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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/79-30/3L-0

Report Date

September 24, 1979 (Revised Attachment)

Occurrence Date

August 12, 1979

Identification of Occurrence

"A" Control rod drive pump was removed from service for repair of pump vent piping. This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.b.2.

Conditions Prior to Occurrence

The plant was operating at steady state power.

Power: Generator, 645 MWe
Reactor, 1907 MWt
Flow: Recirculating, 15.4×10^4 gpm
Feedwater, 7.137×10^6 lb/hr
Stack Gas Activity: 2.79×10^4 μ Ci/sec

Description of Occurrence

On August 12, 1979, at 0331 hours, "A" control rod drive pump was removed from service due to excessive leakage from the pump vent piping. The piping was found to be cracked at the bushing where it enters the pump casing. After completion of the corrective maintenance, "A" CRD pump was placed into service at 1300 hours on the same date.

Apparent Cause of Occurrence

Vent piping was found to be cracked at the bushing where it enters the pump casing at the inboard end. The cracking appears to be caused by an operator using the vent line as a foot support.

Analysis of Occurrence

In addition to supplying drive cooling and accumulator charging pressure, the control rod drive hydraulic system can provide high pressure coolant injection

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capability. For break sizes up to 0.002 ft.², a single control rod drive pump with a flow of 110 gpm is adequate for maintaining the reactor water level nearly five feet above the core, thus alleviating the necessity for electromatic relief valve actuation. The safety significance of this event is considered to be minimal, since the redundant CRD pump was operable.

Corrective Action

"A" CRD pump was removed from service and isolated. The bushing and a short pipe nipple in the inboard casing vent line were replaced. "A" CRD pump was placed in service after corrective maintenance. A memorandum will be issued stressing that operators should not use small piping as a foot support.

Failure Data

Not applicable.