

PRELIMINARY NOTIFICATION

Date: July 7, 1981

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-81-56B

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: Northern States Power Company
Prairie Island - Unit 2 (Docket No. 50-306)

Subject: SHUTDOWN IN EXCESS OF 48 HOURS-INABILITY TO MANUALLY ROTATE REACTOR COOLANT PUMP (UPDATE OF PNO-III-81-56A)

Reactor coolant pump No. 21 was removed from the primary coolant system, decontaminated and disassembled for inspection. The pump impeller was found to be worn on one side and the pump shaft was found to be scored. The pump shaft was found to be bent approximately 0.100 inch in the labyrinth seal area, and a circumferential crack was found just below the main bearing on 7/6/81. The crack proceeds down approximately 1/2 inch from the first shoulder below the main radial bearing, then radially approximately 70-75% through the shaft thickness. The program for metallurgical examination has not been decided upon by the licensee. The pump is a standard Westinghouse design and the pump shaft material is specified in the FSAR to be Type 347 stainless steel. The plan for pump replacement has not been formulated. The length of outage is unknown, but expected to be extensive. The reactor had been shutdown on 6/11/81 and remains in cold shutdown, utilizing one RHR loop to remove decay heat. The other RHR loop is available if needed.

Region III Resident Inspectors are onsite following the activities. Westinghouse representatives are onsite.

The licensee issued a press release following the shutdown. Region III will respond to any press inquiry.

The State of Minnesota is being notified.

Region III received this information from the Resident Inspectors and the information is current as of 9:30 a.m. on July 7, 1981.

RCL
Contact: W. S. Little, 312/932-2540; *XCR* R. C. Knop, 321/932-2547



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