

CO INQUIRY REPORT NO. 50-247/71-03

Subject: CONSOLIDATED EDISON COMPANY (INDIAN POINT NO. 2)
Docket No. 50-247
License No. CPPR-21
STEAM GENERATOR CLAD REPAIR

Prepared by: Glen L. Madsen
Glen L. Madsen, Reactor Inspector

9/14/71
Date

A. Date and Manner AEC was Informed:

Mr. A. Kohler, Construction Project Superintendent telephoned G. L. Madsen on September 11, 1971 to advise that bowing of the steam generator divider plates was noted following the heat treatment associated with the tube sheet clad repair.

B. Description of Particular Events or Circumstances:

1. Status of Steam Generator Clad Repair
 - a. Clad welding completed on all four units
 - b. Units 21, 23, and 24 - Heat treatment completed
 - c. Unit 22 - Heat treatment in progress
2. Inspection of Steam Generators 21, 23 and 24

Following heat treatment, the divider plates of steam generator 21 and 23 were observed to be bowed. The maximum deflections were one inch and two inches, respectively. Some indication of tube stub damage was observed on steam generator 23. Steam generator 24 was not sufficiently cooled following heat treatment to permit entry; however, some evidence of divider plate bowing has been observed.

C. Actions by the Licensee:

The proposed repair program includes the following:

1. Damaged tube stubs
 - a. Smooth conditions by grinding
 - b. PT tube to tube sheet welds
 - c. Plug tubes as required

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2. Divider plate bowing

- a. Jack divider plate into position
- b. PT of the divider plate to lower head weld
- c. Complete one side of the divider plate to tube sheet weld
- d. Remove jacks
- e. Back gouge weld of divider plate to tube sheet weld
- f. Weld other side of divider plate to tube sheet weld
- g. PT of weld of divider plate to tube sheet weld

Additional precautionary steps for steam generator 22.

1. Installed asbestos blankets over the divider plate and installed two thermocouples on the divider plate.