

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
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 UHRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Forwards justification for interim operation re qualification of CONAX assembly in adequate core cooling instrumentation. Test exposure to DBE/LOCA Conditions successfully completed.

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 TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:

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| INTERNAL: | ELD/HDS2 | 12 | 1 | 1 | GC | 13 | 1 | 1 |
| | IE FILE | 09 | 1 | 1 | NRR CALVO, J | | 1 | 1 |
| | NRR/DE/EQB | 07 | 2 | 2 | NRR/DL DIR | 14 | 1 | 1 |
| | NRR/DE/GRAB | 06 | 1 | 1 | NRR/DSI/AEB | | 1 | 1 |
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| EXTERNAL: | ACRS | 15 | 8 | 8 | LPDR | 03 | 1 | 1 |
| | NRC PDR | 02 | 1 | 1 | NSIC | 05 | 1 | 1 |
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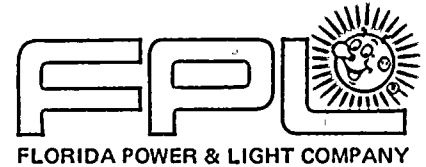
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May 31, 1983
L-83-336

Office of Nuclear Reactor Regulations
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit No. 2
Docket No. 50-389
Equipment Qualification 10 CFR 50.49

By letter L-83-329, dated May 26, 1983, Florida Power & Light Company submitted information required by 10 CFR 50.49. During your review of this submittal, additional information was requested by your staff concerning the qualification of a CONAX assembly used in the Inadequate Core Cooling instrumentation. Please find attached the requested information for your review.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/RJS/JES/cab

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

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FLORIDA POWER & LIGHT COMPANY

ST. LUCIE PLANT - UNIT NO. 2

ENVIRONMENTAL QUALIFICATION STATUS

JUSTIFICATION FOR INTERIM OPERATION

Equipment Name: Core-Exit Thermocouple (CET) Assembly external to the Pressure Vessel; MI Cabling transmitting the CET signal; and Connectors.

Purchase Order No.: Various

Manufacturer: Westinghouse; Electronic Resources; Conax

Specification No.: 13172-CCE-501

Environmental Qualification

Class 1E qualification of C-E supplied core-exit thermocouple cables for St. Lucie Unit 2 will be completed in accordance with IEEE Standards 323-1974 and 344-1975. The total system exposed to the harsh environment consists of the CET Assembly external to the vessel, the MI Cabling transmitting the CET signal, the connectors and the Conax Penetration Assembly.

Environmental Qualification Schedule

Test exposure to DBE MSLB/LOCA conditions was successfully completed. Final report will be issued by August 15, 1983. See attached Figure 1 for test exposure profile.

Justification of Interim Operation

Ruggedness of the cable system has been proven in age-conditioning and seismic tests. Similar C-E cable systems have passed the MSLB/LOCA environment exposure. The CET cables are part of the Inadequate Core Cooling System for which qualification is not required until the first refueling. C-E is confident that the subject cables will be completely qualified.

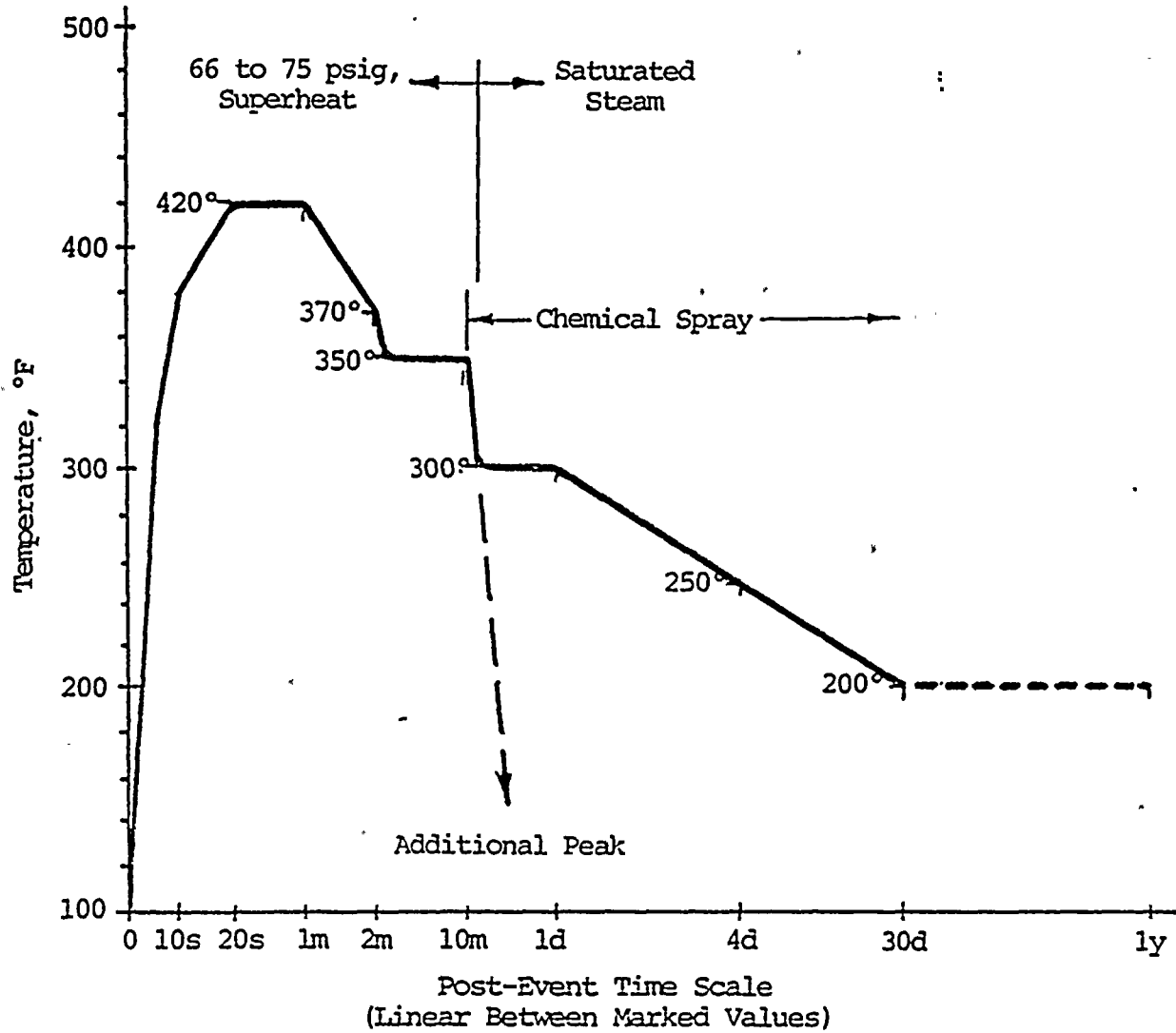
ENGINEER: P. J. Norman *P. J. Norman*

DATE: 5/27/83

INDEPENDENT REVIEWER: K. V. Margotta *K. V. Margotta*

DATE: 5/27/83

FIGURE 1
 REQUIRED TEMPERATURE PROFILE
 LOCA/MSLB TEST EVENT



Test temperature is to track above this profile, nominally by 15°F.

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