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SUBJECT: Clarifies comments in Safety Insp Repts 50-315/92-17 & *Report* I
 50-316/92-17 on 920804-07 re tritium migration in aquifer of
 plant & surrounding communities. Forwards "Hydrogeologic
 Evaluation of Cook Nuclear Plant, Bridgman, MI." D

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AEP:NRC:1175B

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
EVALUATION OF TRITIUM MIGRATION IN THE AQUIFER OF
THE COOK NUCLEAR PLANT AND SURROUNDING COMMUNITIES

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

ATTN: A. B. Davis

October 8, 1992

Dear Mr. Davis:

This letter is being sent to you to clarify several comments in the routine safety inspection report 315/92017; 316/92017 for the Donald C. Cook Nuclear Plant dated August 21, 1992. The inspection covered the period August 4 through 7, 1992.

Open item 2 (315/90012-02; 316/90012-02), pages 2 and 3, of the inspection report, refers to our evaluation of tritium migration from the onsite absorption pond due to releases from the turbine room sump. The report states in part:

"Water samples taken during the late summer/early fall of 1991 indicated possible tritium migration to wells assumed to be unaffected in the hydrology study. In response to this conflict, a new hydrology study has been commissioned, and all onsite wells are now monitored as part of the licensee's Radiological Environmental Monitoring Program."

We wish to clarify the underlined statement above. In our AEP:NRC:1164 letter dated September 24, 1991, we submitted our report of tritium migration in the aquifer of the Donald C. Cook Nuclear Plant and surrounding communities. This report was based on a hydrology study dated April 1991. Unrelated to the tritium migration issue, another hydrology study commenced in May of 1991 to renew our groundwater discharge permit with the Michigan Department of Natural Resources (MDNR). During the hydrology

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Mr. A. B. Davis

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study conducted for the MDNR, water samples obtained in the late summer/early fall of 1991 indicated absorption pond influence at the southern portion of the plant site boundary. This conclusion was finalized in December of 1991 when the hydrology report for the MDNR was completed.

No new hydrology study is being performed nor is one planned. The "conflict" referred to in the inspection report was addressed in our December 23, 1991, letter based on the December 1991 hydrology report. To aid in the closure of this open item, we have enclosed the December 1991 hydrology report.

In addition, not all on-site wells are monitored as part of our Radiological Environmental Monitoring Program (REMP). There are a total of 22 wells for monitoring purposes on-site, some wells serve dual purposes. Thirteen wells are specifically monitored for REMP purposes; 8 are for National Pollutant Discharge Elimination System (NPDES) purposes, 5 are for fuel oil tank remediation purposes, and 4 are for steam generator storage facility leakage detection.

We also wish to clarify item 5 on page 4 of this inspection report. It is stated that our goal for personnel contamination events is 217; however, the present goal is 246.

Sincerely,



E. E. Fitzpatrick
Vice President

edg

Enclosure

cc: D. H. Williams, Jr.
A. A. Blind - Bridgman
J. R. Padgett
G. Charnoff
NFEM Section Chief
NRC Resident Inspector - Bridgman