

JULY 9 1980

Docket Nos. 50-250
and 50-251

Dr. Robert E. Uhrig, Vice President
Advanced Systems and Technology
Florida Power and Light Company
Post Office Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

On May 7, 1980 you responded to our letter of April 3, 1980 regarding the Fire Protection Program for the Turkey Point Plant Unit Nos. 3 and 4. We have completed our review of your response and find that the following items are acceptable:

- 3.1.6 Water Suppression Systems
- 3.1.7 Foam Suppression System
- 3.2.1 Smoke Detection System.
- 3.2.2 Reactor Coolant Pumps

Our evaluation of these items is in Enclosure 1 to this letter.

In the May 7, 1980 letter you also responded to the following open items:

- 3.1.2 Fire Water Supply
- 3.2.3 Water Supply
- 3.2.4 Auxiliary Building
- 3.2.5 Cable Spreading Area

No new information that can meet our guidelines has been provided on these items. In addition, the proposal for these items is not in compliance with our proposed rule. Therefore, they will remain unresolved along with the Fire Brigade and Technical Specifications as we indicated in our letters of April 3, 1980.

The review status of the items in your letter dated May 7, 1980 is as given in Enclosure 2. In addition, we have the information you provided in your June 6, 1980 letter on safe shutdown capability under review.

Sincerely,

Original signed by:
S. A. Varga
Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

W

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SURNAME				
DATE	800813	0283		



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Dr. Robert E. Uhrig
Florida Power and Light Company

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Enclosures:

1. Additional Fire Protection Information Review
2. Review Status

cc: w/enclosures
See next page

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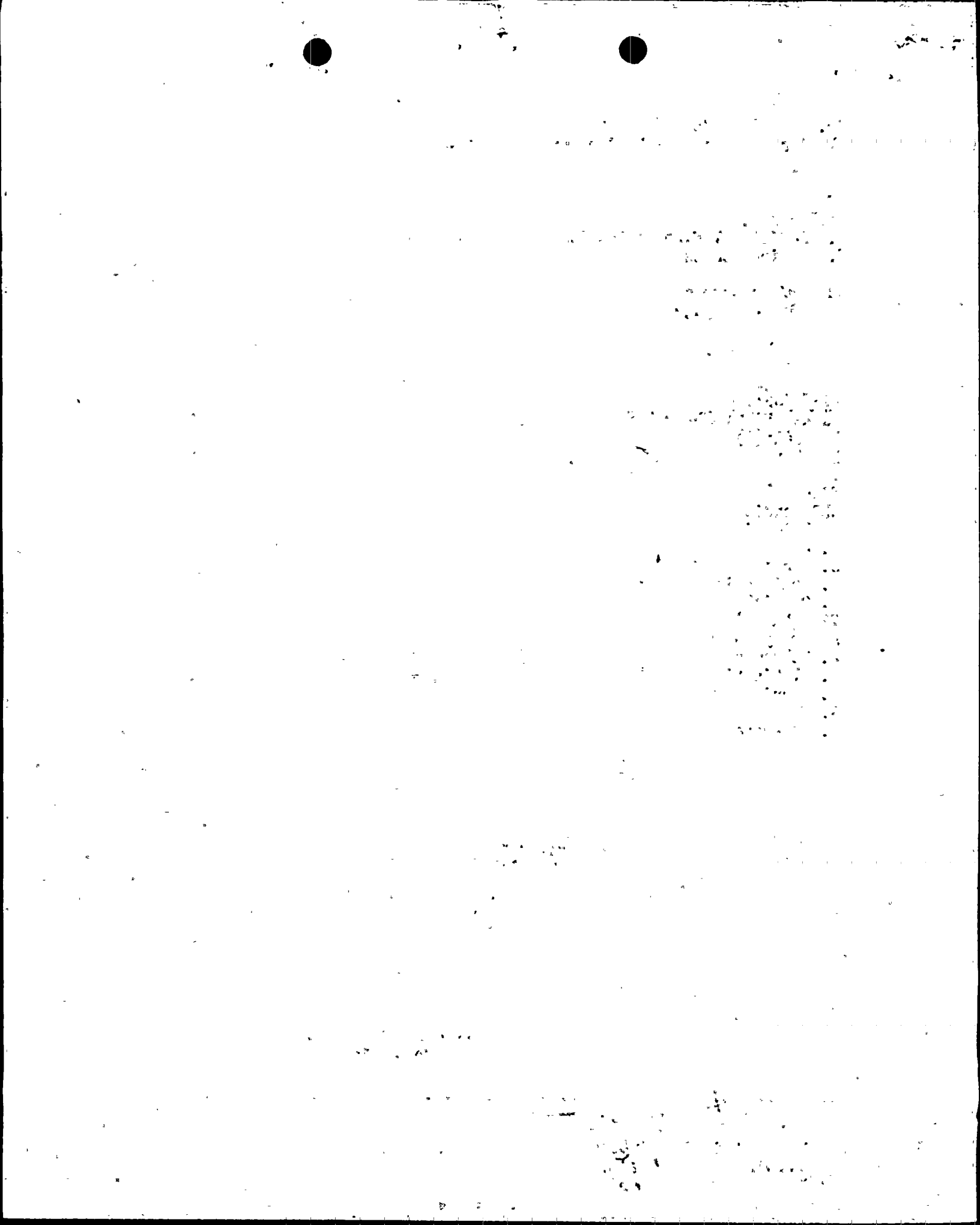
J. Olshinski

