

DUKE POWER COMPANY

P.O. BOX 33189  
CHARLOTTE, N.C. 28242

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

June 20, 1984

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

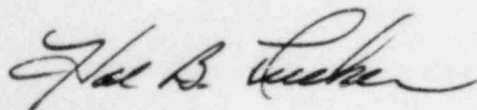
Attention: Ms. E. G. Adensam, Chief  
Licensing Branch No. 4

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

RWO/php

Attachment

cc: Mr. James P. O'Reilly  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

NRC Resident Inspector  
Catawba Nuclear Station

Mr. Robert Guild, Esq.  
Attorney-at-Law  
P. O. Box 12097  
Charleston, South Carolina 29412

Palmetto Alliance  
2135½ Devine Street  
Columbia, South Carolina 29205

Mr. Jesse L. Riley  
Carolina Environmental Study Group  
854 Henley Place  
Charlotte, North Carolina 28207

8406250310 840620  
PDR ADOCK 05000413  
A FDR

3001  
11

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 ( $\mu\text{Ci/ml}$ ) 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 determined by the sample analysis performed prior to each release in accordance with Table 4.11-2, and administratively controlled per Station procedures.~~

will be  
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  $10^{-7} \mu\text{Ci/ml}$ .

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION FOR PLANT  
OPERATIONS SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>ANALOG CHANNEL OPERATIONAL TEST</u>	<u>MODES FOR WHICH SURVEILLANCE IS REQUIRED</u>
1. Containment				
a. Containment Atmosphere - High Gaseous Radioactivity (Low Range - EMF-39)	S	R	M	A11
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	A11
4. Auxiliary Building Ventilation				
High Gaseous Radioactivity (Low Range - EMF-41 <del>A &amp; B</del> )	S	R	M	A11
5. Component Cooling Water System (EMF-46 A&B)	S	R	M	A11

TABLE NOTATIONS

\* With fuel in the fuel storage pool area.

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

DRAFT

## INSTRUMENTATION

DRAFT

### 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~~ 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

<u>INSTRUMENT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>
15. In Core Thermocouples	4/core quadrant	2/core quadrant
16. Unit Vent - <del>High Range Noble Gas</del> <sup>-High Area</sup> Monitor (EMF-54)	N.A.	1
17. Steam Relief Valve Exhaust Radiation Monitor (EMF-26, 27, 28, <sup>or</sup> <del>and</del> 29)	N.A.	<del>1/steam line</del>
18. Containment Area - High Range Radiation Monitor (EMF-53 A <sup>or</sup> 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.

DRAFT