

UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 134 AND 73

TO FACILITY OPERATING LICENSE NO. DPR-67 AND NO. NPF-16

" FLORIDA POWER AND LIGHT COMPANY, ET AL.

ST. LUCIE PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-335 AND 50-389

## **1.0 INTRODUCTION**

By letter dated October 27, 1994, Florida Power & Light Company (FPL, the licensee) requested various changes to the Technical Specifications (TS) for the St. Lucie Plant, Unit Nos. 1 and 2. The licensee proposed to make administrative changes to achieve consistency throughout TS by removing outdated material, removing deleted pages, making minor text changes for purposes of clarification, making editorial corrections and resolving inconsistencies identified by plant operations staff.

## 2.0 DESCRIPTION AND EVALUATION

2.1 ST. LUCIE UNIT 1

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- a. The following changes in text will improve consistency within the Unit 1 TS by revising and/or deleting outdated material, providing proper references, and correcting spelling and/or nomenclature errors.
  - On <u>Page Ia</u>: <u>Add</u> "TABLE 1.1 Frequency Notation ... 1-8" and "TABLE 1.2 Operational Modes ... 1-9." The location of these topics is not otherwise identified in the index.
  - (2) On <u>Page III</u>:
    - a) Under <u>3/4.1 REACTIVITY CONTROL SYSTEMS</u>, <u>revise</u> "Shutdown Margin -  $T_{axg} > 200$  °F" to read, "Shutdown Margin -  $T_{avg} > 200$  °F" and thereby reflect the proper subscript for average temperature.
    - b) Under <u>3/4.1.2 BORATION SYSTEMS</u>, <u>revise</u> the page reference for "Borated Water Sources - Operating" from "3/4 1-4" to read "3/4 1-18."

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(3) On <u>Page IV</u>: Under <u>3/4.3 INSTRUMENTATION</u>, <u>delete</u> "Fire Detection Instrumentation ... 3/4 3-37".

This TS was deleted by Amendment 115.

- (4) On <u>Page V</u>, under <u>3/4.4.10 STRUCTURAL INTEGRITY</u>:
  - a) .<u>Revise</u> "Safety Class 1 Components" to read, "ASME Code Class 1, 2, and 3 Components."

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b) <u>Delete</u> "Safety Class 2 Components ... 3/4 4-37" and "Safety Class 3 Components ... 3/4 4-53."

These requirements were merged into one specification pursuant to Amendment 90.

(5) On <u>Page VI</u>: Under <u>3/4.7 PLANT SYSTEMS</u>, <u>delete</u> "Secondary Water Chemistry ... 3/4 7-10."

This TS was deleted by Amendment 86.

- (6) On <u>Page VII</u>:
  - a) <u>Delete</u> the entire section, "3/4.7.11 FIRE SUPPRESSION SYSTEMS" and the referenced pages.
  - b) <u>Delete</u> "3/4.7.12 PENETRATION FIRE BARRIERS ... 3/4 7-45."

The specifications were deleted by Amendment 115.

(7) On <u>Page IX</u>: For Bases Section 3/4.2.2, <u>replace</u> the words "TOTAL PLANAR RADIAL PEAKING FACTOR" with the word, "DELETED."

This TS and its bases were deleted by Amendment 109.

(8) On <u>Page X</u>: For Bases Section 3/4.5.4, <u>revise</u> "REFUELING WATER STORAGE TANK (RWST)" to read, "REFUELING WATER TANK (RWT)."

The proposed wording reflects the proper nomenclature for Unit 1 and is consistent with both the TS and the Bases Section for this system.

- (9) On <u>Page\_XI</u>:
  - a) <u>Delete</u> "3/4.7.11 FIRE SUPPRESSION SYSTEMS...B 3/4 7-7."
  - b) Delete "3/4.7.12 PENETRATION FIRE BARRIERS ... B 3/4 7-7."

The Bases sections were deleted by Amendment 115.



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(10) On <u>Page XII</u>:

- a) Under <u>3/4.11\_RADIOACTIVE\_EFFLUENTS</u>:
  - i) <u>Replace</u> "LIQUID EFFLUENTS" with the word "DELETED."
- ii) Replace "3/4.11.2 GASEOUS EFFLUENTS ... B 3/4 11.2" with
- "3/4.11.2.5 EXPLOSIVE GAS MIXTURE ... B 3/4 11-4." iii) <u>Replace</u> "3/4.11.3 SOLID RADIOACTIVE WASTE" with "3/4.11.2.6
  - GAS STORAGE TANKS".
- · iv) Delete "3/4.11.4 TOTAL DOSE ... B 3/4 11-5."
  - b) <u>Delete</u> the entire section <u>3/4.12 RADIOLOGICAL ENVIRONMENTAL</u> <u>MONITORING</u>.

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The Bases sections were revised by Amendment 123.

(11) On <u>Pages XIII, XIV, and XV</u>: <u>Revise</u> the page references as indicated.

The topics do not appear on the pages presently indicated.