G. Harrison

R. Ferguson

V. Benaroya

OFFICE	DL:ORB1	DL:ORB1				
SURNAME	MGrotenhuis:jb	S.Varga				
DATE	07/17/80	07/18/80				





UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 9, 1980

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and 50-251

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Advanced Systems and Technology
Florida Power and Light Company
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Miami, Florida 33152

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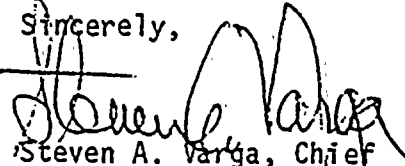
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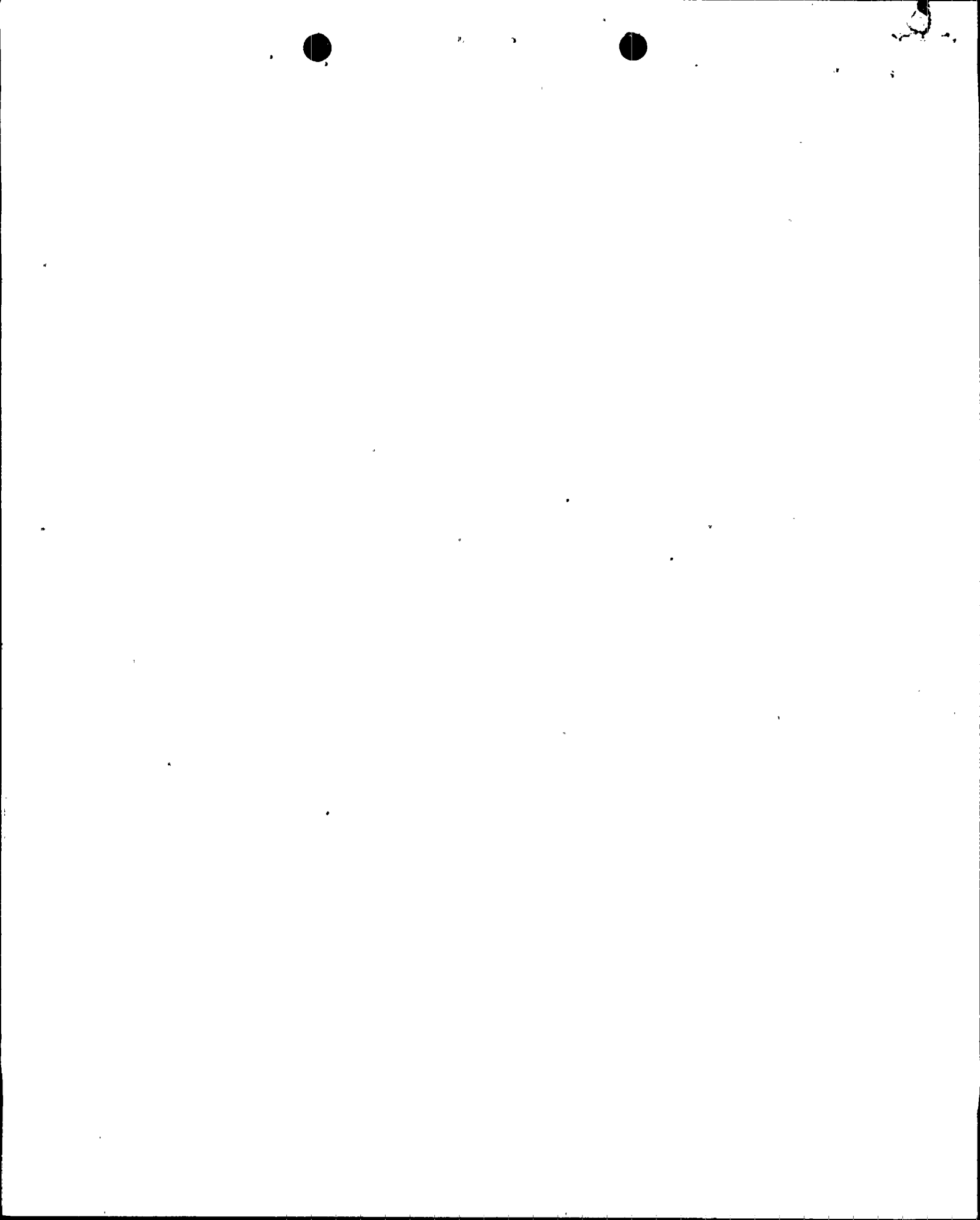
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Sincerely,


Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing



Dr. Robert E. Uhrig
Florida Power and Light Company

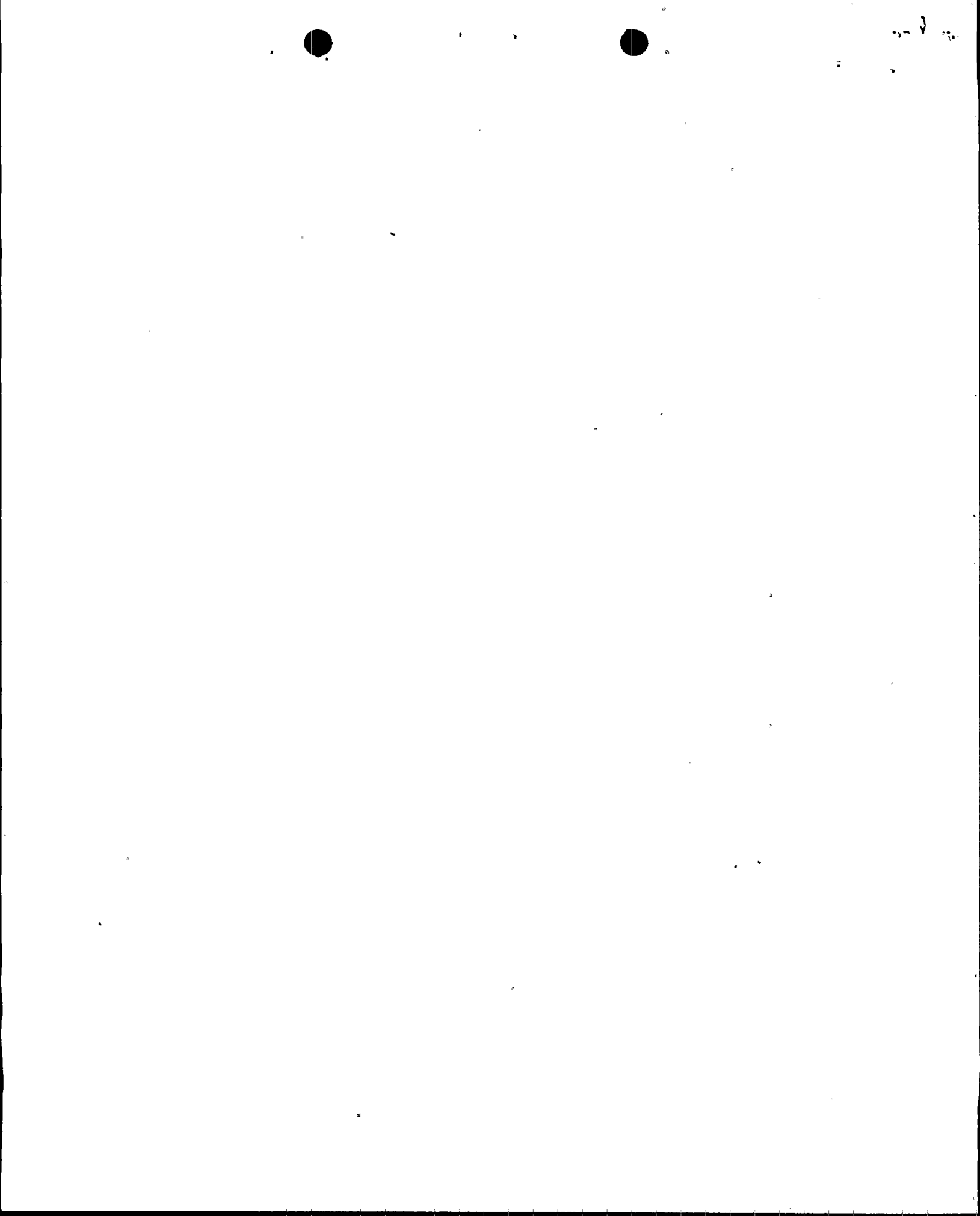
- 2 -

July 9, 1980

Enclosures:

1. Additional Fire Protection Information Review
2. Review Status

cc: w/enclosures
See next page



Robert E. Uhrig
Florida Power and Light Company

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July 9, 1980

