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 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
 BAKER, D.L. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION
 MORLEY, F. Michigan, State of

SUBJECT: NPDES noncompliance notification: on 920624, grab sample of
 Outfall 002 circulating water discharge indicated TRC
 concentration of 0.33 mg/l. Caused by flow balance between
 plant sys. Unit 1 in shutdown condition.

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Mr. Fred Morley, District Supervisor
Surface Water Quality Division
Michigan Department of Natural Resources
621 North 10th Street
P. O. Box 355
Plainwell, MI 49080

June 29, 1992

Dear Mr. Morley:

RE: Cook Nuclear Plant
NPDES Permit No. MI005827

On June 24, 1992, at 0905 EDT, during intermittent chlorination of the plant service water systems, a grab sample of Outfall 002, circulating water discharge was analyzed for total residual chlorine (TRC). The analysis indicated a TRC concentration of 0.33 mg/l. The sodium hypochlorite flow to the systems was immediately reduced. At 0945 hours, a grab sample analysis indicated the concentration of TRC had decreased to 0.15 mg/l. The daily value for TRC during the time of chlorination was 0.19 mg/l.

The flow balance between plant systems has been identified as a contributing factor to the event. Presently, Unit One is shutdown for a refueling outage, while Unit Two is in the process of increasing power after refueling outage. Chlorine demands may have fluctuated due to varying service water systems flow conditions.

By copy of this letter, the Nuclear Regulatory Commission is notified pursuant to the requirements of Appendix B, Part II, Nonradiological, Environmental Protection Plan, Section 3.2.

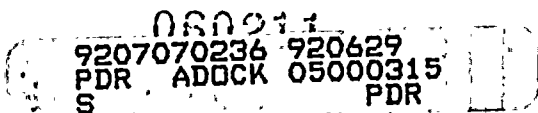
Very truly yours,

A handwritten signature in cursive script that reads 'Donald L. Baker'.

Donald L. Baker
Environmental Affairs Director

DLB/sdb/051

c: NRC Document Control
A. B. Davis - NRC, Region III
J. A. Isom - NRR Resident Inspector



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June 29, 1992
Fred Morley, District Supervisor
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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.


Donald L. Baker