

June 14, 1968

J. P. O'Reilly, Chief
Reactor Inspection & Enforcement Branch
Division of Compliance

JERSEY CENTRAL POWER AND LIGHT COMPANY (JERSEY CENTRAL)
CONSTRUCTION PERMIT NO. CPFR-15

NIAGARA MOHAWK POWER CORPORATION (NINE MILE POINT)
CONSTRUCTION PERMIT NO. CPFR-16

Enclosed are copies of a report covering a recent visit to the General Electric Company (G-E) offices in San Jose, California, by G. W. Reimuth. Accompanying the inspector were L. Forse, DEL and P. Patriarcha, ORNL (consultant). The information contained in the report was discussed with you, and subsequently with the ACRS, on June 7, 1968.

The principal purpose of the visit was to determine the metallurgical condition of samples taken from the stub tubes of the Oyster Creek and Nine Mile Point reactor pressure vessels. Our tentative conclusions, based on observation of these samples, are that: (1) the cladding of the Oyster Creek stub tubes has not resulted in degradation of the 304 stub tube material, and; (2) the Nine Mile Point stub tubes had not experienced intergranular corrosive attack as of early April 1968, the date the samples were taken.

STUB TUBE FIELD

The sample of the first weld made at Oyster Creek with the automatic welding machine clearly indicated poor quality due to a lack of fusion in the root pass. The welding procedure has been modified, and re-qualified in accordance with Section IX of the ASME Code, but G-E plans no additional metallurgical sampling of production field welds. We intend to review the ultrasonic testing methods and procedures developed for this weld and to press G-E for acceptance standards and rejection levels.

The disclosure by G-E of evidence of intergranular attack in the nozzle end-caps could have significant safety implications for several facilities. We would encourage DEL to request from each applicant for an operating

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license the identity and location of the 304 stainless steel materials present in a reactor pressure vessel and its attachments which have been sensitized by stress-relieving heat treatments.

Original Signed by

M. L. Ernst

for
L. Kornblith, Jr.

Assistant Director for

Technical Programs

Division of Compliance

Enclosure:

CO Rpt Nos. 219/68-3 & 220/68-3

by G. W. Reimuth, dtd 6/12/68

cc: L. B. Lev, CO, w/o encl
R. H. Hagelton, CO, w/o encl
H. G. Macalay, CO:1, w/encl
R. T. Carlson, CO:1, w/encl

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