

Table 3.3.3-1 (page 2 of 2)  
Post Accident Monitoring Instrumentation

FUNCTION	REQUIRED CHANNELS	CONDITION REFERENCED FROM REQUIRED ACTION F.1
20. Emergency Core Cooling System Flow (per train)	2 <sup>(e)</sup>	G
21. Containment Pressure (Wide Range)	2	G
22. Refueling Water Storage Tank Level	2	G
23. RCS Subcooling Margin Monitor	1 <sup>(f)</sup>	G
24. Component Cooling Water Pump Circuit Breaker Status	2	H
25. Containment Recirculation Sump Water Level	2	G

(e) Any combination of two instruments per train, including Centrifugal Charging Pump Flow, Safety Injection Pump Flow, Centrifugal Charging Pump Circuit Breaker Status, and Safety Injection Pump Circuit Breaker Status, can be used to satisfy Function 20 OPERABILITY requirements.

(f) An OPERABLE plant process computer (PPC) subcooling margin readout can be used as a substitute for an inoperable Function 23, RCS Subcooling Margin Monitor.

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.5.2.6      Verify, for each ECCS throttle valve listed below, each position stop is in the correct position.</p> <p><u>Valve Number</u>            1-SI-121 N            1-SI-121 S            1-SI-141 L1            1-SI-141 L2            1-SI-141 L3            1-SI-141 L4</p>	<p>24 months</p>
<p>SR 3.5.2.7      Verify, by visual inspection, each ECCS train containment sump suction inlet is not restricted by debris and the suction inlet strainers show no evidence of structural distress or abnormal corrosion.</p>	<p>24 months</p>

3.6 CONTAINMENT SYSTEMS

3.6.14 Containment Recirculation Drains

LCO 3.6.14 The ice condenser floor drains, two refueling canal drains, one drain in each Containment Air Recirculation/Hydrogen Skimmer System (CEQ) fan room, and the flood-up overflow wall flow paths shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One ice condenser floor drain inoperable.	A.1 Restore ice condenser floor drain to OPERABLE status.	1 hour
B. One required refueling canal drain inoperable.	B.1 Restore required refueling canal drain to OPERABLE status.	1 hour
C. One required CEQ fan room drain inoperable.	C.1 Restore required CEQ fan room drain to OPERABLE status.	1 hour
D. One flood-up overflow wall flow path inoperable.	D.1 Restore flood-up overflow wall flow path to OPERABLE status.	1 hour
E. Required Action and associated Completion Time not met.	E.1 Be in MODE 3. <u>AND</u> E.2 Be in MODE 5.	6 hours  36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.14.1	Verify, by visual inspection, that no debris is present in the upper containment or refueling canal that could obstruct the required refueling canal drains.	92 days  <u>AND</u>  Prior to entering MODE 4 from MODE 5 after each partial or complete fill of the canal
SR 3.6.14.2	Verify, by visual inspection, that:  a. Each required refueling canal drain blind flange is removed; and  b. Each required refueling canal drain is not obstructed by debris.	Prior to entering MODE 4 from MODE 5 after each partial or complete fill of the canal
SR 3.6.14.3	Verify for each ice condenser floor drain that the:  a. Valve opening is not impaired by ice, frost, or debris;  b. Valve seat shows no evidence of damage;  c. Valve opening force is $\leq 100$ lb; and  d. Drain line from the ice condenser floor to the lower compartment is unrestricted.	18 months
SR 3.6.14.4	-----NOTE----- Required only for CEQ fan room that is entered when performed after personnel entry in MODES 1 through 4. -----  Verify, by visual inspection, that no debris is present in the CEQ fan rooms that could obstruct the required CEQ fan room drains and the required drain line debris interceptors are not obstructed by debris.	Prior to entering MODE 4 from MODE 5  <u>AND</u>  After personnel entry into a CEQ fan room in MODES 1 through 4.

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.14.5	<p>Verify by visual inspection, for each required CEQ fan room drain line that the:</p> <ul style="list-style-type: none"> <li>a. Drain line debris interceptor is installed;</li> <li>b. Drain line debris interceptor shows no evidence of structural distress;</li> <li>c. Pipe tunnel (annulus) sump flow opening is not obstructed.</li> </ul>	24 months
SR 3.6.14.6	<p>-----NOTE----- Required only for area of lower containment that is entered when performed after personnel entry in MODES 1 through 4. -----</p> <p>Verify, by visual inspection, that no debris is present in the lower containment that could obstruct the flood-up overflow wall flow paths and that the flow paths are not obstructed by debris.</p>	<p>Prior to entering MODE 4 from MODE 5</p> <p><u>AND</u></p> <p>After personnel entry into lower containment in MODES 1 through 4.</p>
SR 3.6.14.7	<p>Verify, by visual inspection, that the flood-up overflow wall debris interceptor is installed and is free of structural distress.</p>	24 months

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24. Component Cooling Water Pump Circuit Breaker Status	2	H
25. Containment Recirculation Sump Water Level	2	G

(e) Any combination of two instruments per train, including Centrifugal Charging Pump Flow, Safety Injection Pump Flow, Centrifugal Charging Pump Circuit Breaker Status, and Safety Injection Pump Circuit Breaker Status, can be used to satisfy Function 20 OPERABILITY requirements.