(12) On <u>Page 3/4 2-2</u>: In the footnote #, <u>revise</u> "core" to read "incore" and the referenced Specification "4.2.1" to read "4.2.1.3".

The proposed changes will correct the footnote to reflect the proper system nomenclature and the appropriate reference specification. Unit 1 has no TS number 4.2.1; and if the incore system is inoperable, linear heat rate would be monitored by the excore system per TS 4.2.1.3.

(13) On <u>Page 3/4 3-25</u>, Surveillance Requirement 4.3.3.2.a.2: <u>Revise</u> the reference specification "4.2.1.3" to read "4.2.1.4."

The proposed change rectifies an improper reference. TS 4.2.1.4 is the proper reference for the incore monitoring system.

- (14) On Page 3/4 3-44, TABLE 4.3-7: In item 6, revise "postition" to properly read "position."
- b. The following reorganization of text will restore coherency to the tabular format of TS 3/4.3.3.10.
  - On <u>Page 3/4 3-51, TABLE 3.3-13</u>: <u>Incorporate</u> all of the <u>TABLE</u> <u>NOTATION</u> text that is currently printed on Page 3/4 3-53 (Amendment 123).

TABLE 3.3-13 was fragmented as a result of deletions made pursuant to Amendment 123. The proposed change is a simple relocation of existing text in order to combine these fragments on a single page and thereby restore the consistency of the TS format.

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(2) On <u>Page 3/4 3-52</u>: <u>Delete</u> the word "DELETED". On this page, <u>incorporate</u> all of the <u>TABLE 4.3-9</u> text that is currently printed on page 3/4 3-54 (Amendment 123), and all of the associated <u>TABLE</u> <u>NOTATION</u> text that is currently printed on Page 3/4 3-56 (Amendment 123).

TABLE 4.3-9 was fragmented as a result of deletions made pursuant to Amendment 123. The proposed change is a simple relocation of existing text in order to combine these fragments on a single page and thereby restore the consistency of the TS format. Printing TABLE 4.3-9 in its entirety on page 3/4 3-52 will facilitate deletion of blank pages without interrupting the continuity of pagination, per item 1.d.(3) below.

- c. The following changes in text will provide accountability for the applicable pages listed in section 1.d that FPL has selected for deletion from the technical specifications.
  - (1) On <u>Page 3/4 3-37</u>: <u>Replace</u> the word "DELETED" with the text, "Pages 3/4 3-38 through 3/4 3-40 (Amendment No. 115) have been deleted from the Technical Specifications."
  - (2) On <u>Page 3/4 3-45</u>: <u>Replace</u> the word "DELETED" with the text, "Pages 3/4 3-46 through 3/4 3-49 (Amendment No. 123) have been deleted from the Technical Specifications"
  - (3) On Page 3/4 4-27: Replace the word "DELETED" with the text, "Pages 3/4 4-28 through 3/4 4-55 (Amendment No. 90), and Pages 3/4 4-56 through 3/4 4-57 (Amendment No. 80) have been deleted from the Technical Specifications."
  - (4) On Page <u>3/4 7-10</u>: <u>Replace</u> the words "THIS PAGE LEFT INTENTIONALLY BLANK" with the text, "Pages 3/4 7-11 through 3/4 7-12 (Amendment No. 86) have been deleted from the Technical Specifications."
  - (5) On <u>Page 3/4 11-1</u>: <u>Replace</u> the word "DELETED" with the text, "Pages 3/4 11-2 through 3/4 11-13 (Amendment No. 123) have been deleted from the Technical Specifications."
  - (6) On <u>Page B 3/4 11-1</u>: <u>Add</u> the words, "Pages B 3/4 11-2 through B 3/4 11-3 (Amendment No. 123) have been deleted from the Technical Specifications."

The text proposed in each of the above items will preserve the continuity of pagination. The pages that are referred to in the text are blank, and will be removed from the TS.

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- d. FPL proposes to <u>delete</u> the following blank pages from the Unit 1 Technical Specifications.
  - (1) <u>Delete</u> pages <u>3/4 3-38 through 3/4 3-40 (Amendment 115)</u>.
  - (2) <u>Delete</u> pages <u>3/4 3-46 through 3/4 3-49 (Amendment 123)</u>.
  - (3) \*Delete pages 3/4 3-53 through 3/4 3-56 (Amendment 123). The existing text on pages 3/4 3-54 and 3/4 3-56 will appear on page 3/4 3-52 per item 1.b.(2) above.
  - (4) Delete pages 3/4 4-28 through 3/4 4-55 (Amendment 90) and pages 3/4 4-56 through 3/4 4-57 (Amendment 80).
  - (5) <u>Delete</u> pages <u>3/4 7-11 through 3/4 7-12 (Amendment 86)</u>.
  - (6) \*<u>Delete</u> pages <u>3/4 7-32 through 3/4 7-39a (Amendment 83)</u>.
  - (7) <u>Delete</u> pages <u>3/4 11-2 through 3/4 11-13 (Amendment 123)</u>.
  - (8) \*<u>Delete</u> pages <u>3/4 11-16 through 3/4 11-17 (Amendment 123)</u>
  - (9) \*<u>Delete</u> pages <u>3/4 12-1 through 3/4 12-12 (Amendment 123)</u>.
  - (10) <u>Delete</u> pages <u>B 3/4 11-2 through B 3/4 11-3 (Amendment 123)</u>.
  - (11) \*Delete pages <u>B 3/4 12-1 through B 3/4 12-2 (Amendment 123)</u>.

