

"UPDATE REPORT - PREVIOUS LICENSEE EVENT REPORT REPORT DATE - OCTOBER 4, 1978"

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

01 | N | Y | I | P | S | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 05

01 | L | 0 | 5 | 0 | 0 | 0 | 2 | 4 | 7 | 7 | 0 | 9 | 2 | 0 | 7 | 8 | 0 | 1 | 1 | 2 | 7 | 9

02 | While at cold shutdown for a maintenance outage, a leak was discovered
03 | in an elbow connection between containment isolation valves (plant
04 | designations 743 and 1870) in a recirculation path from the Residual
05 | Heat Removal Pumps. Both valves were closed, thereby isolating the
06 | leak for repairs. This event is reportable under the provisions of
07 | Technical Specification 6.9.1.7.1(c).

09 | C | F | 11 | E | 12 | C | 13 | P | I | P | E | X | X | 14 | A | 15 | Z | 16 | 17 | 7 | 8 | 0 | 2 | 8 | 0 | 1 | X | 1 | 1 | A | X | Z | Z | 0 | 0 | 0 | 0 | Y | N | N | X | 9 | 9 | 9

10 | Visual examination of the internal surface indicated cavitation and/or
11 | impingement erosion was responsible for the observed leaks. The af-
12 | fected section was removed and replaced. The line and associated valves
13 | were successfully hydrostatic and leak tested and returned to service.
14 | A study has been initiated to determine if a redesign would preclude re-
currence.

15 | G | 0 | 0 | 0 | NA | B | Visual Observation

16 | Z | Z | NA | NA

17 | 0 | 0 | 0 | Z | NA

18 | 0 | 0 | 0 | NA

19 | Z | NA

20 | N | NA

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ATTACHMENT I

Docket No. 50-247

Consolidated Edison Co. of N.Y., Inc.

LER-78-028/01X-1

Indian Point Unit No. 2

On September 20, 1978, while in the cold shutdown condition for a scheduled maintenance outage, a leak was discovered in an elbow connection between containment isolation valves in a recirculation path from the residual heat removal pumps. These valves are plant-designated 743 and 1870 (reference U.E. & C Dwg. No. 9321-F-2720). In order to isolate the leak, both of these isolation valves were closed. Further investigation revealed a number of pinhole leaks at the elbow. An attempt to repair the affected area was unsuccessful, thus necessitating removal of that section of piping between the two valves. The removed section was analyzed, and the cause of this event was determined to be cavitation and/or impingement erosion.

To facilitate replacement and to minimize personnel exposures, a prefabricated section of piping containing a new elbow and a manual valve replacement for valve 743 was installed. This section of piping included the section of piping downstream of valve 1870 up to and including the upstream bolted flange for flow element 642. Following installation of this new piping section, the line was successfully hydrotested at 625 psig. Appendix J Type "C" tests were also satisfactorily performed on the new manual globe valve 743. As a result of the analysis performed on the affected section of piping, a study has been initiated to determine if a redesign would preclude recurrence.

This event is of the type described in Technical Specification 6.9.1.7.1(c).