	LICENSEE EVENT REPORT
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	REPORT L 6 0 5 0 0 2 1 9 7 1 1 2 6 7 8 8 1 2 2 7 8 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
0 2	On November 26, 1978, while performing the containment spray system auto
03	actuation test, containment spray pump 51C failed to start on signal. On
0 4	subsequent attempts to start the system, 51C started each time. While
05	performing the diesel generator auto actuation test on December 2, con-
06	tainment spray pump 51A failed to start. In subsequent tests, there were
07	pump motor power circuit breakers.
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10	The cause of the failure is attributed to excessive friction in the
	bearings for the trip bar in the circuit breakers. The circuit breakers
12	for the affected pumps were disassembled and the trip bar bearings were
13	cleaned and lubricated.
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7 8	9 METHOD OF DISCOVERY DESCRIPTION (32) 10 12 NA 44 45 45 46
A 1 6 7 8	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36 NA 44 45 NA 30
17	PERSONNEL EXPOSURES NUMBER 0 0 0 37 Z 38 NA
18	NUMBER DESCRIPTION (4) NA
7 8	9 11 12 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA 781.22909.9
2 8	9 10 PUBLICITY NRC USE ONLY NRC USE ONLY
2 0	Y 44 Weekly news release - December 26, 1978 IIIIIIIIIIIIIIIII 9 10 78 69 80.5
	NAME OF PREPARER Donald A. Ross PHONE B



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OYSTER CREEK NUCLEAR GENERATING STATION Forked River, New Jersey 08731

Licensee Event Report Reportable Occurrence No. 50-219/78-30/3L-0

Report Date

December 22, 1978

Occurrence Date

November 26, 1978

Identification of Occurrence

Failure of containment spray system II pump 51C to start during a system automatic actuation test. 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 in a refueling shutdown.

Reactor mode switch in shutdown. Source range monitors - 30 cps. All control rods at 00. Reactor water level - 165 inches. Reactor coolant temperature - 160°F.

Description of Occurrence

On Sunday, November 26, 1978, containment spray system II pump 51C failed to start when a simulated high drywell pressure was applied to drywell pressure sensors. The failure occurred during the performance of the containment spray system automatic actuation test. On subsequent attempts to start the system, pump 51C started each time. The surveillance test was completed with no additional discrepancy items.

On Saturday, December 2, 1978, a similar failure occurred in containment spray system I when containment spray pump 51A failed to start during performance of the diesel generator automatic actuation test. In subsequent tests, there were no further pump breaker failures. Investigation indicates a similar problem with both pump motor power circuit breakers. Reportable Occurrence No. 50-219/78-30/3L-0 December 22, 1978

Apparent Cause of Occurrence

The apparent cause of the failure is attributed to greater than normal friction in the bearings for the trip bar in the circuit breaker for pump 51C.

Analysis of Occurrence

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The containment spray system is provided to remove heat energy from the containment in the event of a loss-of-coolant accident. The flow from one pump in either loop is more than ample to provide the required heat removal capability. The loss of the operation of one of the four containment spray pumps is considered to have minimal safety significance.

Corrective Action

The circuit breakrs for the affected containment spray pumps were disassembled and the trip bar bearings were cleaned and lubricated. As part of the critical corrective action, the outer two (2) trip bar bearings were disassembled/ inspected and the bar rotated approximately 30° to check for greater than normal friction on the two (2) inner trip bar bearings. This trip bar rotation is limited to 30° by the latch mechanism.

Based on the preventative maintenance performed on the containment spray breakers during the 1978 outage, we consider the breakers fully operable. But to preclude the potential for a similar failure, all 460 V. containment spray pump breakers and core spray pump 460 V.breakers will be disassembled with all four (4) trip bar bearings removed to further insure that no greater than normal friction exist in any trip bar bearings. This will be completed by February 1, 1979. Additionally, the scope of the preventative maintenance program concerning these breakers will be amplified to require complete disassembly/inspection of all breaker trip bar bearings.

Failure Data

General Electric Low voltage circuit breaker Type AK-2A-50 Frame size 1500 amps No. 20AA1392-214-CC