

LICENSEE EVENT REPORT

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

1 N Y I P S 3 0 0 - 0 0 0 0 0 - 0 0 0 4 1 1 1 1
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58 9

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 6 7 0 2 0 3 7 8 8 0 2 1 7 7 8 9
8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During normal operation, a water inventory balance indicated leakage of
0 3 reactor coolant within containment. Investigation revealed a packing leak
0 4 from a valve associated with the RTD manifold of RCS Loop No.33. In at-
0 5 tempting to isolate the manifold by closing the root valve in the common
0 6 return to the intermediate leg, a packing leak developed at the root valve.
0 7 Combined leakage from both valves was in excess of Tech.Spec. limit 3.1.F.
0 8 5. The unit was then brought to the cold shutdown condition for repairs. 90

0 9 SYSTEM CODE C J 11 CAUSE CODE E 12 CAUSE SUBCODE B 13 COMPONENT CODE V A L V F X 14 COMP. SUBCODE F 15 VALVE SUBCODE D 16
7 8 9
17 LER/RO REPORT NUMBER 7 8 21 22 EVENT YEAR 23 SHUTDOWN METHOD A 21 HOURS 0 1 7 1 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. Y 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER R 3 4 0 2
7 8 9 33 34 ACTION TAKEN A 18 FUTURE ACTION Z 19 EFFECT ON PLANT A 20 SHUTDOWN METHOD A 21 HOURS 0 1 7 1 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. Y 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER R 3 4 0 2

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Leakage of reactor coolant was the result of packing leaks from valves
1 1 565C (Rockwell, 2-inch, Dwg. D-464532) and 571C (Velan, 3-inch, Dwg.
1 2 88406). Valve 565C was repacked. The stem of valve 571C was renewed,
1 3 and the valve was repacked prior to its return to service.

1 4 80

1 5 FACILITY STATUS E 28 % POWER 0 2 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Water Inventory Balance 32
7 8 9 10 12 13 44 45 46 80

1 6 ACTIVITY RELEASED Z 33 CONTENT Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41
7 8 9 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 80

2 0 PUBLICLY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 80

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PDR ADOCK 05000286
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NRC USE ONLY

John M. Makepeace

914-739-8823

517-725

ATTACHMENT I

Docket No. 50-286

LER-78-003/01T-0

Consolidated Edison Co. of N.Y., Inc.
Power Authority of the State of N.Y.
Indian Point Unit No. 3

On February 2, 1978, while at a steady state power level of 91%, a water inventory balance showed a reactor coolant leakage rate of 1.86 gallons per minute. A containment entry was made to determine the source of the leak. Leakage was discovered from the packing of a 2-inch Rockwell globe valve (plant designation 565C) associated with the RTD manifold of reactor coolant loop No. 33. Load was then reduced to approximately 130 MW (20% power), so that the RTD loop could be isolated and the valve backseated.

In attempting to isolate the manifold by closing the root valve (plant designation 571C) in the common return line to the intermediate leg, a packing leak developed in the root valve. Combined leakage from the two valves was calculated on February 3, 1978, to be 10.84 gallons per minute, which is in excess of the limits set forth in Technical Specification 3.1.F.5.

The unit was then removed from service, brought to the cold shutdown condition, and drained down for repairs.

Valve 565C was repacked, and valve 571C, upon investigation, was discovered to have a sheared stem which required replacement of the stem. Valve 571C was also repacked prior to its return to service.

Component data for the two valves in question are as follows:

Valve 565C is a 2-inch, Rockwell Manufacturing Company, stainless steel, globe stop valve, manually operated, pressure-rated at 1500 psi, drawing number D-464532.

Valve 571C is a 3-inch, Velan Engineering Companies, stainless steel, manual gate valve, pressure-rated at 1500 psi, drawing number 88406.

RECEIVED DOCUMENT
CONTROL DESK

1978 FEB 21 PM 4 04

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