

50-247

J. J. O'Reilly, Chief, Reactor Inspection
& Enforcement Branch, CS-10

May 1, 1968

W. C. Massey, Senior Reactor Inspector
Region I, Division of Compliance

INQUIRY MEMORANDUM

**CONSOLIDATED EDISON CONCRETE, INDIAN POINT NO. 2 (IP-2) 247/68-A
POLAR CRANE RAIL CRACKS**

G. L. Sadeen, Reactor Inspector, called Mr. Corcoran, IP-2 Site Construction Engineer, to discuss the general status of construction activities. During the conversation Mr. Corcoran informed the Inspector that cracks had been discovered in the containment polar crane rail. Pertinent information on this problem is as follows:

1. Two cracks were visually observed. These cracks were determined to extend all the way through the rail.
2. Further dye penetrant inspection revealed some 15 additional, less severe, cracks.
3. A section of the rail was removed for metallurgical examination.
4. A replacement rail was ordered and, based on visual and preliminary metallurgical inspection, a decision has been made to replace the entire rail.
5. An engineering analysis is in progress to determine limitations of the polar crane usage with the present rails.
6. The cause of the cracked rail condition has not been finalized.
7. The possible effects on the construction schedule have not been determined.
8. The rails are welded to a plate imbedded in the crane support wall. The rails were installed during the winter months.

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cc: W. G. Case, DHS
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