

Exhibit B

Prairie Island Nuclear Generating Plant

License Amendment Request Dated December 26, 1990

Proposed Changes Marked Up
On Existing Technical Specification Pages

Exhibit B consists of existing Technical Specification pages with the proposed changes written on those pages. Existing pages affected by this License Amendment Request are listed below:

TABLE TS.3.5-4

TABLE TS.4.1-1 (Page 2 of 5)

INSTRUMENT OPERATING CONDITIONS FOR ISOLATION FUNCTIONS

FUNCTIONAL UNIT	1 MINIMUM OPERABLE CHANNELS	2 MINIMUM DEGREE OF REDUNDANCY	3 PERMISSIBLE BYPASS CONDITIONS	4 OPERATOR ACTION IF CONDITIONS OF COLUMN 1 or 2 CANNOT BE MET
1. CONTAINMENT ISOLATION				
a. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Hot shutdown**
b. Manual	2	1		Hot shutdown
2. CONTAINMENT VENTILATION ISOLATION				
a. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Maintain Purge and Inservice Purge Valves closed if (1) conditions of a, b, or c cannot be met above COLD SHUTDOWN or (2) if conditions of b or c cannot be met during fuel handling in containment.
b. High Radiation in Exhaust Air	2	1		
c. Manual	2	1		
3. STEAM LINE ISOLATION				
a. HI-HI Steam Flow with Safety Injection	2/loop	1		Hot Shutdown**
b. HI Steam Flow and 2 of 4 Low T_{avg} with Safety Injection	2/loop	1		Hot Shutdown**
c. HI Containment Pressure	2	1		Hot Shutdown**
d. Manual	1/loop	-		Hot Shutdown**
4. EMERGENCY COOLDOWN EQUIPMENT ROOM ISOLATION				
a. High temperature in ventilation system ducts	2	1		Hot Shutdown**

**If minimum conditions are not met within 24 hours, steps shall be taken on the affected unit to place the unit in COLD SHUTDOWN conditions.

TABLE TS.3.5-4
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TABLE TS.3.5-4 (Page 2 of 2)

INSTRUMENT OPERATING CONDITIONS FOR ISOLATION FUNCTIONS

<u>FUNCTIONAL UNIT</u>	<u>1</u> MINIMUM OPERABLE CHANNELS	<u>2</u> MINIMUM DEGREE OF REDUNDANCY	<u>3</u> PERMISSIBLE BYPASS CONDITIONS	<u>4</u> OPERATOR ACTION IF CONDITIONS OF COLUMN 1 OR 2 CANNOT BE MET
5. FEEDWATER ISOLATION				
a. HI HI Steam Generator Level	2	1		Hot Shutdown**
b. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Hot Shutdown**
c. Reactor Trip with 2 of 4 Low T_{avg} (Main Valves only)	2	1		Hot Shutdown**

**If minimum conditions are not met within 24 hours, steps shall be taken on the affected unit to place the unit in COLD SHUTDOWN conditions.

MINIMUM FREQUENCIES FOR CHECKS, CALIBRATIONS AND TEST OF INSTRUMENT CHANNELS

Channel Description	Check	Calibrate	Functional Test	Response Test	Remarks
9. Analog Rod Position	S(1) H(2)	R	T(2)	NA	1) With step counters 2) Rod Position Deviation Monitor Tested by updating computer bank count and comparing with analog rod position test signal
10. Rod Position Bank Counters	S(1,2) H(3)	NA	T(3)	NA	1) With analog rod position 2) Following rod motion in excess of six inches when the computer is out of service 3) Control rod banks insertion limit monitor and control rod position deviation monitors
11b. Steam Generator High Level	S	R	M	NA	
11. Steam Generator ^a Level	S	R	H	NA	
X12. Steam Generator Flow Mismatch	S	R	H	NA	
13. Charging Flow	S	R	NA	NA	
14. Residual Heat Removal Pump Flow	S(1)	R	NA	NA	1) When in operation
15. Boric Acid Tank Level	D	R(1)	H(1)	NA	1) Transfer logic to Refueling Water Storage Tank
16. Refueling Water Storage Tank Level	W	R	H(1)	NA	1) Functional test can be performed by bleeding transmitter
17. Volume Control Tank	S	R	NA	NA	
18a. Containment Pressure SI Signal	S	R	H(1)	NA	Wide Range Containment Pressure 1) Isolation Valve Signal
18b. Containment Pressure Steam Line Isolation	S	R	H	NA	Narrow Range Containment Pressure

* Following installation of the digital feedwater control system, only steam flow channels are checked, calibrated, and tested in accordance with this Table.

