

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 N Y I P S 2 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

N/T 1 L 6 0 5 0 0 0 2 4 7 7 0 3 3 1 8 3 8 0 4 3 0 8 3 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

2 During steady state operation the operator attempted to start No. 23 safety

3 injection pump. No. 23 SI pump motor breaker failed to closed and the pump was

4 declared inoperable. SI pumps No. 21 and 22 were tested and available. No. 23 SI

5 pump motor breaker was replaced with a spare, the pump was tested satisfactorily and

6 was available within the time allowed by Tech. Spec. 3.3.A.2. The health and safety

7 of the public were unaffected.

9 E B 11 E 12 A 13 C E T B R K 14 A 15 Z 16

17 8 3 0 0 9 0 3 L 0

18 X 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 N 25 W 1 2 0 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 A Westinghouse type DB50-480VAC circuit breaker was found to have a seized closing

11 solenoid, preventing electrical closure of the breaker. The breaker was replaced

12 with a spare and the affected breaker repaired, re-installed and successfully tested.

13 All safeguards DB50 and 75 breakers were inspected for similar problems and none

14 was found.

5 E 28 1 0 0 29 NA 30 A 31 Operator Observation 32

6 Z 33 Z 34 NA 35 NA 36

7 0 0 0 37 NA 38 NA 39

8 0 0 0 40 NA 41

9 Z 42 NA 43

10 N 44 NA 45

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PDR ADOCK 05000247
S PDR

NRC USE ONLY

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ATTACHMENT

Docket 50-247
LER 83-009/03L-0

Consolidated Edison Co. of New York, Inc.
Indian Point Station Unit 2

No. 23 Safety Injection pump motor breaker was found to have its moving core (solenoid) captured in the closed or nearly closed position even though the breaker main poles were fully open. This condition prevented relatching of the closing mechanism and operation of the control relay release lever. The release lever remained in the breaker closed position and reenergizing the closing solenoid was prevented. Upon disassembly and inspection friction was discovered between the main core and the brass tube which surrounds it. Evidence that foreign material had entered the closing mechanism was also present. Since a recent breaker modification had required drilling and tapping directly above the closing mechanism, an inspection and cleaning program was instituted on 480V AC Westinghouse DB 50 and DB 75 type breakers to insure they were not susceptible to similar failures. The closing solenoid of all normally open breakers were verified to be in the correct position. Sixty modified breakers and two that were not modified were inspected and cleaned. None showed any sign of excessive wear and no foreign material was found in critical areas in any breakers inspected. Some foreign material was found in modified and non modified breakers in non-critical locations (i.e., not likely to cause any interference with the closing mechanism) in nine of the inspected breakers.

As a result of the inspection and cleaning program all affected breakers were left in a clean condition with no foreign material in a position to affect closing coil operation. The origin of the foreign material which caused the problem on the No. 23 pump motor breaker could not be determined.

Breaker P.M. procedures are being revised to include similar inspections. The need to assure that cleanliness is maintained in work areas, especially in the 480V switchgear area, was reenforced with the affected organizations.