
K. D. Curry - AEP Ft. Wayne, w/o attachment
J. T. King – MPSC, w/o attachment
MDEQ – WHMD/RPMWS, w/o attachment
NRC Resident Inspector
P. S. Tam – NRC Washington DC

ATTACHMENT TO AEP:NRC:2401-17

NON-COMPLIANCE NOTIFICATION FOR
NPDES PERMIT MI0005827



Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106

Mr. Greg Danneffel, District Supervisor
Michigan Department of Environmental Quality
Surface Water Quality Division
7953 Adobe Road
Kalamazoo, MI 49009

June 5, 2007

Dear Mr. Danneffel:

Re: Donald C. Cook Nuclear Plant
NPDES Permit MI0005827

This notification is provided as required by Part I, Section A.9.h, 1 and 2, of NPDES Permit MI0005827.

On June 1, 2007, at 1230 hours, a plume was observed from Stormwater Outfall 002S. The plume was approximately 300' x 6' in size in Lake Michigan. The lake conditions were calm, which prevented the plume from mixing.

The source of the plume was from cooling system flushing operations. The flush water had mixed with the surrounding gravel and created turbid water that then overflowed the filter fence area into a storm drain that did not have filter fabric on it. The discharge to the lake had turbidity in it, creating the plume. The cause of the failure was due to excessive flush water flow rates, and clogged filter fabric on the drains. The flushing operations were stopped until remediations to the system could be made.

The filter fabric was replaced over the main drains, and the flushing rate was reduced. The flushing operation was placed back into service with no further issues.

Should you have any questions, please contact me at (269) 465-5901, extension 2102.

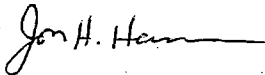
Sincerely,

Jon H. Harner
Environmental Manager

BKZ/jen

Mr. Greg Danneffel
Stormwater outfall turbidity
June 5, 2007
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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.



Jon H. Harner
Environmental Manager