



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 134 TO FACILITY OPERATING LICENSE NO. DPR-59  
POWER AUTHORITY OF THE STATE OF NEW YORK  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
DOCKET NO. 59-333

INTRODUCTION

By letter dated May 27, 1988, the Power Authority of the State of New York (PASNY or the licensee) requested changes to the Technical Specification (TS) for the FitzPatrick Nuclear Power Plant. The changes are meant to clarify and improve the quality of the TS.

DESCRIPTION

Some of the errors which this amendment addresses have been introduced as a result of previous amendments and some have existed since the initial TS were issued. The changes will correct typographical, grammatical, clerical, terminology, or other administrative errors and delete outdated material.

Specifically, the changes are (listed by TS page number) the following:  
(i)\* add "Specification 3.0" and its title "General" to the Table of Contents and change the page number for Specification 3.1 to "30f." The actual TS changes were issued as Amendment No. 83; (vi) add Tables 4.6-2, 3.12-1, 3.13-2, 3.12-3, 4.12-1, 4.12-2 and 4.12-3 and their titles to the List of Tables. The first table was added to the TS as Amendment No. 28 and the rest by Amendment No. 34 but were not added to the List of Tables at that time; (vii) update the List of Figures by adding a symbol to the title for Figure 3.1-2 and adding the specification number to the title for Figure 3.5-1, deleting Figure 3.5-9 (which was removed from the TS by Amendment No. 109), and adding Figure 3.5-12 (which was incorporated into the TS by Amendment No. 109); (1) correct the spelling of "explicitly" in the first sentence; (2) add "a" into the first sentence of the definition of Instrument Check to correct the grammatical error; (4)\* insert Amendment No. "83" at the bottom of the page to reflect that the page was affected by the amendment. Also, replace "trips" with "trip" in the first sentence of the definition for startup/hot standby mode; (5) correct the spelling of the abbreviation for "continued" at the top of the page and delete "a" from the Refueling Outage definition; (6) replace "a" with "n" in Specification 1.0.X.a before the word "systems," since n means number of systems. Also, place the n in the last line of the specification inside

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\* The described changes to this TS page have already been issued - they were part of an amendment which was submitted after the date of the submittal for this amendment. They are included here since they were part of the original submittal for this amendment.

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quotation marks; (8) replace "less than" with "less than or equal to" for core flow in Specification 1.1.B; (29) correct the spelling of "resulting" in Specification 1.2 and 2.2 Bases; (30b) correct the spelling of "inoperable" in Specification 3.0.E Bases; (34) rewrite the top paragraph, right column (3.1 Bases), to more clearly describe the nuclear instrumentation coverage for the designated modes of operation; (38) insert "44" into the Amendment Number list to show that the page was changed by this amendment; (41) indicate in Table 3.1-1 with an "X" that the manual scram trip function must be operable in the Run mode. Amendment No. 98 inadvertently deleted this indication when the amendment request was submitted and issued; (41b) add two Less Than Symbols to Table 3.1-1, one before and one after "P," for the turbine control valve fast closure trip setting. They were not included in an earlier revision to the page; (42)\* add a Less Than or Equal To Symbol to Table 3.1-1 for the setpoint of the 10% valve closure trip level setting and add "is less than" to Note 3 ahead of "1005." These were omitted from an earlier revision; (57) correct five grammatical errors (replace "drop" with "drops" in the second paragraph, remove "this" from the fourth paragraph, replace "of" with "or" in the fourth paragraph, replace "setting" with "settings" in the fifth paragraph, and replace "and" with "or" in the fifth paragraph before the "40"), and delete "flow" from the sixth paragraph to indicate that the reactor water cleanup trip instrumentation is independent of flow; (58) correct the spelling of "channel" in the ninth paragraph; (59) insert the present amendment number to the bottom of the page to control a change which was previously issued; (61) insert a "t" after the "2" in the mathematical equation for the optimum interval between tests; (68) insert "THIS ITEM INTENTIONALLY BLANK" for Item 10 in Table 3.2-2. This should have been included in the submittal for Amendment No. 84; (70a) replace "psid" with "dp" for Item 28 of Table 3.2-2 for the Trip Level Setting to more correctly identify the expression. Also, insert "THIS ITEM INTENTIONALLY BLANK" for Items 22, 23 and 24. These should have been included in the submittal for Amendment No. 48; (70b) insert "dp" in Item 31 to Table 3.2-2 for the trip level setting for the HPCI turbine steam line high flow trip function; (76c) correct the spelling of "permissible" in Note 13; (77)\* correct the symbol for the reactor water level instrument setting by replacing the Greater Than Symbol with a Greater Than Or Equal To symbol; (89a and 90) rearrange the information so that the appropriate paragraphs fall under the appropriate specification (4.3.A.2.e will reside in the right side column and 3.3.A.2.d will continue with the text on the next page); (91) replace "rods" with "rod" in Specification 3.3.B.1; (101) delete "feedwater from" in the fourth complete sentence of the first paragraph in the right column, since rod worth minimizer automatic cutout is determined by steam flow only-not feedwater flow; (106) insert "B" for the paragraph number to identify Specification 3.4.B; (114) add the change bars which should have been indicated from Amendment No. 95; (115a) delete "of 3700 gpm" from 4.5.B.1 which should have been removed in the submittal for Amendment No. 71 since it pertained to the emergency service water pump surveillance requirement. Also, the test criteria is given in the referenced TS section; (118) correct the paragraph referenced from 3.5.C to 3.5.C.1 in Specification 3.5.C.1.b; (119) replace "relief/safety" with "safety/relief" in four places for consistency of



