

SEP 9 1981

Docket No.: 50-389

Dr. Robert E. Uhrig, Vice President
Advanced Systems & Technology
Florida Power & Light Company
P. O. Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

Subject: St. Lucie Plant, Unit 2 FSAR - Request for Additional Information

On June 17, 1981 we provided Mr. Sheetz a draft copy of the attached request for additional information (RFAI) from the Quality Assurance Branch. We recognize that you have responded to the RFAI in your letter L-81-384, dated September 3, 1981, however, the enclosure is being formally transmitted to you for your records.

Please contact Mr. Nerses (301-492-7468), St. Lucie 2 Project Manager, if you desire any discussion or clarification of the enclosed document.

Sincerely,

Frank J. Miraglia, Chief
Licensing Branch No. 3
Division of Licensing

Enclosure:
As stated

cc: See next page.

APP 3



OFFICE	DL:LB#3	DL:LB#3					
SURNAME	VNerses:jb	FMiraglia					
DATE	9/9/81	9/9/81					
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1. The first part of the report deals with the general situation in the country. It is noted that the economy is in a state of stagnation and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a severe shortage of food and that the government is unable to provide for their basic needs.

2. The second part of the report deals with the political situation. It is noted that the government is unable to carry out its policies and that the country is in a state of political instability. The report also mentions that the government is unable to maintain law and order and that the country is in a state of chaos.

3. The third part of the report deals with the social situation. It is noted that the population is suffering from a severe shortage of food and that the government is unable to provide for their basic needs. The report also mentions that the government is unable to provide for the education and health care of the population.

4. The fourth part of the report deals with the economic situation. It is noted that the economy is in a state of stagnation and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a severe shortage of food and that the government is unable to provide for their basic needs.

5. The fifth part of the report deals with the international situation. It is noted that the country is in a state of isolation and that the government is unable to maintain relations with other countries. The report also mentions that the government is unable to provide for the basic needs of the population.

6. The sixth part of the report deals with the future of the country. It is noted that the country is in a state of stagnation and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a severe shortage of food and that the government is unable to provide for their basic needs.

7. The seventh part of the report deals with the conclusion. It is noted that the country is in a state of stagnation and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a severe shortage of food and that the government is unable to provide for their basic needs.

ST. LUCIE

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

Harold F. Reis, Esq.
Lowenstein, Newman, Reis, Axelrad & Toll
1025 Connecticut Avenue, N.W.
Washington, D.C. 20036

Norman A. Coll, Esq.
Steel Hector & Davis
1400 Southeast First National
Bank Building
Miami, Florida 33131

Mr. Martin H. Hodder
1131 N. E. 86th Street
Miami, Florida 33138

Resident Inspector
St. Lucie Nuclear Power Station
c/o U. S. Nuclear Regulatory Commission
7900 South A1A
Jensen Beach, Florida 33457

ST. LUCIE 2

Request for Additional Information

260.0 Quality Assurance Branch.

260.5 Section 17.1.2.2 of the standard format (Regulatory Guide 1.70) requires the identification of safety-related structures, systems, and components controlled by the QA program. You are requested to supplement and clarify Table 3.2-1 of the St. Lucie 2 FSAR in accordance with the following:

- a. The following items do not appear on FSAR Table 3.2-1. Add the appropriate items to the table and provide a commitment that the remaining items are subject to the pertinent requirements of the FSAR operational quality assurance program or justify not doing so.
 1. Safety-related masonry walls (see IE Bulletin No. 80-11).
 2. Biological shielding within reactor auxiliary building and fuel handling building.
 3. Missile barriers within reactor auxiliary building, intake structure, fuel handling building, and component cooling area structure, as applicable.
 4. Spent fuel pool and liner.
 5. Spent and new fuel storage racks.
 6. Spent fuel cask.
 7. Spent fuel handling machine.
 8. Refueling machine.
 9. CEA change mechanism.
 10. Cask handling crane.
 11. Fuel transfer system.
 12. Spent fuel handling system.
 13. Steam trestles for support of main steam piping, feedwater piping, auxiliary feedwater piping and pumps, including associated missile barriers.
 14. Radiation monitoring (fixed and portable).
 15. Radioactivity monitoring (fixed and portable).
 16. Radioactivity sampling (air, surfaces, liquids).
 17. Radioactive contamination measurement and analysis.

