



ATTACHMENT I

Docket No. 50-247

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

LER-78-009/01X-1

Indian Point Unit No. 2

During the 1978 Refueling Outage a program for functionally testing hydraulic snubbers was conducted. Of 439 snubbers tested approximately one third were found to be outside the acceptance limits established by Con Edison for piston movement, lock-up rate or bleed. This event is reportable under the provisions of Technical Specification 6.9.1.7.1(i).

The unit was in the refueling mode during the snubber test program, therefore, no immediate action was required. Additional hydraulic snubbers were functionally tested during the refueling outage as required by the Technical Specifications.

The hydraulic snubbers were manufactured by Bergen-Paterson Pipe Support Corporation. Those found to be outside the acceptance range were Models HSSA-3, HSSA-10, HSSA-20 and HSSA-50. These snubbers are located in various systems throughout the plant.

Disassembly and internal inspection of the defective snubbers revealed mechanical defects and wear within the components including the following:

- Cylinder and accumulator tubes and glands scored or pitted
- Pistons and rings worn or scored
- Poppet valves dirty
- Accumulator springs broken
- Mechanical fasteners loose

All of the snubbers failing to meet the functional test acceptance criteria were replaced with new or rebuilt units which had been functionally tested prior to installation.

During the 1979 Refueling Outage, the program for functionally testing hydraulic snubbers in accordance with the Technical Specifications revealed no snubbers outside acceptance limits.