

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One or more required Core Exit Thermocouple (CET) channel(s) inoperable.</p> <p><u>AND</u></p> <p>At least 4 CET channels OPERABLE in the center region of the core.</p> <p><u>AND</u></p> <p>At least one CET channel OPERABLE in each quadrant of the outside core region.</p>	<p>B.1 Restore required CET channel(s) to OPERABLE status.</p>	<p>30 days</p>
<p>C. Required Action and associated Completion Time of Condition A or B not met.</p>	<p>C.1 Initiate action in accordance with Specification 5.6.8.</p>	<p>Immediately</p>
<p>D. -----NOTE----- Not applicable to CET channels. -----</p> <p>One or more Functions with two required channels inoperable.</p>	<p>D.1 Restore one channel to OPERABLE status.</p>	<p>7 days</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. Three or more required CET channels inoperable in one or more quadrants.</p> <p><u>AND</u></p> <p>Less than four CETs OPERABLE in the center region of the core.</p>	<p>E.1 Restore required channels to OPERABLE status.</p>	<p>7 days</p>
<p>F. Three or more required CET channels inoperable in one or more quadrants.</p> <p><u>AND</u></p> <p>Less than one CET OPERABLE in each quadrant of the outside core region.</p>	<p>F.1 Restore required channels to OPERABLE status.</p>	<p>7 days</p>
<p>G. Required Action and associated Completion Time of Condition D, E, or F not met.</p>	<p>G.1 Enter the Condition referenced in Table 3.3.3-1 for the channel.</p>	<p>Immediately</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
H. As required by Required Action G.1 and referenced in Table 3.3.3-1.	H.1 Be in MODE 3.	6 hours
I. As required by Required Action G.1 and referenced in Table 3.3.3-1.	I.1 Initiate action in accordance with Specification 5.6.8.	Immediately

## SURVEILLANCE REQUIREMENTS

-----NOTE-----  
SR 3.3.3.1 and SR 3.3.3.2 apply to each EM instrumentation Function in Table 3.3.3-1.  
-----

SURVEILLANCE	FREQUENCY
SR 3.3.3.1 Perform CHANNEL CHECK for each required instrumentation channel that is normally energized.	31 days
SR 3.3.3.2 -----NOTE----- Neutron detectors are excluded from CHANNEL CALIBRATION. ----- Perform CHANNEL CALIBRATION.	24 months

Table 3.3.3-1 (page 1 of 1)  
Event Monitoring Instrumentation

FUNCTION		REQUIRED CHANNELS	CONDITION REFERENCED FROM REQUIRED ACTION G.1
1.	Power Range Neutron Flux (Logarithmic Scale)	2	H
2.	Source Range Neutron Flux (Logarithmic Scale)	2	H
3.	Reactor Coolant System (RCS) Hot Leg Temperature	2	H
4.	RCS Cold Leg Temperature	2	H
5.	RCS Pressure (Wide Range)	2	H
6.	Reactor Vessel Water Level	2	I
7.	Containment Sump Water Level (Wide Range)	2	H
8.	Containment Pressure (Wide Range)	2	H
9.	Penetration Flow Path Automatic Containment Isolation Valve Position	2 per penetration flow path <sup>(a)(b)</sup>	H
10.	Containment Area Radiation (High Range)	2	I
11.	Not used		
12.	Pressurizer Level	2	H
13.	Steam Generator Water Level (Wide Range)	2 per steam generator	H
14.	Condensate Storage Tank Level	2	H
15.	Core Exit Temperature	4 per quadrant <sup>(c)</sup>	H
16.	Refueling Water Storage Tank Level	2	H

- (a) Not required for isolation valves whose associated penetration is isolated by at least one closed and deactivated automatic valve, closed manual valve, blind flange, or check valve with flow through the valve secured.
- (b) Only one position indication channel is required for penetration flow paths with only one installed control room indication channel.
- (c) A channel consists of one core exit thermocouple (CET).

Not Used |  
3.6.7

3.6 CONTAINMENT SYSTEMS

3.6.7 Not Used

|  
|

Prairie Island  
Units 1 and 2

3.6.7-1

Unit 1 – Amendment No. 158 | 163  
Unit 2 – Amendment No. 149 | 154

5.6 Reporting Requirements

---

5.6.7 Steam Generator Tube Inspection Report (continued)

- e. If the calculated conditional burst probability based on the projected end-of-cycle (or if not practical, using the actual measured end-of-cycle) voltage distribution exceeds  $1\text{E-}02$ , notify the NRC and provide an assessment of the safety significance of the occurrence.

5.6.8 EM Report

When a report is required by Condition C or I of LCO 3.3.3, "Event Monitoring (EM) Instrumentation," a report shall be submitted within the following 14 days. The report shall outline the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the instrumentation channels of the Function to OPERABLE status.

