LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | N J O C P 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T 01 | REPORT SOURCE L (6) | 0 5 0 0 0 2 1 9 (7) | 0 7 3 0 7 9 (8) | 1 1 1 3 7 9 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation, a technician discovered that the "A" control
03 rod drive pump was spraying water through its seal. "B" CRD pump was
04 put into service and "A" CRD pump was secured and isolated for main-
05 tenance. Safety significance of this event is considered minimal since the
06 redundant pump was operable.
07
08

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	R B (11)	E (12)	F (13)	P U M P X X (14)	B (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 9	—	0 2 4	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	N (25)	C 6 7 2

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause is attributed to failure of the mechanical seal. The inboard
11 mechanical seal and inboard bearing were replaced according to CRD Pump
12 Maintenance Procedure 716.1.003.
13
14

15	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	0 9 8 (29)	NA	A (31)	Technician observation.

16	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

17	NUMBER	TYPE	DESCRIPTION (39)
	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

18	NUMBER	DESCRIPTION (41)
	0 0 0 (40)	NA

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LOSS OF OR DAMAGE TO FACILITY (43)

19	TYPE	DESCRIPTION
	Z (42)	NA

7911190387

PUBLICITY

20	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	Y (44)	Weekly news release.	

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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/79-24/3L-0

Report Date

November 13, 1979

Occurrence Date

July 30, 1979

Identification of Occurrence

Violation of the Technical Specifications, paragraph 3.4.D.2, when one control rod drive pump was inoperable. This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.b.2.

Conditions Prior to Occurrence

The plant was operating at steady state power. The major parameters at the time of occurrence were:

Power:	Generator, 636 MWe
	Reactor, 1896.4 MWt
Flow:	Recirculating, 15.6×10^4 gpm
	Feedwater, 7.095×10^6 lb/hr
Stack Gas:	2.79×10^4 µci/sec

Description of Occurrence

On July 30, 1979, at approximately 1030 hours, an instrument technician, while performing routine maintenance, discovered that the "A" control rod drive pump was spraying water through its seal. At 1300 hours, the "B" CRD pump was put into service, the "A" CRD pump was secured and isolated for maintenance. The "A" CRD pump was tested and returned to service on August 2 at approximately 0820 hours and "B" CRD pump was put in standby.

Apparent Cause of Occurrence

Component failure was the apparent cause of occurrence.

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Analysis of Occurrence

In addition to supply drive cooling and accumulator charging pressure, the control rod drive hydraulic system can provide high pressure coolant injection capability. For break sizes up to 0.002 $ft.^2$, a single control rod drive pump with flow of 110 gpm is adequate for maintaining the reactor water level nearly five feet above the core, thus alleviating the necessity for auto relief actuation. The safety significance of this event is considered to be minimal, since the redundant CRD pump was operable. However, the system was in a degraded mode for a period of three days permitted by a limiting condition for operation.

Corrective Action

The inboard mechanical seal and inboard bearing were replaced according to CRD Pump Maintenance Procedure 716.1.003.

Failure Data

Worthington 2-WT-810 10 Stage Diffuser Pump
Seal-John Crane Type 8B1

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