terminology; (122) identify the specification by inserting "F" to designate Specification 3.5.F; (123) insert "at" to grammatically correct the fourth sentence of Specification 3.5.H; (142a)\* delete the "effective" date note since it is no longer needed; (142b)\* delete the "effective" date note since it is no longer needed and insert "This page intentionally blank;" (143) change Specification "3.6.B.1" to "3.6.E.1" and Specification "3.6.B.2" to "3.6.E.2" in Specification 3.6.E.3 to correct the reference. Also, delete the "effective" date note since it is no longer needed; (143a & b)\* delete the text on the pages since it is no longer needed and insert "This page is intentionally blank;" (144) replace "operable" with "inoperable" in the second sentence under Specification 3.6.G to correct a typographical error and correct the meaning of the specification; (152) delete "coincident high drywell pressure and" from the second sentence of the second paragraph since a plant modification F1-83-034 removed the high drywell pressure permissive for ADS actuation from the ADS logic. It was reflected in other TS pages in Amendment No. 84 but this page change was inadvertently omitted from the submittal. Also, in the same paragraph, replace "low-low" with "low-low-low" to correct an error which has existed since the initial TS were issued. Also, replace "relief/safety" with "safety/relief" in five places for terminology consistency; (153) insert "less than or equal to" before 212°F at the top of the page for clarification. Also, correct the spelling of "will" in the fourth paragraph of the Bases for Specification 3.6.F; (171) correct the referenced table from 3.7-1 to 4.7-2 in Specification 4.7.A.2.c.(1); (172) correct the referenced table from 3.7.2 to 4.7-2 in Specification 4.7.A.2.c.(4); (174) add "40" at the bottom of the page as an Amendment Number since this amendment affected this page. Also, correct a grammatical error by replacing "on" with "of" in the fourth sentence of Specification 4.7.A.2.f; (177)\* insert "less than or equal to" ahead of "0.5" in Specification 3.7.A.4.a; (178) replace "The" with "When" in the first line of Specification 3.7.A.5.a to correct a grammatical error; (179) replace "Chamberreactor building" with "chamber/drywell" for terminology consistency; (186) move the comma after "trip" and insert it after "level" to correct a grammatical error in Specification 4.7.D.1.c.(2); (194) replace "AEC" with "Commission" in two places in the fourth full paragraph. Also, reposition the comma from before "(16)" to after "(16)" in the same paragraph; (201) correct the drywell TIP purge penetration number from X-35B to X-35E in two places; (211, 212,\* 213\*) correct the table number from "3.7-2" to "4.7-2," which was incorrectly renumbered in the submittal for Amendment No. 40, to change it back to its original number; (214) change the third sentence of the first paragraph of Specification 3.8 to read: "If the test reveals the presence of 0.005 microcuries or more of removable contamination, the source shall be decontaminated, and repaired, or be disposed of in accordance with Commission regulations." for clarity. Also, insert "a" into the third sentence of Specification 4.8.2 before "certificate" to correct a grammatical error; (219) insert "one" into the first sentence of Specification 3.9.C.2.a. before the first "fuel oil." It was inadvertently omitted in the submittal for Amendment No. 83; (226) correct the spelling of "tests" in the Bases for Specification 4.9.F; (236) correct the spelling of "BASES;" (239)\* replace

