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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Nonroutine Environmental Operating Report No. 50-219/79-1

Report Date

August 7, 1979

Occurrence Date

July 25, 1979 to July 26, 1979

Time of Occurrence

20:15 to 03:45

Identification of Occurrence

Violation of a limiting condition for operation as per Technical Specifications, Appendix "B", paragraph 2.1.3.1. This event is considered to be a nonroutine environmental operating report as defined in the Technical Specifications, Appendix "B", paragraph 5.6.2.

Conditions Prior to Occurrence

The plant was operating at steady state power.

Dilution Pump Flow: 5.20×10^5 gpm
Circulating Pump Flow: 4.60×10^5 gpm
Power: Reactor 1900 MWt
Electrical 640 MWe

Description of Occurrence

At approximately 0900 hours on July 26, 1979, a discrepancy was discovered between the condenser discharge temperature recorder and the output of the microprocessor used to provide logging and alarm of the thermal data.

Upon investigation, it was determined that the processor was reading 2.6°F. lower than the recorder and since Operations personnel were using the processor output to comply with the Environmental Technical Specifications, the limit for the condenser discharge temperature was exceeded. This limit of 106°F. was exceeded between 2015 hours on July 25, 1979, and 0345 hours on July 26, 1979. A peak (15 minute average) temperature of 106.7°F. occurred between 2330 hours and 2345 hours on July 25, 1979.

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Apparent Cause of Occurrence

A Hewlett Packard mini processor is used to monitor the outputs of the environs temperature sensors. Calibration of the condenser discharge temperature monitoring channel indicated that the millivolt to current component of the channel was providing a "low" output. Consequently, the mini processor which reads the millivolt/current component also displayed a "low" output. Upon obtaining the results of the calibration (July 26, 1979) and reviewing the output of the mini processor for the period of discussion, it was determined that the actual discharge temperature did exceed 106.0°F.

Analysis of Occurrence

During this occurrence, no unusual environmental effects were observed. The Technical Specifications allow for exceeding 106°F. in the event of a need for emergency power. Under an emergency need for power, the Technical Specifications allow a discharge temperature of 110°F. It should be noted that an emergency need for power did exist at the time.

Corrective Action

Immediate corrective action was to notify Operations personnel that the mini processor output of 103.7°F. corresponds to a discharge temperature of 106.0°F. Correction factors were subsequently programmed into the processor to achieve the required accuracy.

Failure Data

N/A

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