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DUKE POWER

May 17, 1991

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Catawba Nuclear Station
Docket No. 50-413, -414
Selected Licensee Commitments Manual (SLC)

Gentlemen:

Pursuant to 10 CFR 50.4 and 50.71, please find attached 7 copies of the latest revision dated 5/91 to the Catawba Selected Licensee Commitments Manual. The SLC Manual is Chapter 16.0 to the Catawba FSAR. This manual is meant to contain commitments and other station issues that we believe warrant higher control, but are not appropriate in the Technical Specifications (TS). Instead of being updated with the annual FSAR Update, the SLC Manual will be updated monthly as needed during the year.

Very truly yours,

M.S. Tuckman

M.S. Tuckman

HAF/haf

Attachment

xc: S. D. Ebner
Regional Administrator, Region II

T. A. Reed, ONRR

W. T. Orders, Catawba

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May 17, 1991

RE: Catawba Nuclear Station
Selected Licensee Commitments
Effective 5/91

Please revise your copy of the Selected Licensee Commitments manual as follows:

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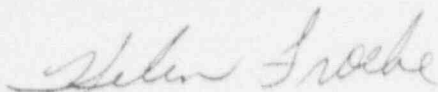
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If you have any questions or problems, I may be contacted at (704) 373-7720.

R. L. Gill, Jr., Technical System Manager
Regulatory Compliance



By: Helen Froebe
Regulatory Compliance

HAF/hf

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS
MANUAL
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16.9 AUXILIARY SYSTEMS

FIRE PROTECTION SYSTEMS

16.9-6 FIRE DETECTION INSTRUMENTATION

COMMITMENT

As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 16.9-3 shall be OPERABLE.

APPLICABILITY:

Whenever equipment protected by the fire detection instrument is required to be OPERABLE.

REMEDIAL ACTION:

- a. With any, but not more than one-half the total in any fire zone, Function A fire detection instruments shown in Table 16.9-3 inoperable, restore the inoperable instrument(s) to OPERABLE status within 14 days or within 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment, then inspect that containment zone at least once per 8 hours or monitor the containment air temperature at least once per hour at the locations listed in Specification 4.6.1.5.
- b. With more than one-half of the Function A fire detection instruments in any fire zone shown in Table 16.9-3 inoperable, or with any Function B fire detection instruments shown in Table 16.9-3 inoperable, or with any two or more adjacent fire detection instruments shown in Table 16.9-3 inoperable, within 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment, then inspect that containment zone at least once per 8 hours or monitor the containment air temperature at least once per hour at the locations listed in Specification 4.6.1.5.

TESTING REQUIREMENTS:

- a. Each of the above required flame detection instruments which are accessible during plant operation shall be demonstrated OPERABLE at least once per 6 months by performance of a TRIP ACTUATING DEVICE OPERATIONAL TEST. Detectors which are not accessible during plant operation shall be demonstrated OPERABLE by the performance of a TRIP ACTUATING DEVICE OPERATIONAL TEST during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

Each of the above required smoke detection instruments shall be demonstrated OPERABLE at least once per 6 months by performance of VISUAL INSPECTION and at last once per year by performance of a TRIP ACTUATING DEVICE OPERATIONAL TEST. Detectors which are not accessible during plant operation shall be demonstrated operable by the performance of a VISUAL INSPECTION during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months. A TRIP ACTUATING DEVICE OPERATIONAL TEST shall be performed during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 12 months.

All spot type heat detectors shall be VISUALLY INSPECTED at least once per 6 months. Detectors which are not accessible during plant operation shall be VISUALLY INSPECTED during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

Each of the above required heat detection instruments shall be demonstrated OPERABLE as follows:

- i. For nonrestorable spot-type detectors, at least two detectors out of every hundred, or fraction thereof, shall be removed every 5 years and functionally tested. For each failure that occurs on the detectors removed, two additional detectors shall be removed and tested; and
 - ii. For restorable spot-type heat detectors, at least one detector on each signal initiating circuit shall be demonstrated OPERABLE at least once per 6 months by performance of a TRIP ACTUATING DEVICE OPERATIONAL TEST. Different detectors shall be selected for each test. Fire detectors which are not accessible during plant operation shall be demonstrated OPERABLE by the performance of a TRIP ACTUATING DEVICE OPERATIONAL TEST during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.
- b. The NFPA Standard 72D supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments shall be demonstrated OPERABLE at least once per 6 months.

REFERENCES:

- 1) Catawba FSAR, Section 9.5.1
- 2) Catawba SER, Section 9.5.1
- 3) Catawba SER, Supplement 2, Section 9.5.1
- 4) Catawba SER, Supplement 3, Section 9.5.1
- 5) Catawba Fire Protection Review, as Revised
- 6) Catawba Fire Protection Commitment Index

BASES:

OPERABILITY of the detection instrumentation ensures that both adequate warning capability is available for prompt detection of fires and that Fire Suppression Systems, that are actuated by fire detectors, will discharge extinguishing agents in a timely manner. Prompt detection and suppression of fires will reduce the potential for damage to safety-related equipment and is an integral element in the overall facility Fire Protection Program.

Fire detectors that are used to actuate Fire Suppression Systems represent a more critically important component of a plant's Fire Protection Program than detectors that are installed solely for early fire warning and notification. Consequently, the minimum number of OPERABLE fire detectors must be greater.

The loss of detection capability for Fire Suppression Systems, actuated by fire detectors, represents a significant degradation of fire protection for any area. As a result, the establishment of a fire watch patrol must be initiated at an earlier stage than would be warranted for the loss of detectors that provide only early fire warning. The establishment of frequent fire patrols in the affected areas is required to provide detection capability until the inoperable instrumentation is restored to OPERABILITY.