

USNRC REGION II  
ATLANTA, GEORGIA



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July 13, 1979  
L-79-191

Mr. C. E. Murphy, Chief  
Reactor Construction and Engineering Support Branch  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Dear Mr. Murphy:

Re: RII:JRH  
50-389/79-08

Florida Power and Light has reviewed the subject inspection report and our response is attached. There is no proprietary information contained in the report.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU:MV:cf

cc: R. W. Wright  
Harold F. Reis, Esquire

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ATTACHMENT

RII:JRH  
50-389/79-08

INFRACTION: Curing of Concrete Test Cylinders - Failure to Follow Procedures

Procedures QI 10.71 and Specification FLO-2998-473 specify that concrete test cylinders will be cured in accordance with ASTM C-31 and ASTM C-511. The inspector found the following examples which were contrary to these requirements:

- 1) Contrary to the allowable 60 to 80 degree Fahrenheit range in ASTM C-31, on May 31, 1979, temperatures adjacent to field cured test cylinder set numbers 6147 and 6149 were 90 degrees and 86 degrees Fahrenheit respectively.
- 2) Contrary to ASTM C-511, in the laboratory curing room free water was not visible on test specimens stored along the right wall.
- 3) No documentation was available to support the 95 percent relative humidity requirement of ASTM C-511.

RESPONSE: Based on the information provided to FPL by Mr. J. R. Harris's exit interview, Construction QC determined the necessary corrective actions and took immediate steps to implement these actions. Full compliance was confirmed by Mr. R. W. Wright during the week of June 11, 1979. Corrective actions taken to resolve the above noncompliance are as follows:

- 1) Concrete test cylinders are now being molded to comply with the requirements of ASTM C-31 and C-172. In order to maintain the initial curing temperature of 60-80°F during hot weather, the concrete specimens are being molded in the concrete laboratory.
- 2) New spray heads have been installed in the laboratory curing room spray system to assure all cylinders stored in the curing room are thoroughly wetted.
- 3) The recording of humidity in the moist curing room is optional, according to ASTM C-511, only temperature recording is mandatory. However, for our own information, humidity in the curing room is now being recorded.

