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Wayne H. Jens
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Nuclear
Operations

March 12, 1985
NE-85-0458

Director of Nuclear Reactor Regulation
Attention: Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Youngblood:

Reference: Fermi 2
NRC Docket No. 50-341

Subject: Request Change to Draft Fermi 2
Technical Specifications

Please revise the draft Fermi 2 Technical Specifications as indicated on the attachment.

During preparation of surveillance procedures for the existing technical specification on hydrogen recombiners, a determination was made that surveillance requirement 4.6.6.1.a required clarification regarding the location where temperature would be measured. In addition it was determined that a more meaningful test would be to measure the heater outlet gas temperature as currently required at several other recently licensed BWR plants. The heater outlet gas temperature is more representative of the reaction chamber gas temperature which is the parameter that is automatically controlled to ensure recombination. Based upon functional tests performed by the vendor on similar units, the heater outlet gas temperature should exceed 1150°F within 75 minutes. Stable operation of the heater control system can be determined by ensuring that the heater outlet gas temperature is maintained greater than or equal to 1150°F for one hour.

The proposed change to Table 3.8.4.2-1 corrects an error in the Table determined during the preparation of surveillance procedures.

I hereby certify that these proposed changes reflect the plant, Final Safety Analysis Report and the staff's Safety Evaluation Reports in all material respects.

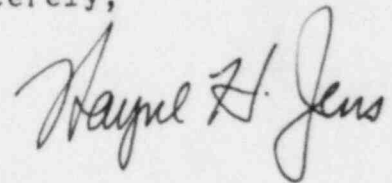
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Mr. B. J. Youngblood
March 12, 1985
NE-85-0458
Page 2

Please direct any questions to Mr. O. K. Earle at (313)
586-4211.

Sincerely,

A handwritten signature in cursive script, reading "Wayne H. Jens". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

Attachment

cc: Mr. D. S. Brinkman
Mr. P. M. Byron
Mr. M. D. Lynch
USNRC Document Control Desk
Washington, D.C. 20555

I, WAYNE H. JENS, do hereby affirm that the foregoing statements are based on facts and circumstances which are true and accurate to the best of my knowledge and belief.

Wayne H. Jens

WAYNE H. JENS
Vice President
Nuclear Operations

On this 12th day of March, 1985,
before me personally appeared Wayne H. Jens, being first
duly sworn and says that he executed the foregoing as his
free act and deed.

Marvin Buck

Notary Public

Notary Public, Washtenaw County, MI
My Commission Expires Dec. 23, 1987

Acting in Monroe
County, Mi

3/4.6.6 PRIMARY CONTAINMENT ATMOSPHERE CONTROLDRYWELL AND SUPPRESSION CHAMBER HYDROGEN RECOMBINER SYSTEMSLIMITING CONDITION FOR OPERATION

3.6.6.1 Two independent drywell and suppression chamber hydrogen recombiner systems shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION: With one drywell and/or suppression chamber hydrogen recombiner system inoperable, restore the inoperable system to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.6.6.1 Each drywell and suppression chamber hydrogen recombiner system shall be demonstrated OPERABLE:

- a. At least once per 6 months by verifying ^{outlet gas} during a recombiner system functional test that the ~~minimum~~ heater ~~sheath~~ temperature increases to greater than or equal to 1150°F within ~~60~~ ⁷⁵ minutes ~~x~~ ^{Maintain \geq 1150°F} for at least ~~2~~ ¹ hour~~s~~. and is maintained
- b. At least once ¹ per 18 months by:
 1. Performing a CHANNEL CALIBRATION of all recombiner operating instrumentation and control circuits.
 2. Verifying the integrity of all heater electrical circuits by performing a resistance to ground test within 60 minutes following the above required functional test. The resistance to ground for any heater phase shall be greater than or equal to 10,000 ohms.
 3. Verifying through a visual examination that there is no evidence of abnormal conditions within the recombiner enclosure; i.e., loose wiring or structural connections, deposits of foreign materials, etc.
- c. By measuring the system leakage rate as a part of the overall integrated leakage rate test required by Specification 3.6.1.2.

TABLE 3.8.4.2-1 (Continued)
PRIMARY CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER AND LOCATION	TYPE	SOURCE	TRIP OR FUSE RATING (A)	RESPONSE TIME ms/cycle	SYSTEMS/COMPONENTS POWERED
72F-4A-2A(R) (fuse box R1600S005G)	Bussmann (FRN)	72F-4A-2A(R)	15 A	N.A.	T4700-C004 drywell cooling fan 4 motor winding heater
30A fuse block 15A circuit breaker (single pole) (H21-P328A)	Bussmann Square D (NOOB) (FRN)	Dist. Pnl. H21-P553 Ckt. #13	15 A	N.A.	T4700-C001 and -C002 cooling fans 1 and 2 vibr. sw. reset coils
30A fuse block (single pole)	Bussmann (FRN)	Dist. Pnl. H21-P553 Ckt. #13	5 A	N.A.	T4700-C001 and -C002 cooling fans 1 and 2 vibr. sw. reset coils
30A fuse block 15A circuit breaker (single pole) (H21-P328B)	Bussmann Square D (NOOB) (FRN)	Dist. Pnl. H21-P555 Ckt. #16	15 A	N.A.	T4700-C003 and -C004 cooling fans 3 and 4 vibr. sw. reset coils
30A fuse block (single pole)	Bussmann (FRN)	Dist. Pnl. H21-P555 Ckt. #16	5 A	N.A.	T4700-C003 and -C004 cooling fans 3 and 4 vibr. sw. reset coils
5. 130V dc					
4.16 kV switchgear Bus 65G, Position G3	Bussmann (FRN)	130V dc at swgr. Bus 65G	15 A (3 fuses)	N.A.	B3100-S001A MG Set A drive motor control circuit
4.16kV switchgear Bus 65G, Position G5	Bussmann (FRN)	130v dc at swgr. Bus 65G	15 A (3 fuses)	N.A.	B3100-S001B MG Set B drive motor control
480 V switchgear Bus 72F, Position 2C	Bussmann (FRN)	130V dc at swgr. Bus 72F	15 A (3 fuses)	N.A.	G3303-C001A reactor water clean-up system recirculating Pump "A" drive motor control circuit
480V switchgear Bus 72E, Position 2D	Bussmann (FRN)	130V dc at swgr. Bus 72E	15 A (3 fuses)	N.A.	G3303-C001B reactor water clean-up system circulating pump "B" drive motor control circuit