"3.5.D" with "3.5.B" in Specification 3.11.B.1. Also, correct the spelling of "ventilation" in Specification 4.11.C.1; (240) insert "both ESW systems shall be" in the first sentence of Specification 3.11.D.1 for clarity and delete "the" from the first line to correct a grammatical error; (242) replace "3.11.E.1" with "4.11.E.1" in Specification 4.11.E.2 to correct the error; (244a) replace "once/week" with "once/month" for the test frequency specified in Section 4.12.A.1.b to correct an error introduced when the submittal for Amendment No. 80 was produced. This change was mistakenly incorporated into the Amendment but was never analyzed by the licensee or the NRC and restores the frequency to that existing prior to Amendment No. 80; (244f) replace table "3.12.2" with "3.12.3" to correct Specification 3.12.D.1.a and b; (244i) replace table "3.12.2" with "3.12.3" to correct Specification 3.12.D Bases; and (248) replace "Coordinator" with "Superintendent" in the first paragraph of Section 6.4 to be consistent with the organization chart.

#### EVALUATION

The administrative or editorial changes do not change any limiting conditions for operation, surveillance requirement, setpoint or safety limit; nor do they affect the environmental monitoring program. These changes clarify and improve the quality of the Technical Specifications by correcting editorial errors.

The majority of the changes are the correction of typographical errors. These errors consist primarily of misspelled words but also include inadvertent deletion or misplacement of text. In some cases, in the process of updating a page for a previous amendment, portions of text were inadvertently deleted. In the case of misplaced text, (which occurred once) a paragraph of one specification was moved into the adjacent specification. Resolution of these types of errors restore the TS to their proper format. These proposed changes do not effect plant operations since they are non-technical in nature.

Grammatical errors include missing words and improper punctuation. Correction of these errors make the TS easier to read. Other errors are strictly administrative. These include expired pages and specifications. Removal of the expired pages and specifications eliminate the possibility of referring to an inapplicable specification.

The change to Table 3.1-2 (page 41) adds a requirement that a manual scram trip function be operable in the run mode. This requirement has existed since the initial issuance of the TS but was inadvertently removed when updating the table for a previous submittal. This proposed change returns the tables to its original condition.

The change to page 144 will correct a condition for plant shutdown resulting from jet pump operability. The existing specification states that the reactor

shall be placed in a cold condition if a jet pump is operable. This is in direct contrast to the preceding sentence which states that, whenever the reactor is in a mode other than refueling, all jet pumps must be operable. This change will correct the specification to state that whenever a jet pump is inoperable, the reactor must be placed in a cold condition.

The changes to page 152 are needed to achieve consistency throughout the TS. The elimination of "...conincident drywell pressure..." from specification 3.6.E BASES is consistent with the changes brought about as a result of a plant modification which eliminated the high drywell pressure permissive for ADS actuation from the ADS logic. This change has previously been approved and issued by Amendment 84. The inclusion of this change in the submittal for this amendment was inadvertently omitted.

Replacement of "low-low" in the same specification with "low-low-low" is necessary in order for the specification to agree with Table 3.2-2. This error has existed since the initial issuance of the TS.

The change to page 244a replaces the "once/week" surveillance frequency for the high pressure water fire protection system pumps to "once/month". This change was erroneously introduced in the process of updating the page for a submittal which was approved and issued as Amendment 80. This submittal did not describe a change to this surveillance frequency and the surveillance frequency of once/month is a condition that has always existed. This change will return the surveillance interval to its original value.

The proposed changes to the Technical Specifications do not change any system or subsystem and will not alter the conclusions of either the FSAR or SER accident analysis. They are, therefore, acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the administrative procedures or requirements. In addition, the amendment involves issuance of an amendment to a permit or license for a reactor pursuant to 10 CFR Part 50 which changes a requirement with respect to use of a facility component located within the restricted area, as defined in 10 CFR Part 20, and changes a surveillance requirement. The staff has determined that the amendment involves 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9) and 51.22(c)(10). Pursuant to 10 CFR Part 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.



CONCLUSION

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: July 19, 1989

PRINCIPAL CONTRIBUTOR:

David E. LaBarge