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 FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH.NAME AUTHOR AFFILIATION
 UHRIG,R.E. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Respond to NRC 820524 request for addl info re NUREG-0737,
 Items I.A.2.1, "Upgrading Senior Reactor Operator & Reactor
 Operator Training," & II.b.4, "Training to Mitigate Core
 Damage."

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 TITLE: Response to NUREG -0737/NUREG-0660 TMI Action Plan Rgmts (OL's)

NOTES:

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June 30, 1982
L-82-263

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Varga:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 and 50-251
Post-TMI Requirements
Upgrade SRO and RO Training and
Training for Mitigating Core Damage

This letter is in response to your letter of May 24, 1982 which contained a request for additional information concerning NUREG-0737 Item Nos. I.A.2.1 and II.B.4. We trust that the attached information will aid you in the completion of your review.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/PKG/mbd

Attachment

cc: J.P. O'Reilly, Region II
Harold F. Reis, Esquire
R. T. Liner, Science Applications. Inc.
1710 Goodridge Drive, McLean, VA 22120

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ATTACHMENT

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 and 50-251
Post-TMI Requirement
Upgrade SRO and RO Training and
Training for Mitigating Core Damage

Response to Request for Additional Information

1. Are the lectures and quizzes on the subject of accident mitigation given to shift technical advisors and operating personnel from the plant manager through the operations chain to the licensed operators? If they are, would you please provide the titles of the people who are trained and an organization chart which illustrates their position in the operations chain?

Response

Lectures were given to the individuals identified on the attached organization chart. Quizzes were not given to individuals in the I&C, H.P., or Chemistry departments unless they held an active NRC operator, or senior operator license. The minimum passing grade for those taking the quiz was set at 80%. Those who failed to meet this grade criteria were given additional instructions and required to pass a make-up quiz. A total of 171 nuclear plant personnel attended the lecture series, of which 63 were required to pass a quiz. Four (4) individuals required additional instruction and a make-up quiz.

2. U.S.NRC has taken a position that a minimum of 80 contact hours is required for the training subjects which involve heat transfer, fluid flow, thermodynamics and accident mitigation. Do your training and requalification programs meet this requirement. (A contact hour of instruction is a one-hour period in which the course instructor is present or available for instructing or assisting students; lecture, seminars, discussions, problem-solving sessions, and examinations are considered contact periods under this definition.)

Response

At the present time our initial training course for license candidates consist of 180 contact hours of instruction in these subjects. At the time these special topics were implemented each license holder received 128 contact hours of additional instruction in these subjects; however, our annual requalification program, after this initial up-grade, will not

consist of 80 contact hours per year on these topics. The amount of time spent will be determined on an as needed basis. Generally this will amount to around 30 contact hours per year.

3. The reactor operator requalification program identifies twenty-six reactor control manipulations which are nearly the same as those identified in enclosure 4 of the Denton letter. Will this list be expanded to address item (12), as called out in enclosure 4 of Denton's letter? If not please provide a rationale for the exception.

Response

Our Intake Cooling Water System (included on our list) performs the same function as the item identified in Mr. Denton's letter as Service Water.

4. Section 8.1.1 of the Administrative Procedure 0301 has lectures which cover the subjects of heat transfer, fluid flow, thermodynamics, and accident mitigation. Do these lectures use the same course outlines as in Sections 8.6.4 and 8.6.11 of the Administrative Procedure 0300?

Response

The same course outline is used; however, every item is not individually addressed in requalification. The emphasis is placed on those areas identified as potential weaknesses as determined by past examination results, observed weaknesses during actual operation of the plant or at the simulator, as well as any area suggested by the operating staff.

TURKEY POINT PLANT ORGANIZATION CHART



