

# CATEGORY 1

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 RECIP. NAME      RECIPIENT AFFILIATION  
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SUBJECT: Requests revision to TS for HNP which revises 3.3.2 in  
 Action 16 of Table 3.3-3 to add specific time interval of  
 six h to place an inoperable channel in bypassed condition,  
 IAW 10CFR50.90.

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Carolina Power & Light Company  
PO Box 165  
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William R. Robinson  
Vice President  
Harris Nuclear Plant

SERIAL: HNP-97-034  
10 CFR 50.90

FEB 21 1997

United States Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
REQUEST FOR LICENSE AMENDMENT  
PROPOSED SPECIFIC TIME LIMIT TO PLACE CHANNEL IN BYPASS

Dear Sir or Madam:

In accordance with the Code of Federal Regulations, Title 10, Part 50.90, Carolina Power & Light Company (CP&L) hereby requests a revision to the Technical Specifications (TS) for the Harris Nuclear Plant (HNP). The requested change revises Specification 3.3.2 in Action 16 of Table 3.3-3 to add a specific time interval of six hours to place an inoperable channel in a bypassed condition.

Enclosure 1 provides a detailed description of the proposed changes and the basis for the changes.

Enclosure 2 details, in accordance with 10 CFR 50.91(a), the basis for the Company's determination that the proposed changes do not involve a significant hazards consideration.

Enclosure 3 provides an environmental evaluation demonstrating that the proposed amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Therefore, pursuant to 10 CFR 51.22(b), no environmental assessment is required for approval of this amendment request.

Enclosure 4 provides page change instructions for incorporating the proposed revisions.

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Enclosure 5 provides the proposed Technical Specification pages.

In accordance with 10 CFR 50.91(b), CP&L is providing the State of North Carolina with a copy of the proposed license amendment.

Please refer any questions regarding this submittal to Ms. D. B. Alexander at (919) 362-3190.

In order to allow time for procedure revision and orderly incorporation into copies of the Technical Specifications, CP&L requests that the proposed amendment, once approved by the NRC be implemented within 60 days of issuance of the amendment.

Sincerely,



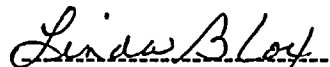
Vice President  
Harris Nuclear Plant

CSB/twk

Enclosures:

1. Basis for Change Request
2. 10 CFR 50.92 Evaluation
3. Environmental Considerations
4. Page Change Instructions
5. Technical Specification Pages

W. R. Robinson, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are employees, contractors, and agents of Carolina Power & Light Company.



Notary (Seal)

My commission expires: *January 25, 2001*



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HNP-97-034 / Page 3

c: Mr. J. B. Brady, NRC Senior Resident Inspector  
Mr. Dayne H. Brown, N.C. DEHNR  
Mr. L. A. Reyes, NRC Regional Administrator  
Mr. N. B. Le, NRC Project Manager

bc:	Ms. P. B. Brannan	Mr. R. D. Martin
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	Ms. S. F. Flynn	Mr. M. A. Turkal (BNP)
	Mr. H. W. Habermeyer, Jr.	Mr. T. D. Walt
	Mr. W. J. Hindman	Nuclear Records
	Ms. W. C. Langston (PE&RAS File)	File: HI/A-2D
		File: H-X-0511

ENCLOSURE 1

SHEARON HARRIS NUCLEAR POWER PLANT  
NRC DOCKET NO. 50-400/LICENSE NO. NPF-63  
REQUEST FOR LICENSE AMENDMENT  
PROPOSED SPECIFIC TIME LIMIT TO PLACE CHANNEL IN BYPASS

BASIS FOR CHANGE REQUEST

Background

There are four channels of instrumentation monitoring the level of the Refueling Water Storage Tank (RWST). Unlike most instrumentation for the Engineered Safety Features Actuation System (ESFAS) the bistables fed by these level channels must be energized rather than de-energized to perform their safety function. The safety function provided is to automatically open the suction valves from the containment sump when two of the four channels sense that the RWST level is at the Low-Low setpoint of 23.4% following a Safety Injection signal. When one channel is inoperable, Action 16 of Table 3.3-3 directs that the inoperable channel be placed in bypass, but provides no specific time in which to complete the action. The monthly ANALOG CHANNEL OPERATIONAL TEST requires that a channel be placed briefly in the tripped condition which renders the channel under test inoperable. The absence of a specific time requirement for this Action generates a concern for how long the channel can remain in trip to support required testing before being placed in bypass. Action 16 also applies to an inoperable Containment Pressure High-3 channel, which is another energize to actuate function. The same completion time is appropriate to both functions. Therefore HNP is requesting a change to specify that an inoperable channel must be placed in the bypass condition within six hours.