Except as noted by \*, continuity of pagination will be preserved by a note on the page immediately preceding each page group as proposed in section 1.c above.

\* Pages denoted by a single asterisk are the last pages in the applicable TS section, and deletion of these pages will not interrupt the page numbering sequence.

e. The following changes in text will rectify errors in the stated ranges for the Unit 1 Radioactivity RCS Leakage Detection instruments listed in TABLE 3.3-6.

On <u>Page 3/4 3-22, TABLE 3.3-6</u>:

(1) For item 2.a.i, Gaseous Activity RCS Leakage Detection, change the indicated MEASUREMENT RANGE from " $10^{-7} - 10^{-2} \mu$ Ci/cc" to properly read, " $10 - 10^{6}$  cpm."

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(2) For item 2.a.ii, Particulate Activity RCS Leakage Detection, <u>change</u> the indicated MEASUREMENT RANGE from "1 -  $10^6$  cpm/hr" to properly read, "10 -  $10^6$  cpm."

The ratemeters for both of the above listed instruments have measurement ranges of  $10 - 10^{\circ}$  cpm. The ranges currently listed in TABLE 3.3-6 for these instruments are the result of an inadvertent revision made pursuant to Amendment 59, which incorporated Radiological Effluent Technical Specifications for Unit 1 modeled as close as practicable to those of Unit 2. This proposed change will rectify that error by restoring the listed measurement ranges to their original values which are consistent with the Unit 1 plant configuration.

f. The following minor change in text will correct errors in the stated secondary system design pressure and the basis for operability of Main Steam Safety Valves found in Bases Section 3/4.7.1.

On <u>Page B 3/4 7-1, under Section 3/4.7.1.1 SAFETY VALVES</u>: In the first sentence, <u>revise</u> "...limited to within its design pressure of 1025 psig..." to read, "...limited to within 110% of its design pressure of 1000 psia..."

The Unit 1 steam generator design pressure is 1000 psia. The plant safety analyses demonstrate that the existing lift setpoints for the safety valves satisfy the acceptance criteria by limiting steam generator pressure to less than 110% of design during the postulated worst case over-pressurization transient. The proposed change in text will more accurately reflect the Bases for TS 3/4.7.1.1.

g. The following minor change in text will correct an error in the stated Bases for the Unit 1 Thermal Margin/Low Pressure (TM/LP) trip setpoints.

On <u>Page B 2-7</u>, under <u>Thermal Margin/Low Pressure</u>: <u>Delete</u> "of 30 psia" from the second sentence of paragraph 3.

The bases presently state that an allowance of 30 psia is included in the TM/LP trip setpoint to compensate for the time delay associated with effective termination of the event that exhibits the most rapid decrease in margin to the DNBR limit. This pressure bias has been superseded and is incorrect, e.g., a value of 42 psia was established for this allowance as part of the core reload safety analyses for Unit 1 Cycle 11.

Simply deleting the specific numerical value from the text will both rectify the existing error and preclude the need for an amendment to the Bases section each time this parameter is adjusted. Concurrently, the syntax of this sentence will be more consistent with the context of the ¥ 。" ù 除熟品 .,

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third paragraph in that only the types of setpoint allowances are identified.

- 2.2 ST LUCIE UNIT 2
  - a. The following changes in text will improve consistency within the Unit 2 TS by revising and/or deleting outdated material, providing proper references, and correcting spelling and/or nomenclature errors.

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(1) On <u>Page V</u>: Under <u>3/4.3 INSTRUMENTATION</u>, <u>delete</u> "FIRE DETECTION INSTRUMENTATION ... 3/4 3-44."

This TS was deleted by Amendment 55.

- (2) On <u>Page VIII</u>:
  - a) <u>Delete</u> the entire section "3/4.7.11 FIRE SUPPRESSION SYSTEMS" and the referenced pages.
  - b) <u>Delete</u> "3/4.7.12 FIRE RATED ASSEMBLIES ... 3/4 7-39."

The specifications were deleted by Amendment 55.

- (3) On <u>Page X</u>:
  - a) <u>Delete</u> "<u>3/4.11 RADIOACTIVE EFFLUENTS</u>"
  - b) <u>Delete</u> "<u>3/4.12 GASEOUS EFFLUENTS</u>"
  - c) <u>Add</u> the appropriate <u>SECTION</u> number "3/4.11.2.5" preceding EXPLOSIVE GAS MIXTURE, and "3/4.11.2.6" preceding GAS STORAGE TANKS.

