

PRELIMINARY NOTIFICATION

Date: February 20, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-80-31A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: American Electric Power Service Corporation
Indiana and Michigan Power Company
D. C. Cook, Unit 2
Docket No.: 50-316
Bridgman, Michigan

Subject: LOSS OF OFF SITE POWER (UNPLANNED RADIOACTIVE RELEASE)

There was an unplanned radioactive release associated with the reactor trip/loss of off-site power event reported in PNO-III-80-31 on February 19, 1980. At the time of the reactor trip a secondary system efficiency test was in progress. A radioactive tracer material (sodium 24) had been added to the secondary system to aid in determining flow rates at various points in the secondary system. Thus, when the secondary system atmospheric relief valves lifted some of this sodium 24 tracer material was released to the atmosphere.

Worst case calculations, by the licensee, assuming that all four atmospheric relief valves remained open at full flow for the entire relief period of one hour and ten minutes, result in the following release indications:

- 1.09 E-5 curies total release.
- 7.23 E-12 micro curies/cc.
- .14 percent of Technical Specification allowable.

The present plant status is as follows: The reactor is at 100 percent power; the Moisture Separator Reheaters are operating in the automatic mode; the turbine vibrations are normal at 1 to 1½ mils and remaining constant.

The State of Michigan is being notified.

No news release has been made by the licensee or Region III.

This information is current as of 8:00a.m. on February 20, 1980.

Contact: D.C. Boyd, RIII, 384-2546; R.E. Masse, Resident Inspector, 616/465-6775.

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