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1025 Connecticut Avenue, N.W.
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Washington, D. C. 20036

Environmental and Urban Affairs Library
Florida International University
Miami, Florida 33199

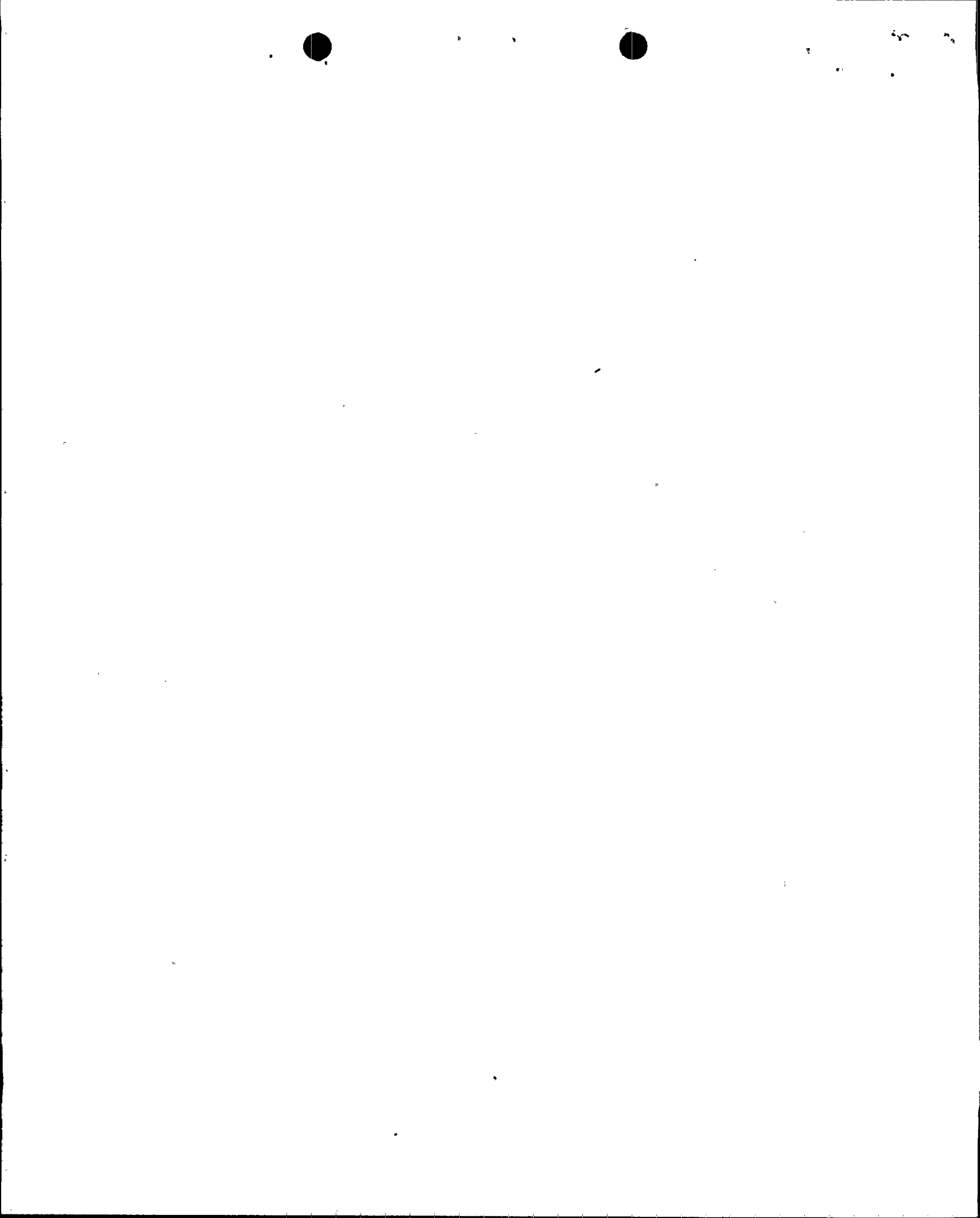
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ENCLOSURE 7