The revisions will make the Index consistent with TS changes implemented pursuant to Amendment 61.

- (4) On <u>Page XIV</u>:
  - a) <u>Delete</u> "3/4.7.11 FIRE SUPPRESSION SYSTEMS...B<sub>.</sub>3/4 7-7"
  - b) Delete "3/4.7.12 FIRE RATED ASSEMBLIES...B 3/4 7-8"

The Bases sections were deleted pursuant to Amendment 55.

- (5) On <u>Page XVI</u>:
  - a) Under <u>3/4.11 RADIOACTIVE EFFLUENTS</u>

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- i) <u>Delete</u> "3/4.11.1 LIQUID EFFLUENTS...B 3/4 11-1."
- ii) <u>Replace</u> "3/4.11.2 GASEOUS EFFLUENTS...B 3/4 11-2" with "3/4.11.2.5 EXPLOSIVE GAS MIXTURE ... B 3/4 11-4."
- iii) <u>Replace</u> "3/4.11.3 SOLID RADIOACTIVE WASTE" with "3/4.11.2.6 GAS STORAGE TANKS."
- iv) <u>Delete</u> "3/4.11.4 TOTAL DOSE ... B 3/4 11-5."
- b) <u>Delete</u> the entire section "<u>3/4.12 RADIOACTIVE ENVIRONMENTAL</u> <u>MONITORING</u>" and the referenced pages.

The Bases sections were changed pursuant to Amendment 61.

(6) On <u>Pages XVIII and XXI</u>: <u>Revise</u> the page references as indicated.

The topics do not appear on the pages presently indicated.

- (7) On <u>Page XXIII</u>:
  - a) For <u>TABLE</u> 3.3-2, <u>replace</u> "REACTOR PROTECTIVE INSTRUMENTATION RESPONSE TIMES ... 3/4 3-6" with the word "DELETED"
  - b) For <u>TABLE</u> 3.3-5, <u>replace</u> "ENGINEERED SAFETY FEATURES RESPONSE TIMES ... 3/4 3-19" with the word "DELETED"

The tables were removed from the TS per Amendment 67.

- (8) On <u>Page XXIV</u>:
  - a) For <u>TABLE</u> 3.3-11, <u>replace</u> "FIRE DETECTION INSTRUMENTS ...
    3/4 3-45" with the word "DELETED." This table was deleted by Amendment 55.
  - b) For <u>TABLE</u> 3.3-12, <u>replace</u> "RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION ... 3/4 3-49" with the word "DELETED."

This table was deleted by Amendment 61.

c) For <u>TABLE</u> 4.3-8, <u>replace</u> "RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION...3/4 3-51" with the word "DELETED."

This table was deleted by Amendment 61.

d) For <u>TABLE</u> 3.3-13, <u>replace</u> "RADIOACTIVE GASEOUS EFFLUENT" with the words "EXPLOSIVE GAS."

This table was revised by Amendment 61.

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e) For <u>TABLE</u> 4.3-9, <u>replace</u> "RADIOACTIVE GASEOUS EFFLUENT" with the words "EXPLOSIVE GAS," and revise the reference page "3/4 3-57" to read "3/4 3-55."

The table content was revised by Amendment 61, and the reference page for TABLE 4.3-9 will change as proposed in section b.(2) below.

- (9) On <u>Page XXV</u>:
  - a) For <u>TABLE</u> 3.7-4, <u>replace</u> "FIRE HOSE STATIONS ... 3/4 7-36" with the word "DELETED."

This table was deleted by Amendment 55.

b) For <u>TABLE</u> 3.7-5, <u>replace</u> "YARD FIRE HYDRANTS AND ASSOCIATED HYDRANT HOSE HOUSES ... 3/4 7-38" with the word "DELETED."

This table was deleted by Amendment 55.

- c) For each of the following tables, <u>replace</u> the title and associated reference page with the word "DELETED." The tables were deleted from the TS by Amendment 61.
  - i) <u>TABLE</u> 4.11-1, "RADIOACTIVE LIQUID WASTE SAMPLING AND ANALYSIS PROGRAM...3/4 11-2"
- ii) <u>TABLE</u> 4.11-2, "RADIOACTIVE GASEOUS WASTE SAMPLING AND ANALYSIS PROGRAM...3/4 11-8"
- iii) <u>TABLE</u> 3.12-1, "RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM...3/4 12-3"
- iv) <u>TABLE</u> 3.12-2, "REPORTING LEVELS FOR RADIOACTIVITY CONCENTRATIONS IN ENVIRONMENTAL SAMPLES...3/4 12-7"
- v) <u>TABLE</u> 4.12–1, "DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS...3/4 12–8"
- (10) On <u>Page 3/4 3-30, Surveillance Requirement 4.3.3.2.a.2</u>: <u>Revise</u> the reference Specification "4.2.1.3" to read, "4.2.1.4."

