

FLORIDA POWER AND LIGHT COMPANY, TURKEY POINT UNIT 3

STATUS REPORT - SEPTEMBER 1968

A. CONCRETE VOID PROBLEM

1. Two consultants were employed to review this problem: Dr. Clyde Kesler, University of Illinois; and R. E. Philleo, Chief, Research and Development and Standards Section, Army Corps of Engineers.

These consultants, in conjunction with Compliance inspectors, investigated the problem onsite and reviewed the formal report submitted by the Florida Power and Light Company on August 16, 1968. Their evaluations of the proposed repair program, submitted to the Division of Reactor Licensing on September 10, 1968, were favorable.

2. The examination program conducted by the Florida Power and Light Company involved the taking of 21 concrete core samples, 2,000 sonic examinations of the affected areas, extensive removal of questionable concrete, and detailed visual examinations. The proposed fix entails the use of high strength pressure grout which, by design, will expand by two percent upon curing, the use of shotcrete, and hand packing.
3. The Division of Reactor Licensing is currently reviewing the reports from the consultants and the Division of Compliance. A final evaluation is expected during the week of September 23, 1968.
4. There have been some overall construction delays; however, they are believed to be minor. The delays were minimized by the ability to reschedule other construction activities.
5. The foundation for Unit 4 has just been placed. The preparations for this operation, including attention to quality control, were extensive and were judged by the Division of Compliance as being satisfactory.

B. CADWELD PROBLEM

1. There was a problem on the adequacy of the Cadweld joints which mechanically join the concrete reinforcing bars. This problem has been resolved satisfactorily.

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C. GENERAL

1. There are no other significant problems at this site. The overall effects of the two problems outlined above have influenced the Florida Power and Light Company to make substantial improvements in the quality control program. The plant completion status, estimated by Compliance, is as follows:

Unit 3	-	26%
Unit 4	-	15%

Enclosure 1

OFFICE ▶						
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