

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO:

Mr. J. G. Keppler

FROM:

Indiana & Michigan Power Company
Bridgman, Michigan
R. W. Jurgensen

DATE OF DOCUMENT

6/11/76

DATE RECEIVED

6/17/76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

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☒ COPY☒ UNCLASSIFIED

DESCRIPTION

Ltr. re their 6/7/76 report.....Licensee
Event Report (RO 50-315/76-02) on 5/19/76
concerning condenser being in violation of
appendix B tech spec sec. 2.1.1.2(i).

(2-P)

PLANT NAME:

Cook #1

ENCLOSURE

Do Not Remove

ACKNOWLEDGED

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

SAFETY

FOR ACTION/INFORMATION

ENVIRO 6/18/76

RJL

☒ BRANCH CHIEF: Kniel
W/3 CYS FOR ACTION
☒ LIC. ASST: J. Lee
W/1 CYS
ACRS 16 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

☒ REG FILE
☒ NRC PDR
☒ I & E (2)
☒ MIPC (3)
☒ SCHROEDER/IPPOLITO
☒ HOUSTON
☒ NOVAK/CHECK
☒ GRIMES
☒ CASE
☒ BUTLER
☒ HANAUER
☒ TEDESCO/MACCARY
☒ EISENHUT
☒ BAER
☒ SHAO
☒ VOLLMER/BUNCH
☒ KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

☒ LPDR: St. Joseph, Mi.
☒ TIC
☒ NSIC

CONTROL NUMBER

6152

6/11/76

6/17/76

One signed

Indiana & Michigan Power Company
Bridgman, Michigan
R. W. Jurgensen

Mr. J. G. Yeppler

Mr. re their 6/7/76 report.....Michigan
Invest Report (RO 50-315/76-02) on 5/19/76
concerning condenser being in violation of
Appendix B tech spec sec. 2.1.1.2(i).

(2-p)

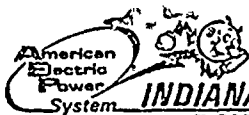
Good #1

6/18/76 RUL

Kniel

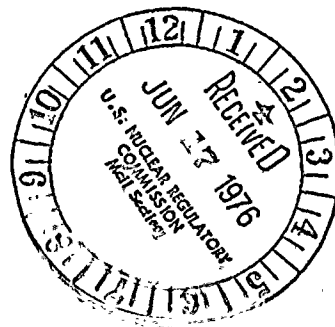
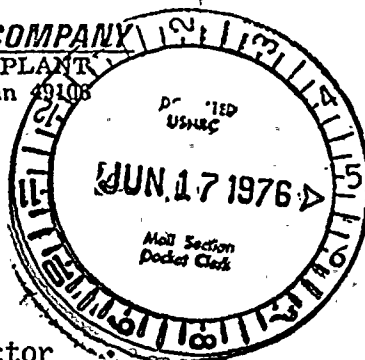
J. Lee

St. Joseph, MI.



INDIANA & MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49108



June 11, 1976

Mr. J.G. Keppler, Regional Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Regulatory Docket File

Operating License DPR-58
Docket No. 50-315
AEO No. 50-315/76-02

Dear Mr. Keppler:

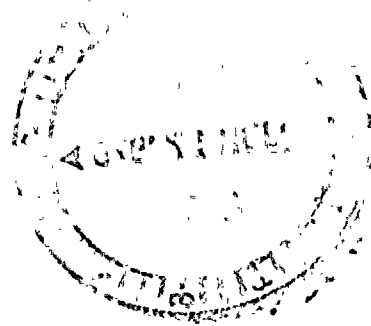
On June 7, 1976, we reported that condenser ΔT had been between 230°F and 24.250°F for approximately 4.5 hours in violation of Appendix B Technical Specifications Section 2.1.1.2(i). This event actually occurred on May 19, 1976, but at the time of the event it was believed that condenser ΔT had not exceeded the Technical Specification limit and, therefore, did not require reporting. Subsequent investigation revealed that a report would be required.

While operating at 75% reactor power the circulating water pumps discharge pressure was 3.1 psig and the flow rate was 602,000 gpm with two circulating water pumps running. At the time the temperature rise as calculated from the indicated temperatures was 19.50°F. However, the electronic average as indicated on the recorder and which also gives the ΔT alarm function was indicating 16.60°F.

At this time the circulating water system condenser discharge valves were throttled to lower the flow rate. The flow rate was lowered to 508,000 gpm and circulating water pumps discharge pressure of 7.5 psig. The ΔT at this time as calculated from the indicated temperatures was 24.250°F. The electronic average at this time indicated 20.80°F and no alarm was received. The ΔT remained between 23.10°F and 23.60°F for four and a half hours. For the next four hours the ΔT was between 22.00°F and 23.00°F. At this time the circulating water system condenser discharge valves were opened to increase the flow rate and the ΔT was brought down to 20.00°F.

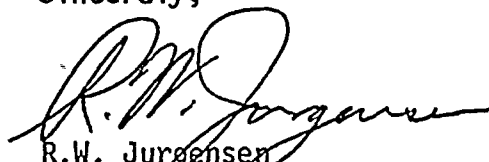
Investigation revealed that the inlet thermocouples for the average circuit had wet junctions which caused the indicated average to read out in error. The junctions were dried out and coated with varnish to prevent their getting wet in the future.

6152



The average ΔT over the four and a half hours as calculated from the inlet and outlet temperature indications was 23.6°F and the maximum was 24.25°F. Surveillance of the lake environment as described in Appendix B, Technical Specifications Section 4.1.2.1 has shown no adverse effects to the aquatic biota.

Sincerely,



R.W. Jurgensen
Plant Manager

/bab

cc: R.S. Hunter
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