The proposed change rectifies an improper reference. TS 4.2.1.4 is the proper reference for the incore monitoring system.

(11) On <u>Page 3/4 3-43, TABLE 4.3-7</u>: <u>Renumber</u> the Containment Sump Water Level (Narrow Range) instrument as item "15."

The table lists item 16 twice.

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- b. The following reorganization of text will restore coherency to the tabular format of TS 3/4.3.3.10.
  - (1) On <u>Page 3/4 3-54, TABLE 3.3-13</u>: As shown in Attachment 4 to this submittal, <u>incorporate</u> all of the <u>TABLE NOTATION</u> text that is currently printed on Page 3/4 3-56 (Amendment 61).

TABLE.3.3-13 was fragmented as a result of deletions made pursuant to Amendment 61. The proposed change is a simple relocation of existing text in order to combine these fragments on a single page and thereby restore the consistency of the TS format.

(2) On <u>Page 3/4 3-55</u>: <u>Delete</u> the word "DELETED". On this page as shown in Attachment 4 to this submittal, <u>incorporate</u> all of the <u>TABLE 4.3-9</u> text that is currently printed on page 3/4 3-57 (Amendment 61), and all of the associated <u>TABLE NOTATION</u> text that is currently printed on Page 3/4 3-59 (Amendment 61).

TABLE 4.3-9 was fragmented as a result of deletions made pursuant to Amendment 61. The proposed change is a simple relocation of existing text in order to combine these fragments on a single page and thereby restore the consistency of the TS format. Printing TABLE 4.3-9 in its entirety on page 3/4 3-55 will facilitate deletion of blank pages as described in item 2.d.(3) below.

- c. The following changes in text will provide accountability for the applicable pages listed in section 2.d that FPL has selected for deletion from the technical specifications.
  - (1) On <u>Page 3/4 3-44</u>: <u>Replace</u> the word "DELETED" with the text, "Pages 3/4 3-45 through 3/4 3-46 (Amendment 55) have been deleted from the Technical Specifications."
  - (2) On Page 3/4 3-48: Replace the word "DELETED" with the text, "Pages 3/4 3-49 through 3/4 3-52 (Amendment 61) have been deleted from the Technical Specifications."
  - (3) On Page 3/4 3-56: Delete the existing text, and add the statement, "Pages 3/4 3-57 through 3/4 3-59 (Amendment 61) have been deleted from the Technical Specifications." (The text presently printed on page 3/4 3-56 will be relocated to page 3/4 3-54 per 2.b.(1) above).
  - (4) On <u>Page 3/4 11-1</u>: <u>Replace</u> the word "DELETED" with the text, "Pages 3/4 11-2 through 3/4 11-13 (Amendment 61) have been deleted from the Technical Specifications."

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(5) On <u>Page B 3/4 11-1</u>: <u>Add</u> the text, "Pages B 3/4 11-2 through B 3/4 11-3 (Amendment 61) have been deleted from the Technical Specifications."

The text proposed in each of the above items will preserve the continuity of pagination. The pages that are referred to in the text will be removed from the TS.

- d. FPL proposes to <u>delete</u> the following pages from the Unit 2 Technical Specifications.
  - (1) <u>Delete</u> pages <u>3/4 3-45 through 3/4 3-46 (Amendment 55)</u>.
  - (2) <u>Delete</u> pages <u>3/4 3-49 through 3/4 3-52 (Amendment 61)</u>.
  - (3) \*\*<u>Delete</u> pages <u>3/4 3-57 through 3/4 3-59 (Amendment 61)</u>.
  - (4) <u>Delete</u> pages <u>3/4 11-2 through 3/4 11-13 (Amendment 61)</u>.
  - (5) \*<u>Delete</u> pages <u>3/4 11-16 through 3/4 11-17 (Amendment 61)</u>.
  - (6) \*<u>Delete</u> pages <u>3/4 12-1\_through 3/4 12-12 (Amendment 61)</u>.
  - (7) \*<u>Delete</u> page <u>B 3/4 2-3 (Amendment 8)</u>.
  - (8) <u>Delete</u> pages <u>B 3/4 11-2 through B 3/4 11-3 (Amendment 61)</u>
  - (9) \*<u>Delete</u> pages <u>B 3/4 12-1 through B 3/4 12-2 (Amendment 61)</u>.
  - (10) \*Delete page 6-24 (Amendment 61).

Except as noted by \*, continuity of pagination will be preserved by a note on the page immediately preceding each page group as proposed in section 2.c above.

\* Pages denoted by a single asterisk are the last pages in the applicable TS section, and deletion of these pages will not interrupt the page numbering sequence.

\*\* The existing text on Pages 3/4 3-57 and 3/4 3-59 will appear on page 3/4 3-55 per item 2.b.(2) above.

e. The following changes in text will rectify errors in nomenclature relevant to the Auxiliary Feedwater Actuation System (AFAS); will correct errors of omission involving multiple functional units of the Reactor Protection System (RPS) and the Engineered Safeguards Actuation

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System (ESFAS) that would be affected by an inoperable process measurement circuit; and will improve consistency in Unit 2 TS format.

