



MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 8, 1982

NUCLEAR PRODUCTION DEPARTMENT

U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D. C. 20555

Attention: Mr. Harold B. Denton, Director

Dear Mr. Denton:



SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416 and 50-417
File L-860.0/0756
References 1) AECM-81/336
2) AECM-82/60
Environmental Qualification Test Program
AECM-82/137

This letter is in response to a recent verbal request by members of your staff for supplementary information regarding the environmental qualification testing of igniters which will be used in Mississippi Power & Light's (MP&L) Hydrogen Ignition System at the Grand Gulf Nuclear Station.

The igniter testing program consists of a sequence of tests as laid out below. The submergence test consists of immersing the igniters in water with the same conductivity, pH, dissolved solids and temperature as the suppression pool.

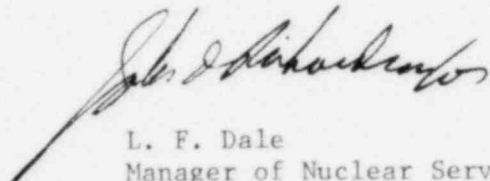
Table with 3 columns: Test, Time Required, Completion Date. Rows include Radiation Testing, Thermal Aging, Wear Aging, Seismic & Functional Tests, Submergence Test, LOCA Simulation, Hydrogen Burn.

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Please note that the environmental qualification testing program is separate from the proposed suppression pool tests discussed in reference 2. The testing discussed in reference 2 is not required for the environmental qualification of the igniters.

Yours truly,



L. F. Dale
Manager of Nuclear Services

RWE/SHH/JDR:lg

cc: Mr. N. L. Stampley
Mr. R. B. McGehee
Mr. T. B. Conner
Mr. G. B. Taylor

Mr. Richard C. DeYoung, Director
Office of Inspection & Enforcement
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