18. Personnel monitoring internal (e.g., whole body counter) and external (e.g., TLD system).
19. Instrument storage, calibration, and maintenance.
20. Decontamination (facilities, personnel, and equipment).
21. Respiratory protection, including testing.
22. Contamination control.
23. Radiation shielding (permanently installed).
24. Accident-related meteorological data collection equipment.
25. Expendable and consumable items necessary for the functional performance of safety-related structures, systems, and components (i.e., weld rod, fuel oil, boric acid, snubber oil, etc.).
26. Containment vacuum relief system piping and valves.
27. Flood and erosion protection structures such as the sheetpile groins protecting the UHS diversion channel, the concrete bulkhead in the nose of the discharge canal, and flood protection stoplogs.
28. Roofs of safety-related structures.
29. Site drainage system - including drains, parapets, grading, culverts, and channels.
30. Intake canal slope.
31. Emergency cooling water canal slope (including roadway and retaining walls).
32. Intake pipes.
33. Class I conduits, cooling water lines, and manholes for class I components.
34. Class I backfill around safety-related structures.

- b. The following items from the FSAR Table 3.2-1 need expansion and/or clarification as noted. Revise the list as indicated or justify not doing so.
1. Identify the safety-related instrumentation and control systems to the same scope and level of detail as provided in Chapter 7 of the FSAR (this can be done by footnote). Verify that this covers I&C for ..
 - a) Combustible gas control system (item O).
 - b) Post-accident monitoring including the containment pressure monitor, the containment water level monitor, and the containment hydrogen concentration monitor.
 - c) Containment vacuum relief system.
 2. Clarify that the iodine removal system (item S) includes the hydrazine tank cover gas system.
 3. The shield building ventilation system (item P) lists fans, filters, ducting and dampers, and instrumentation. Either add the following safety-related components or verify that they fall under the headings already listed:
 - a) Fan motors.
 - b) Demisters.
 - c) Charcoal adsorbers.
 - d) Filter housings.
 - e) Heaters.
 4. Expand the list of items under the emergency power system (item M) to include the following safety-related components or verify that they fall under the headings already listed:
 - a) Raceways and their supports - Those with Class 1E cables and those whose failure could damage other safety-related items.
 - b) Diesel generator packages including auxiliaries (e.g., governor, voltage regulator, excitation system).
 - c) Cable splices, connectors, and terminal blocks.
 - d) Valve operators.
 - e) Protective relays and control panels.
 - f) 480 volt load centers.

- g) Battery chargers and 125 volt D.C. distribution equipment.
- h) 120 volt A.C. vital distribution equipment.
- i) Safety-related underground cable system.



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- c. Enclosure 2 of NUREG-0737, "Clarification of TMI Action Plan Requirements" (November 1980) identified numerous items that are safety-related and appropriate for OL application and therefore should be on Table 3.2-1. These items are listed below. Add the appropriate items to Table 3.2-1 and provide a commitment that the remaining items are subject to the pertinent requirements of the FSAR operational quality assurance program or justify not doing so.

	<u>NUREG-0737 (Enclosure 2) Clarification Item</u>
1. Plant-safety-parameter display console.	I.D.2
2. Reactor coolant system vents.	II.B.1
3. Plant shielding.	II.B.2
4. Post accident sampling capabilities.	II.B.3
5. Valve position indication.	II.D.3
6. Auxiliary feedwater system.	II.E.1.1
7. Auxiliary feedwater system initiation and flow.	II.E.1.2
8. Emergency power for pressurizer heaters.	II.E.3.1
9. Dedicated hydrogen penetrations.	II.E.4.1
10. Containment isolation dependability.	II.E.4.2
11. Accident monitoring instrumentation.	II.F.1
12. Instrumentation for detection of inadequate core-cooling.	II.F.2
13. Power supplies for pressurizer level indicators.	II.G.1
14. Automatic trip of reactor coolant pumps.	II.K.3(5)
15. Power on pump seals.	II.K.3(25)
16. Emergency plans (and related equipment).	III.A.1.1/III.A.2
17. Equipment and other items associated with the emergency support facilities.	III.A.1.2
18. Inplant I ₂ radiation monitoring.	III.D.3.3
19. Control-room habitability.	III.D.3.4