(1) On <u>Page 3/4 3-4</u>, TABLE 3.3-1, ACTION 2:

:

- a) For Process Measurement Circuit 2, "Pressurizer Pressure -High:"
  - i) <u>Delete</u> the modifier " High" from the <u>process measurement</u> <u>circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units.

ii) <u>Add</u> the functional unit "Pressurizer Pressure-Low (ESF)" to the <u>Functional Unit Bypassed</u> column.

The pressurizer pressure process measurement circuit provides data to both the RPS and the Safety Injection Actuation Signal (SIAS) of the ESFAS. Omission of this functional unit from the list provides a potential for operator error when implementing ACTION 2. In addition, cross-referencing the two systems (RPS, ESF) for this parameter is consistent with the format of corresponding Table 3.3-3 for the ESFAS.

b) For Process Measurement Circuit 3, "Containment Pressure -High," <u>delete</u> the modifier " - High" from the <u>process</u> <u>measurement circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units.

- c) For Process Measurement Circuit 4, "Steam Generator Pressure - Low:"
  - i) <u>Delete</u> the modifier " Low" from the <u>process measurement</u> <u>circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units. and baaa

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ii) <u>Delete</u> functional unit "Steam Generator  $\Delta P$  1 and 2 (AFAS 1 and 2)" from the <u>Functional Unit Bypassed</u> column, and <u>add</u> functional unit "AFAS-1 and AFAS-2 (AFAS)."

The Steam Generator  $\Delta P$  function is included in the AFAS to identify a faulted steam generator, but has no specific manual bypass feature in the system designed for Unit 2. The proposed terminology is the proper nomenclature for the functional unit to be bypassed in the Unit 2 AFAS, and is in agreement with the labelling on the bypass (pushbutton) switches. FPL has obtained concurrence from the vendor that the proposed change would be appropriate for the purpose of minimizing potential operator confusion when implementing ACTION 2.

iii) <u>Add</u> functional unit "Steam Generator Pressure-Low (ESF)" to the <u>Functional Unit Bypassed</u> column.

The steam generator pressure process measurement circuit provides data to both the RPS and the Main Steam Isolation. Signal (MSIS) of the ESFAS. Omission of this functional unit from the list provides a potential for operator error when implementing ACTION 2. In addition, cross-referencing the two systems (RPS, ESF) for this parameter is consistent with the format of corresponding Table 3.3-3 for the ESFAS.

- d) For Process Measurement Circuit 5, "Steam Generator Level:"
  - i) <u>Delete</u> functional unit "Steam Generator  $\Delta P$  (AFAS)" from the <u>Functional Unit Bypassed</u> column, and
- ii) Add functional unit "If SG-2A, then AFAS-1 (AFAS)", and
- iii) Add functional unit "If SG-2B, then AFAS-2 (AFAS)."

The Steam Generator  $\Delta P$  function is included in the AFAS to identify a faulted steam generator, but has no specific manual bypass feature in the system designed for Unit 2. The proposed terminology is the proper nomenclature for the functional unit to be bypassed in the Unit 2 AFAS, and is in agreement with the labelling on the bypass (pushbutton) switches. FPL has obtained concurrence from the vendor that the proposed change would be appropriate for the purpose of minimizing potential operator confusion when implementing ACTION 2.

The steam generator (SG) level process measurement circuits do not have cross-train functions within the AFAS. Thus, if the level measurement circuit for SG-2A is inoperable, only ないない ÷. \*

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the corresponding AFAS-1 would be affected. Likewise, if the level measurement circuit for SG-2B is inoperable, only AFAS-2 would be affected. The proposed wording clarifies the required action and is consistent with the Unit 2-AFAS configuration.

- (2) On <u>Page 3/4 3-15</u>, TABLE 3.3-3, ACTION 13:
  - a) For Process Measurement Circuit 1, "Containment Pressure -High," <u>delete</u> the modifier " - High" from the <u>process</u> <u>measurement circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units.

- b) For Process Measurement Circuit 2, "Steam Generator Pressure - Low:"
  - i) <u>Delete</u> the modifier " Low" from the <u>process measurement</u> <u>circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units.

ii) <u>Delete</u> functional unit "Steam Generator △P 1 and 2 (AFAS)" from the <u>Functional Unit Bypassed</u> column, and <u>add</u> functional unit "AFAS-1 and AFAS-2 (AFAS)."