(f) An OPERABLE plant process computer (PPC) subcooling margin readout can be used as a substitute for an inoperable Function 23, RCS Subcooling Margin Monitor.

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.5.2.6	<p>Verify, for each ECCS throttle valve listed below, each position stop is in the correct position.</p> <p><u>Valve Number</u>            2-SI-121 N            2-SI-121 S            2-SI-141 L1            2-SI-141 L2            2-SI-141 L3            2-SI-141 L4</p>	24 months
SR 3.5.2.7	<p>Verify, by visual inspection, each ECCS train containment sump suction inlet is not restricted by debris and the suction inlet strainers show no evidence of structural distress or abnormal corrosion.</p>	24 months

3.6 CONTAINMENT SYSTEMS

3.6.14 Containment Recirculation Drains

LCO 3.6.14 The ice condenser floor drains, two refueling canal drains, one drain in each Containment Air Recirculation/Hydrogen Skimmer System (CEQ) fan room, and the flood-up overflow wall flow paths shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One ice condenser floor drain inoperable.	A.1 Restore ice condenser floor drain to OPERABLE status.	1 hour
B. One required refueling canal drain inoperable.	B.1 Restore required refueling canal drain to OPERABLE status.	1 hour
C. One required CEQ fan room drain inoperable.	C.1 Restore required CEQ fan room drain to OPERABLE status.	1 hour
D. One flood-up overflow wall flow path inoperable.	D.1 Restore flood-up overflow wall flow path to OPERABLE status.	1 hour
E. Required Action and associated Completion Time not met.	E.1 Be in MODE 3. <u>AND</u> E.2 Be in MODE 5.	6 hours  36 hours



SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.14.1	Verify, by visual inspection, that no debris is present in the upper containment or refueling canal that could obstruct the required refueling canal drains.	92 days  <u>AND</u>  Prior to entering MODE 4 from MODE 5 after each partial or complete fill of the canal
SR 3.6.14.2	Verify, by visual inspection, that:  a. Each required refueling canal drain blind flange is removed; and  b. Each required refueling canal drain is not obstructed by debris.	Prior to entering MODE 4 from MODE 5 after each partial or complete fill of the canal
SR 3.6.14.3	Verify for each ice condenser floor drain that the:  a. Valve opening is not impaired by ice, frost, or debris;  b. Valve seat shows no evidence of damage;  c. Valve opening force is $\leq 100$ lb; and  d. Drain line from the ice condenser floor to the lower compartment is unrestricted.	18 months
SR 3.6.14.4	-----NOTE----- Required only for CEQ fan room that is entered when performed after personnel entry in MODES 1 through 4. -----  Verify, by visual inspection, that no debris is present in the CEQ fan rooms that could obstruct the required CEQ fan room drains and the required drain line debris interceptors are not obstructed by debris.	Prior to entering MODE 4 from MODE 5.  <u>AND</u>  After personnel entry into a CEQ fan room in MODES 1 through 4.

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.6.14.5</p> <p>Verify, by visual inspection, for each required CEQ fan room drain line that the:</p> <ul style="list-style-type: none"> <li>a. Drain line debris interceptor is installed;</li> <li>b. Drain line debris interceptor shows no evidence of structural distress;</li> <li>c. Containment sump flow opening is not obstructed.</li> </ul>	<p>24 months</p>
<p>SR 3.6.14.6</p> <p>-----NOTE----- Required only for area of lower containment that is entered when performed after personnel entry in MODES 1 through 4. -----</p> <p>Verify, by visual inspection, that no debris is present in the lower containment that could obstruct the flood-up overflow wall flow paths and that the flow paths are not obstructed by debris.</p>	<p>Prior to entering MODE 4 from MODE 5</p> <p><u>AND</u></p> <p>After personnel entry into lower containment in MODES 1 through 4.</p>
<p>SR 3.6.14.7</p> <p>Verify, by visual inspection, that the flood-up overflow wall debris interceptor is installed and is free of structural distress.</p>	<p>24 months</p>