



UNITED STATES  
ATOMIC ENERGY COMMISSION  
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JUL 9 1968

*To Carlson  
W. Mosley  
W. Kildreath*

R. S. Boyd, Assistant Director  
for Reactor Projects  
Division of Reactor Licensing

RPT 68-3

JERSEY CENTRAL POWER AND LIGHT COMPANY (OYSTER CREEK)  
DOCKET NO. 50-219

NIAGARA MOHAWK POWER CORPORATION (NINE MILE POINT)  
DOCKET NO. 50-220

The enclosed report covering a visit to the General Electric Company in San Jose, California on June 5, 1968, is forwarded for information. The visit was made to determine first-hand the metallurgical condition of samples from the Oyster Creek and Nine Mile Point reactor pressure vessels. Information contained in the report was discussed with DRL representatives, and subsequently with the ACRS, on June 7, 1968.

Based on observations of a representative number of samples and discussions with cognizant GE personnel, the following tentative conclusions were reached by Compliance:

- a. The cladding of the Oyster Creek stub tubes has not resulted in any detectable degradation of the virgin stub tube material.
- b. The acceptance standards for the new stub tube to control rod drive housing field welds are not clearly defined. This matter will be pursued by Compliance.
- c. No evidence of intergranular corrosion attack has been observed on the Nine Mile Point stub tube samples removed in April 1968.

The decision by GE to clad or replace the vessel nozzle safe-ends and to provide an additional mechanical support structure for the reactor vessel shroud at Oyster Creek is significant and demonstrates, in our view, GE's concern over the probability of further intergranular attack on sensitized stainless steel components. In view of the possible safety implications which might result from such attack, DRL may wish to consider requesting from each applicant the identity and location of 304 stainless steel materials present within the reactor vessel which may have been sensitized by stress-relieving heat treatments.

(Continued)

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- 2 -

It is to be noted that recent information from the site indicates that the general design of the shroud support structure is not in accordance with Appendix B of the enclosed report.

Original signed by  
R. H. Engelken

R. H. Engelken, Assistant Director  
for Inspection and Enforcement  
Division of Compliance

Enclosure:  
CO Reports Nos. 219/68-3  
and 220/68-3 dtd 6/12/68

cc: (w/enclosure)  
M. M. Mann, DR  
P. A. Morris, DRL  
L. D. Low, CO  
E. G. Case, DRS  
S. Levine, DRL (6)  
D. J. Skovholt, DRL (3)  
L. Kornblith, Jr., CO w/o encl  
R. W. Kirkman, CO:I w/o encl  
J. G. Davis, CO:II  
B. H. Grier, CO:III  
D. I. Walker, CO:IV  
R. W. Smith, CO:V  
DR File