---

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One or more required Core Exit Thermocouple (CET) channel(s) inoperable.</p> <p><u>AND</u></p> <p>At least 4 CET channels OPERABLE in the center region of the core.</p> <p><u>AND</u></p> <p>At least one CET channel OPERABLE in each quadrant of the outside core region.</p>	<p>B.1 Restore required CET channel(s) to OPERABLE status.</p>	<p>30 days</p>
<p>C. Required Action and associated Completion Time of Condition A or B not met.</p>	<p>C.1 Initiate action in accordance with Specification 5.6.8.</p>	<p>Immediately</p>
<p>D. -----NOTE----- Not applicable to CET channels. -----</p> <p>One or more Functions with two required channels inoperable.</p>	<p>D.1 Restore one channel to OPERABLE status.</p>	<p>7 days</p>



ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. Three or more required CET channels inoperable in one or more quadrants.</p> <p><u>AND</u></p> <p>Less than four CETs OPERABLE in the center region of the core.</p>	<p>E.1 Restore required channels to OPERABLE status.</p>	<p>7 days</p>
<p>F. Three or more required CET channels inoperable in one or more quadrants.</p> <p><u>AND</u></p> <p>Less than one CET OPERABLE in each quadrant of the outside core region.</p>	<p>F.1 Restore required channels to OPERABLE status.</p>	<p>7 days</p>
<p>G. Required Action and associated Completion Time of Condition D, E, or F not met.</p>	<p>G.1 Enter the Condition referenced in Table 3.3.3-1 for the channel.</p>	<p>Immediately</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
H. As required by Required Action G.1 and referenced in Table 3.3.3-1.	H.1 Be in MODE 3.	6 hours
I. As required by Required Action G.1 and referenced in Table 3.3.3-1.	I.1 Initiate action in accordance with Specification 5.6.8.	Immediately

SURVEILLANCE REQUIREMENTS

-----NOTE-----  
SR 3.3.3.1 and SR 3.3.3.2 apply to each EM instrumentation Function in Table 3.3.3-1.  
-----

SURVEILLANCE	FREQUENCY
SR 3.3.3.1 Perform CHANNEL CHECK for each required instrumentation channel that is normally energized.	31 days
SR 3.3.3.2 -----NOTE----- Neutron detectors are excluded from CHANNEL CALIBRATION. ----- Perform CHANNEL CALIBRATION.	24 months

Table 3.3.3-1 (page 1 of 1)  
Event Monitoring Instrumentation

FUNCTION		REQUIRED CHANNELS	CONDITION REFERENCED FROM REQUIRED ACTION G.1
1.	Power Range Neutron Flux (Logarithmic Scale)	2	H
2.	Source Range Neutron Flux (Logarithmic Scale)	2	H
3.	Reactor Coolant System (RCS) Hot Leg Temperature	2	H
4.	RCS Cold Leg Temperature	2	H
5.	RCS Pressure (Wide Range)	2	H
6.	Reactor Vessel Water Level	2	I
7.	Containment Sump Water Level (Wide Range)	2	H
8.	Containment Pressure (Wide Range)	2	H
9.	Penetration Flow Path Automatic Containment Isolation Valve Position	2 per penetration flow path <sup>(a)(b)</sup>	H
10.	Containment Area Radiation (High Range)	2	I
11.	Not used		
12.	Pressurizer Level	2	H
13.	Steam Generator Water Level (Wide Range)	2 per steam generator	H
14.	Condensate Storage Tank Level	2	H
15.	Core Exit Temperature	4 per quadrant <sup>(c)</sup>	H
16.	Refueling Water Storage Tank Level	2	H

- (a) Not required for isolation valves whose associated penetration is isolated by at least one closed and deactivated automatic valve, closed manual valve, blind flange, or check valve with flow through the valve secured.
- (b) Only one position indication channel is required for penetration flow paths with only one installed control room indication channel.
- (c) A channel consists of one core exit thermocouple (CET).

Not Used |  
3.6.7

### 3.6 CONTAINMENT SYSTEMS

3.6.7 Not Used

|  
|

Prairie Island  
Units 1 and 2

3.6.7-1

Unit 1 – Amendment No. 158 | 163  
Unit 2 – Amendment No. 149 | 154

5.6 Reporting Requirements

---

5.6.7 Steam Generator Tube Inspection Report (continued)

- e. If the calculated conditional burst probability based on the projected end-of-cycle (or if not practical, using the actual measured end-of-cycle) voltage distribution exceeds 1E-02, notify the NRC and provide an assessment of the safety significance of the occurrence.

5.6.8 EM Report

When a report is required by Condition C or I of LCO 3.3.3, "Event Monitoring (EM) Instrumentation," a report shall be submitted within the following 14 days. The report shall outline the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the instrumentation channels of the Function to OPERABLE status.

---