The Steam Generator  $\Delta P$  function is included in the AFAS to identify a faulted steam generator, but has no specific manual bypass feature in the system designed for Unit 2. The proposed terminology is the proper nomenclature for the functional unit to be bypassed in the Unit 2 AFAS, and is in agreement with the labelling on the bypass (pushbutton) switches. FPL has obtained concurrence from the vendor that the proposed change would be appropriate for the purpose of minimizing potential operator confusion when implementing ACTION 13.

iii) <u>Add</u> functional unit "Steam Generator Pressure-Low (RPS)" to the <u>Functional Unit Bypassed</u> column. そうなま 茶 雪 き  $\mathbf{b}_{i}$ K A 'n

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The steam generator pressure process measurement circuit provides data to both the Main Steam Isolation Signal (MSIS) of the ESFAS, and the RPS. Omission of this functional unit from the list provides a potential for operator error when implementing ACTION 13. In addition, cross-referencing the two systems (ESF, RPS) for this parameter is consistent with the format of corresponding Table 3.3-1 for the RPS.

- c) For Process Measurement Circuit 3, "Steam Generator Level:"
  - i) <u>Delete</u> "Steam Generator Level-Low (AFAS, RPS)" from the <u>Functional Unit Bypassed</u> column, and
- ii) Add "Steam Generator Level-Low (RPS)", and
- iii) Add "If SG-2A, then AFAS-1 (AFAS)", and
- iv) Add "If SG-2B, then AFAS-2 (AFAS)."

The steam generator (SG) level process measurement circuits do not have cross-train functions within the AFAS. Thus, if the level measurement circuit for SG-2A is inoperable, only the corresponding AFAS-1 would be affected. Likewise, if the level measurement circuit for SG-2B is inoperable, only AFAS-2 would be affected. The proposed wording clarifies the required action and is consistent with the Unit 2 AFAS configuration.

- (3) On <u>Page 3/4 3-16</u>, TABLE 3.3-3, ACTION 14:
  - a) For Process Measurement Circuit 1, "Containment Pressure Circuit," <u>delete</u> the word "Circuit" from the description. The word is redundant, and is not consistent with the format of Table 3.3-1 (ACTION 2) or Table 3.3-3 (ACTION 13).
  - b) For Process Measurement Circuit 2, "Steam Generator Pressure - Low:"
    - i) <u>Delete</u> the modifier " Low" from the <u>process measurement</u> <u>circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units.

ii) <u>Delete</u> functional unit "Steam Generator △P 1 and 2 (AFAS)" from the <u>Functional Unit Bypassed</u> column, and <u>add</u> functional unit "AFAS-1 and AFAS-2 (AFAS)."

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The Steam Generator  $\Delta P$  function is included in the AFAS to identify a faulted steam generator, but has no specific manual bypass feature in the system designed for Unit 2. The proposed terminology is the proper nomenclature for the functional unit to be bypassed in the Unit 2 AFAS, and is in agreement with the labelling on the bypass (pushbutton) switches. FPL has obtained concurrence from the vendor that the proposed change would be appropriate for the purpose of minimizing potential operator confusion when implementing ACTION 14.

iii) <u>Add</u> functional unit "Steam Generator Pressure-Low (RPS)" to the <u>Functional Unit Bypassed</u> column.

The steam generator pressure process measurement circuit provides data to both the Main Steam Isolation Signal (MSIS) of the ESFAS, and the RPS. Omission of this functional unit from the list provides a potential for operator error when implementing ACTION 14. In addition, cross-referencing the two systems (ESF, RPS) for this parameter is consistent with the format of corresponding Table 3.3-1 for the RPS.

- c) For Process Measurement Circuit 3, "Steam Generator Level -Low:"
  - i) <u>Delete</u> the modifier " Low" from the <u>process measurement</u> <u>circuit</u> description.

The modifier is misleading in this context since measurement is not restricted to one direction, and inoperability of the process measurement circuit either high or low would affect the associated functional units. In addition, the description will be consistent with the same circuit listed in TABLE 3.3-3. ACTION 13.

- ii) <u>Delete</u> "Steam Generator Level-Low (RPS)(AFAS)" from the <u>Functional Unit Bypassed</u> column, and
- iii) Add "Steam Generator Level-Low (RPS)", and
- iv) Add "If SG-2A, then AFAS-1 (AFAS)", and
- v) Add "If SG-2B, then AFAS-2 (AFAS)."

The steam generator (SG) level process measurement circuits do not have cross-train functions within the AFAS. Thus, if the level measurement circuit for SG-2A is inoperable, only the corresponding AFAS-1 would be affected. Likewise, if the level measurement circuit for SG-2B is inoperable, only AFAS-2 would be affected. The proposed wording clarifies

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the required action, and is consistent with the Unit 2-AFAS configuration and the proposed wording for TABLE 3.3-3, ACTION 13.

f. The following change in text will correct an error in the action statement for an inoperable process monitor in the Unit 2 Fuel Handling Building Ventilation System (FHBVS), and will achieve consistency between the corresponding TS for Unit 1 and Unit 2.

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On <u>Page 3/4 3-27</u>, TABLE 3.3-6, under ACTION STATEMENTS: <u>revise ACTION</u> 24 by replacing, "comply with the ACTION requirements of Specification 3.6.6.1," with the proper requirement, "suspend all operations involving movement of fuel within the spent fuel storage pool and crane operations with loads over the spent fuel storage pool."

