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June 20, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: Catawba Nuclear Station, Unit 1
Docket No. 50-413
Draft Technical Specifications

Dear Mr. Denton:

Based on the telephone conversation between Mr. Fred Anderson of your staff and representatives of Duke Power Company, attached are changes to the Catawba Draft Technical Specifications.

Very truly yours,

Hal B. Tucker

Hal B. Tucker

RWO/php

Attachment

cc: Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
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NRC Resident Inspector
Catawba Nuclear Station

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TABLE 3.3-6 (Continued)

TABLE NOTATIONS

* With fuel in the fuel storage pool areas.

** With irradiated fuel in the fuel storage pool areas.

*** Trip Setpoint concentration value (μCi/ml) is to be established such that the actual submersion dose rate would not exceed 2 mR/h in the containment building. The Setpoint value may be increased up to the equivalent limits of Specification 3.11.2.1 in accordance with the methodology and parameters in the ODCM during containment purge or vent, ~~provided~~ the Setpoint value ~~does not exceed the maximum concentration activity in the containment~~ will be determined ~~by the~~ sample analysis performed prior to each release in accordance with Table 4.11-2 and administratively controlled per Station procedures. as a function of

ACTION STATEMENTS

ACTION 30 - With less than the Minimum Channels OPERABLE requirement, operation may continue provided the containment purge and exhaust valves are maintained closed.

ACTION 31 - With the number of operable channels one less than the Minimum Channels OPERABLE requirement, within 1 hour isolate the affected Control Room Ventilation System intake from outside air with recirculating flow through the HEPA filters and charcoal adsorbers.

ACTION 32 - With less than the Minimum Channels OPERABLE requirement, operation may continue for up to 30 days provided an appropriate portable continuous monitor with the same Alarm Setpoint is provided in the fuel storage pool area. Restore the inoperable monitors to OPERABLE status within 30 days or suspend all operations involving fuel movement in the fuel building.

ACTION 33 - Must satisfy the ACTION requirement for Specification 3.4.6.1.

ACTION 34 - With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirement, operation may continue provided the Fuel Handling Ventilation Exhaust System is operating and discharging through the HEPA filters and charcoal adsorbers. Otherwise, suspend all operations involving fuel movement in the fuel building.

ACTION 35 - With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirement, operation may continue provided the Auxiliary Building Filtered Ventilation Exhaust System is operating and discharging through the HEPA filter and charcoal adsorbers.

ACTION 36 - With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirement, operation may continue for up to 30 days provided that, at least once per 12 hours, grab samples are collected and analyzed for radioactivity (gross gamma) at a lower limit of detection of no more than $10^{-7}$ μCi/ml.

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION FOR PLANT OPERATIONS SURVEILLANCE REQUIREMENTS

| FUNCTIONAL UNIT | CHANNEL CHECK | CHANNEL CALIBRATION | ANALOG CHANNEL OPERATIONAL TEST | MODES FOR WHICH SURVEILLANCE IS REQUIRED |
|---|---|---|---|---|
| 1. Containment | | | | |
| a. Containment Atmosphere - High Gaseous Radioactivity (Low Range - EMF-39) | S | R | M | All |
| b. Reactor Coolant System Leakage Detection (Low Range - EMF-38 and Low Range - EMF-39) | S | R | M | 1, 2, 3, 4 |
| 2. Fuel Storage Pool Areas | | | | |
| a. High Gaseous Radioactivity (Low Range - EMF-42) | S | R | M | ** |
| b. Criticality-Radiation Level (Fuel Bridge - Low Range - EMF-15) | S | R | M | * |
| 3. Control Room | | | | |
| Air Intake Radiation Level - High Gaseous Radioactivity - (Low Range - EMF-43 A & B) | S | R | M | All |
| 4. Auxiliary Building Ventilation | | | | |
| High Gaseous Radioactivity (Low Range - EMF-41 [illegible]) | S | R | M | All |
| 5. Component Cooling Water System (EMF-46 A&B) | S | R | M | All |

TABLE NOTATIONS

* With fuel in the fuel storage pool area.
** With irradiated fuel in the fuel storage pool areas.

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ACCIDENT MONITORING INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.3.6 The accident monitoring instrumentation channels shown in Table 3.3-10 shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTION:

a. With the number of OPERABLE accident monitoring instrumentation channels less than the Total Number of Channels shown in Table 3.3-10, restore the inoperable channel(s) to OPERABLE status within 7 days, or be in at least HOT SHUTDOWN within the next 12 hours.

b. With the number of OPERABLE accident monitoring instrumentation channels except the unit vent-high range ~~noble gas~~ monitor, the steam relief valve exhaust radiation monitor, the containment atmosphere-high range radiation monitor, and the reactor coolant radiation level less than the Minimum Channels OPERABLE requirements of Table 3.3-10, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

c. With the number of OPERABLE Channels for the unit vent-high range ~~noble gas~~ monitor, or the steam relief valve exhaust radiation monitor, or the containment atmosphere-high range radiation monitor, or the reactor coolant radiation level less than required by the Minimum Channels OPERABLE requirements, initiate ~~the preplanned~~ an alternate method of monitoring the appropriate parameter(s) within 72 hours, and either restore the inoperable channel(s) to OPERABLE status within 7 days or prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days that provides actions taken, cause of the inoperability, and the plans and schedule for restoring the channels to OPERABLE status.

d. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.6 Each accident monitoring instrumentation channel shall be demonstrated OPERABLE by performance of the CHANNEL CHECK and CHANNEL CALIBRATION operations at the frequencies shown in Table 4.3-7.

TABLE 3.3-10 (Continued)

ACCIDENT MONITORING INSTRUMENTATION

| INSTRUMENT | TOTAL NO. OF CHANNELS | MINIMUM CHANNELS OPERABLE |
|---|---|---|
| 15. In Core Thermocouples | 4/core quadrant | 2/core quadrant |
| 16. Unit Vent - High Range ~~Noble Gas~~ Area Monitor (EMF-54) | N.A. | 1 |
| 17. Steam Relief Valve Exhaust Radiation Monitor (EMF-26, 27, 28, ~~and~~ or 29) | N.A. | 1/~~steam line~~ |
| 18. Containment Area - High Range Radiation Monitor (EMF-53 A~~&~~or B) | N.A. | 1 |
| 19. Reactor Vessel Water Level | 2 | 1 |
| 20. Reactor Coolant Radiation Level (EMF-48) | N.A. | 1 |

TABLE NOTATIONS

* Not applicable if the associated block valve is in the closed position.

** Not applicable if the associated block valve is in the closed position and power is removed.

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