

ATTACHMENT

Docket No. 50-247
LER No. 82-031/99X-0

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

On August 11, 1982 the NRC resident inspector was notified of an unidentified service water leak within containment evidenced by an increased containment sump collection rate coupled with an increase in NaCl concentration. This event is reportable in accordance with the requirements of NRC Bulletin 80-24.

Containment was entered to investigate the cause and it was observed that the leak was in the horizontal section of the inlet service water line to No. 25 Fan Cooler Motor Cooler. The leak rate was measured to be approximately 0.3 gpm which is under the Technical Specifications limits. While the horizontal flexible hose leak was being measured the vertical flexible hose on the inlet side was observed to be leaking a minuscule amount.

On August 12, 1982, the reactor was brought to hot shutdown for unrelated reasons.

On August 14, 1982, the two sections of flexible hoses on the inlet of No. 25 Fan Cooler Motor Cooler were replaced. When this work was done it was discovered that a pin hole leak existed in the vertical section of the outlet from No. 25 Fan Cooler Motor Cooler. Inspections of similar flexible hoses on all other fan cooler units revealed pin hole leaks on the horizontal hose sections of the inlet and the outlet from No. 23 Fan Cooler Unit Motor Cooler, and these flexible hoses were also replaced. Thus a total of five sections of flexible hoses were found to have leaks and were replaced. Leakage from the flexible hoses was not a measurable amount except for the 0.3 gpm leakage from the inlet horizontal flexible hose of No. 25 Fan Cooler Motor Cooler.

On August 15, 1982, replacement of the five flexible hose sections was completed and the reactor was returned to power operation.

The flexible hose material is Monel 400 which is designed for the type of salt water service in the Indian Point Service Water System. Samples of the failed flexible hose sections were sent to a Company laboratory for metallurgical analysis. The initial laboratory finding was that the pin hole leaks were caused by under-deposit corrosion which resulted in local-

ized pitting. Further analysis is in progress to determine the corrodent. When the necessary information has been received and evaluated appropriate long term corrective action will be formulated and an update to this report will be made.

In the interim period, all flexible hoses in service will be closely inspected on each biweekly containment entry until the forthcoming refueling outage scheduled for September 17, 1982. In addition, the weekly chemical sampling of the containment sump for NaCl concentration has been increased to daily. Containment sump collection rate will continue to be closely monitored