<u>Background</u>: TS 3.3.3.1 requires the Gaseous Activity and the Particulate Activity Process Monitors for the Fuel Storage Pool Area Ventilation System (part of the FHBVS) to be OPERABLE "with irradiated fuel in the storage pool or whenever there is fuel movement within the pool or crane operation with loads over the storage pool." These monitors sample the air stream, which includes the normal exhaust from the storage pool area, as it exits the Fuel Handling Building (FHB) via the FHB vent. If either of the process monitors is inoperable, ACTION 24 of TABLE 3.3-6 must be implemented.

ACTION 24 presently directs the operator to comply with the action requirements of TS 3.6.6.1, which apply to the Shield Building Ventilation System (SBVS). During operational MODES 1, 2, 3, and 4, the stated <u>ACTION</u> is, "With one SBVS inoperable, restore the inoperable system to OPERABLE status within 7 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours." For MODES 5 and 6 the stated <u>ACTION</u> is, "With one SBVS inoperable, restore the inoperable system to OPERABLE status within the next 7 days or suspend fuel movement within the spent fuel storage pool and crane operations over the spent fuel storage pool."

The SBVS is designed to collect and filter radioactive airborne fission products that may leak from the primary containment to the shield building annulus following the postulated LOCA. The system design also includes provisions for exhaust filtration in the event of a fuel handling accident in the reactor containment or the FHB. The SBVS exhausts to the Plant Vent, and is typically isolated from the FHBVS during normal plant operation.

Should a fuel handling accident occur in the FHB, the fuel storage pool area "criticality and ventilation system isolation monitor," which is composed of safety-related <u>Area Radiation Monitors</u>, will alarm and automatically isolate the FHB, shut off the FHBVS, and start the SBVS. The contaminated air will then be processed through the SBVS prior to being discharged to the environment. The FHBVS <u>Process Monitors</u> are not related to this series of automatic functions.

<u>Evaluation</u>: The subject reference to TS 3.6.6.1 is an error that has no pertinent design or safety related basis, and provides the potential for inappropriate operator actions in response to an inoperable process monitor. The FHBVS Process Monitors do not sample the SBVS air stream, are not part of the SBVS actuation logic that is designed to mitigate a fuel handling accident, and the operating status of these monitors is not otherwise related to SBVS operability. Moreover, the action statements of TS 3.6.6.1 are mode dependent, and the action specified for Modes 1-4 considers SBVS equipment availability for LOCA mitigation. Accident mitigation is not a function of the subject process monitors.

The operability requirements for the FHBVS Process Monitors are mode independent and related only to normal storage pool activities with irradiated fuel in the pool. The revised action statement will properly require such fuel pool activities to be suspended in the event that even one of the monitors becomes inoperable during any mode of plant operation. The proposed change in text will make ACTION 24 consistents with NUREG-0212, "Standard Technical Specifications for Combustion Engineering Pressurized Water Reactors," which was used for guidance during development of the Unit 2 TS; and, in addition, is in agreement with the corresponding TS for St. Lucie Unit 1.

g. The following minor change in text will correct an error of contradiction stated in the bases for the Emergency Core Cooling Systems (ECCS) found in Unit 2 Bases Section 3/4.5.

On <u>Page B 3/4 5-2</u>, under the heading "<u>ECCS SUBSYSTEMS (Continued)</u>:" <u>Revise</u> the first sentence by <u>replacing</u> the phrase "With the RCS temperature below 325 °F" with, "In MODE 3 with RCS pressure less than 1750 psia and in MODE 4."

Limiting Condition for Operation (LCO) 3.5.3 requires at least one Emergency Core Cooling System (ECCS) subsystem to be OPERABLE in MODE 3 with pressurizer pressure less than 1750 psia, and in MODE 4. One operable ECCS subsystem is acceptable for these plant conditions without single failure consideration, based on the stable reactivity condition of the reactor and the limited core cooling requirements.

The present wording of the subject bases section implies, erroneously, that one subsystem is acceptable only when RCS temperature is <u>below</u>  $325^{\circ}F$ . This is a contradiction since, by definition, the average RCS temperature for MODE 3 conditions is  $\geq 325^{\circ}F$ . The proposed wording will rectify the error and more accurately reflect the bases for LCO 3.5.3.

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## 3.0 TECHNICAL FINDING

The staff has reviewed all of the proposed changes and determined that they correct grammar, spelling, syntax, and errors. They also eliminate ' unnecessary deleted pages, clarify statements, rectify references, improve consistency within and between Units, and eliminate contradictions to more accurately reflect the actual bases for the associated LCOs. The changes are administrative in nature. For those reasons the staff finds the proposed changes acceptablé.

### 4.0 STATE CONSULTATION

Based upon the written notice of the proposed amendments, the Florida State official had no comments.

## 5.0 ENVIRONMENTAL CONSIDERATION

These amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding (59 FR 60379). Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

## 6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Norris

Date: March 15, 1995