ADDITIONAL FIRE PROTECTION INFORMATION REVIEW
TURKEY POINT UNITS 3 & 4
DOCKET NOS. 50-250/251

WATER SUPPRESSION SYSTEMS, ITEM 3.1.6

In our SER, we found the water suppression systems to be acceptable subject to a number of specific items. We requested that minimum pipe sizes be no less than one inch in diameter, that no bushings be used, that heat collectors be provided for the sprinkler heads, that the water supply to the switchgear room sprinkler system be independent of the deluge systems. We also requested that the door openings in the two switchgear rooms be protected by a water spray system. By letter dated May 7, 1980, the licensee provided the requested information concerning specific design details of water suppression systems. The licensee confirmed that minimum sprinkler pipe sizes will be one inch, that no bushings were planned for, heat collectors will be provided on the sprinkler heads, and that the water supply feed to the switchgear room sprinkler heads will be independent of the deluge systems. Also, each door in the two switchgear rooms that face the transformer will be removed and the opening closed with a 3-hour rated wall. The licensee concluded that no water spray was needed for these doors.

We have reviewed the specific information on water suppression design details and find it to be acceptable.

FOAM SUPPRESSION, ITEM 3.1.7

By letter dated May 7, 1980, the licensee provided information concerning the diesel generator room foam system equipment. Our original concern was that the foam application nozzles would not fit through special diesel generator room penetrations. The licensee demonstrated that the room penetrations are 4 inches with the maximum outer dimension of the foam equipment at 3.23 inches. Since the foam equipment nozzles fit through the room penetration, we now find the foam system acceptable.

SMOKE DETECTION SYSTEM, ITEM 3.2.1

By letter of May 7, 1980, the licensee provided information on in situ smoke detector testing. The licensee committed to contracting with an independent registered fire protection engineer to evaluate the adequacy of the smoke detection systems. Since in situ smoke detector testing is not state-of-the-art yet, we consider the above proposal to be an acceptable alternative.

Based on our evaluation, we conclude that the licensee's proposal to utilize a registered fire protection engineer a satisfactory method to verify the adequacy of the smoke detection systems, and is, therefore, acceptable.

REACTOR COOLANT PUMPS, ITEM 3.2.2

By letter dated May 7, 1980, the licensee provided information concerning the reactor coolant pump oil collection system. The licensee stated that the oil collection system will cover all potential leakage points, e.g., lift oil system, bearing oil cooler flanges, lower bearing oil reservoir. Also, the licensee committed to designing the oil collecting system to withstand an SSE.

Based on our evaluation, we conclude that the licensee's proposed RCP oil collection system meets our fire protection guidelines, the proposed Appendix R, and is, therefore, acceptable.

OTHER OPEN ITEMS

By letter dated May 7, 1980, the licensee reiterated its position on the following items considered unresolved by us:

- 3.1.2 Fire Water Supply
- 3.2.3 Water Supply
- 3.2.4 Auxiliary Building Corridor
- 3.2.5 Cable Spreading Area

The licensee did not provide any additional information to justify its positions. We had previously reviewed these items and found them not to meet our guidelines or proposed Appendix R. We consider these items to have remained unresolved.

ENCLOSURE 2

FIRE PROTECTION REVIEW STATUS
TURKEY POINT UNITS 3 & 4
DOCKET NOS. 50-250/251

<u>Item</u>	<u>Description</u>	<u>Status*</u>
3.1.2	Fire Water Supply	R
3.1.6	Water Suppression Systems	C
3.1.7	Foam	C
3.2.1	Smoke Detection System	C
3.2.2	Reactor Coolant Pumps	C
3.2.3	Water Supply	R
3.2.4	Auxiliary Building Corridor	R
3.2.5	Cable Spreading Room	R

*C - Our evaluation is complete and the licensee's modification is acceptable

R - The licensee has been provided with our requirements