Table TS.4.1-1
(Page 2 of 5)
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Exhibit C

Prairie Island Nuclear Generating Plant

License Amendment Request Dated December 26, 1990

Revised Technical Specification Pages

Exhibit C consists of revised pages for the Prairie Island Nuclear Generating Plant Technical Specification with the proposed changes incorporated. The revised pages are listed below:

TABLE TS.3.5-4 (Page 1 of 2)

TABLE TS.3.5-4 (Page 2 of 2)

TABLE TS.4.1-1 (Page 2 of 5)

TABLE TS.3.5-4 (Page 1 of 2)

INSTRUMENT OPERATING CONDITIONS FOR ISOLATION FUNCTIONS

<u>FUNCTIONAL UNIT</u>	<u>1</u> MINIMUM OPERABLE CHANNELS	<u>2</u> MINIMUM DEGREE OF REDUNDANCY	<u>3</u> PERMISSIBLE BYPASS CONDITIONS	<u>4</u> OPERATOR ACTION IF CONDITIONS OF COLUMN <u>1 OR 2 CANNOT BE MET</u>
1. CONTAINMENT ISOLATION				
a. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Hot Shutdown**
b. Manual	2	1		Hot Shutdown
2. CONTAINMENT VENTILATION ISOLATION				
a. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Maintain Purge and Inservice Purge Valves closed if (1) conditions of a, b, or c cannot be met above COLD SHUTDOWN or (2) if conditions of b or c cannot be met during fuel handling in containment.
b. High Radiation in Exhaust Air	2	1		
c. Manual	2	1		
3. STEAM LINE ISOLATION				
a. Hi-Hi Steam Flow with Safety Injection	2/loop	1		Hot Shutdown**
b. Hi Steam Flow and 2 of 4 Low T _{avg} with Safety Injection	2/loop	1		Hot Shutdown**
c. Hi Containment Pressure	2	1		Hot Shutdown**
d. Manual	1/loop	-		Hot Shutdown**
4. EMERGENCY COOLDOWN EQUIPMENT ROOM ISOLATION				
a. High temperature in ventilation system ducts	2	1		Hot Shutdown**

**If minimum conditions are not met within 24 hours, steps shall be taken on the affected unit to place the unit in COLD SHUTDOWN conditions.

TABLE TS.3.5-4 (Page 2 of 2)

INSTRUMENT OPERATING CONDITIONS FOR ISOLATION FUNCTIONS

<u>FUNCTIONAL UNIT</u>	1 MINIMUM OPERABLE CHANNELS	2 MINIMUM DEGREE OF REDUNDANCY	3 PERMISSIBLE BYPASS CONDITIONS	4 OPERATOR ACTION IF CONDITIONS OF COLUMN 1 OR 2 CANNOT BE MET
5. FEEDWATER ISOLATION				
a. Hi Hi Steam Generator Level	2	1		Hot Shutdown**
b. Safety Injection	(See Item No. 1 of Table TS.3.5-3)			Hot Shutdown**
c. Reactor Trip with 2 of 4 Low T_{avg} (Main Valves only)	2	1		Hot Shutdown**

**If minimum conditions are not met within 24 hours, steps shall be taken on the affected unit to place the unit in COLD SHUTDOWN conditions.

TABLE TS.4.1-1 (Page 2 of 5)

MINIMUM FREQUENCIES FOR CHECKS, CALIBRATIONS AND
TEST OF INSTRUMENT CHANNELS

Channel Description	Check	Calibrate	Functional Test	Response Test	Remarks
9. Analog Rod Position	S(1) M(2)	R	T(2)	NA	1) With step counters 2) Rod Position Deviation Monitor Tested by updating computer bank count and comparing with analog rod position test signal
10. Rod Position Bank Counters	S(1,2) M(3)	NA	T(3)	NA	1) With analog rod position 2) Following rod motion in excess of six inches when the computer is out of service 3) Control rod banks insertion limit monitor and control rod position deviation monitors
11a. Steam Generator Low Level	S	R	M	NA	
11b. Steam Generator High Level	S	R	M	NA	
12. Steam Flow	S	R	M	NA	
13. Charging Flow	S	R	NA	NA	
14. Residual Heat Removal Pump Flow	S(1)	R	NA	NA	1) When in operation
15. Boric Acid Tank Level	D	R(1)	M(1)	NA	1) Transfer logic to Refueling Water Storage Tank
16. Refueling Water Storage Tank Level	W	R	M(1)	NA	1) Functional test can be performed by bleeding transmitter
17. Volume Control Tank	S	R	NA	NA	
18a. Containment Pressure SI Signal	S	R	M(1)	NA	Wide Range Containment Pressure 1) Isolation Valve Signal
18b. Containment Pressure Steam Line Isolation	S	R	M	NA	Narrow Range Containment Pressure