Basis

The proposed completion time provides definitive guidance for placing a channel in bypass and is the same as the time specified in the Standard Technical Specifications - Westinghouse Plants, NUREG-1431, Rev.1 under Conditions E and K of Table 3.3.2-1, Engineered Safety Feature Actuation System Instrumentation for the same functions.

Conclusions

The requested change revises the Technical Specifications to provide a definitive time limit of six hours for Action 16 of Table 3.3-3 to place an inoperable channel into the bypassed condition. The proposed time limit provides appropriate specific guidance and is identical to the times given in NUREG-1431, Rev.1.



ENCLOSURE 2

SHEARON HARRIS NUCLEAR POWER PLANT  
NRC DOCKET NO. 50-400/LICENSE NO. NPF-63  
REQUEST FOR LICENSE AMENDMENT  
PROPOSED SPECIFIC TIME LIMIT TO PLACE CHANNEL IN BYPASS

10 CFR 50.92 EVALUATION

The Commission has provided standards in 10 CFR 50.92(c) for determining whether a significant hazards consideration exists. A proposed amendment to an operating license for a facility involves no significant hazards consideration if operation of the facility in accordance with the proposed amendment would not: (1) involve a significant increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any accident previously evaluated, or (3) involve a significant reduction in a margin of safety. Carolina Power & Light Company has reviewed this proposed license amendment request and determined that its adoption would not involve a significant hazards determination. The bases for this determination are as follows:

Proposed Change

Carolina Power & Light Company proposes to add a definitive time limit of six hours to Technical Specification 3.3.2 in Action 16 of Table 3.3-3 to place an inoperable channel in to bypass.

Basis

This change clarification does not involve a significant hazards consideration for the following reasons:

1. The proposed amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated.

The proposed change does not affect the operation or design of the plant in any way. The requirement to place the channel into bypass already exists and this change simply provides a specific time limit. This logic circuit is not an initiator of any event and with no change in logic or operation there is no change in consequences.

2. The proposed amendment does not create the possibility of a new or different kind of accident from any accident previously evaluated.

The proposed specific time limit does not involve any physical alterations or additions to plant equipment or alter the manner in which any safety-related system performs its function. Therefore, the proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. The proposed amendment does not involve a significant reduction in the margin of safety.

The proposed change replaces an indeterminate time period with a specific limit of six hours. Six hours is a reasonable period in which to complete this requirement and is identical to the time allowed for these functions in NUREG-1431. Therefore, the proposed change does not involve a significant reduction in a margin of safety.

ENCLOSURE 3

SHEARON HARRIS NUCLEAR POWER PLANT  
NRC DOCKET NO. 50-400/LICENSE NO. NPF-63  
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ENVIRONMENTAL CONSIDERATIONS

10 CFR 51.22(c)(9) provides criterion for and identification of licensing and regulatory actions eligible for categorical exclusion from performing an environmental assessment. A proposed amendment to an operating license for a facility requires no environmental assessment if operation of the facility in accordance with the proposed amendment would not: (1) involve a significant hazards consideration; (2) result in a significant change in the types or significant increase in the amounts of any effluents that may be released offsite; (3) result in a significant increase in individual or cumulative occupational radiation exposure. Carolina Power & Light Company has reviewed this request and determined that the proposed amendment meets 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 needs to be prepared in connection with the issuance of the amendment. The basis for this determination follows:

Proposed Change

Carolina Power & Light Company proposes to add a definitive time limit of six hours to Technical Specification 3.3.2 in Action 16 of Table 3.3-3 to place an inoperable channel in to bypass.

Basis

The change meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9) for the following reasons:

1. As demonstrated in Enclosure 2, the proposed amendment does not involve a significant hazards consideration.
2. The proposed amendment does not result in a significant change in the types or significant increase in the amounts of any effluents that may be released offsite.

The proposed change does not involve any new equipment or require existing systems to perform a different type of function than they are currently designed to perform. The change does not introduce any new effluents or increase the quantities of existing effluents. As such, the change cannot affect the types or amounts of any effluents that may be released offsite.

3. The proposed amendment does not result in a significant increase in individual or cumulative occupational radiation exposure.

The proposed change does not result in any physical plant changes or new surveillances which would require additional personnel entry into radiation controlled areas. Therefore, the amendment has no effect on either individual or cumulative occupational radiation exposure.