Table 3.3.6-1 (page 1 of 1)
Containment Ventilation Isolation Instrumentation

	FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	SURVEILLANCE REQUIREMENTS	TRIP SETPOINT
	Manual Initiation	1,2,3,4.(a)	2	SR 3.3.6.6	NA
	Automatic Actuation Logic and		2 trains	SR 3.3.6.2	NA
•	Actuation Relays	1,2,3,4,(a)		SR 3.3.6.3	
	•			SR 3.3.6.5	
	Containment Radiation				
	a. Gaseous	1,2,3,4.(a)	1	SR 3.3.6.1	(b)
	a. dascous			SR 3.3.6.4	
				SR 3.3.6.7	
	b. Particulate	1,2,3,4.(a)	1	SR 3.3.6.1	(b)
	D. Particulate	1,2,0,7,10/	-	SR 3.3.6.4	
				SR 3.3.6.7	

⁽a) During movement of recently irradiated fuel assemblies within the containment.

⁽b) Trip Setpoint shall be in accordance with the methodology in the Offsite Dose Calculation Manual.

3.3 INSTRUMENTATION

- 3.3.7 Control Room Emergency Filtration System (CREFS) Actuation Instrumentation
- LCO 3.3.7 The CREFS actuation instrumentation for each Function in Table 3.3.7-1 shall be OPERABLE.

APPLICABILITY:

MODES 1, 2, 3, 4

During movement of irradiated fuel assemblies

	~~	~~	\sim	L I	^
A			0	N	S

Separate Condition entry is allowed for each Function.

	CONDITION		REQUIRED ACTION	COMPLETION TIME
Α.	One automatic actuation train inoperable.	A.1	Place one CREFS train in emergency pressurization mode.	7 days
В.	Two automatic actuation trains inoperable.	B.1	Place one CREFS train in emergency pressurization mode.	Immediately
	<u>OR</u>			
	One radiation monitoring channel inoperable.			

ACTIONS (continued)

CO	NDITION		REQUIRED ACTION	COMPLETION TIME
associa Time fo or B no	ed Action and ated Completion or Condition A ot met in , 2, 3, or 4.	C.1 <u>AND</u> C.2	Be in MODE 3. Be in MODE 5.	6 hours 36 hours
associa Time fo or B no movemen	ed Action and sted Completion or Condition A ot met during at of irradiated ssemblies.	D.1	Suspend movement of irradiated fuel assemblies.	Immediately

SURVEILLANCE REQUIREMENTS

Refer to Table 3.3.7-1 to determine which SRs apply for each CREFS Actuation Function.

	SURVEILLANCE	FREQUENCY
SR 3.3.7.1	Perform CHANNEL CHECK.	12 hours
SR 3.3.7.2	Perform COT.	92 days
SR 3.3.7.3	Perform ACTUATION LOGIC TEST.	31 days on a STAGGERED TEST BASIS

3.7 PLANT SYSTEMS

3.7.9 Control Room Emergency Filtration System (CREFS)

LCO 3.7.9 Two CREFS trains shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4

During movement of irradiated fuel assemblies.

ACTIONS

	CONDITION		REQUIRED ACTION	COMPLETION TIME
Α.	One CREFS train inoperable.	A.1	Restore CREFS train to OPERABLE status.	7 days
В.	Required Action and associated Completion Time of Condition A	B.1	Be in MODE 3.	6 hours
	not met in MODE 1, 2, 3, or 4.	B.2	Be in MODE 5.	36 hours
C.	associated Completion Time of Condition A	C.1	Place OPERABLE CREFS train in emergency pressurization mode.	Immediately
	not met during movement of irradiated fuel assemblies.	<u>OR</u>		6 hours 36 hours
	fuer assemblies.	C.2	Suspend movement of irradiated fuel assemblies.	Immediately

ACTIONS (continued)

D.	Two CREFS trains inoperable during movement of irradiated fuel assemblies.	D.1	Suspend movement of irradiated fuel assemblies.	Immediately
Ε.	Two CREFS trains inoperable in MODE 1, 2, 3, or 4.	E.1	Restore at least one CREFS train to OPERABLE status.	48 hours
F.	Required Action and associated Completion Time of Condition E not met in MODE 1, 2, 3, or 4.	F.1 AND F.2	Be in MODE 3. Be in MODE 5.	6 hours 36 hours

SURVEILLANCE REQUIREMENTS

		SURVEILLANCE	FREQUENCY
SR	3.7.9.1	Operate each CREFS train for ≥ 15 minutes.	31 days
SR	3.7.9.2	Perform required CREFS filter testing in accordance with the Ventilation Filter Testing Program (VFTP).	In accordance with VFTP
SR	3.7.9.3	Verify each CREFS train actuates on an actual or simulated actuation signal.	18 months
SR	3.7.9.4	Verify one CREFS train can maintain a positive pressure of ≥ 0.125 inches water gauge, relative to the outside atmosphere and a positive pressure relative to adjacent building areas during the emergency pressurization mode of operation at a makeup flow rate of ≤ 400 cfm.	18 months on a STAGGERED TEST BASIS

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3.7 PLANT SYSTEMS

3.7.10 Control Room Emergency Air Temperature Control (CREATC)

LCO 3.7.10 Two CREATC Water Cooled Condensing Unit (WCCU) trains shall be OPERABLE.

APPLICABILITY:

MODES 1, 2, 3, and 4

During movement of irradiated fuel assemblies.

ACTIONS

	CONDITION		REQUIRED ACTION	COMPLETION TIME
Α.	One CREATC WCCU train inoperable.	A.1	Restore CREATC WCCU train to OPERABLE status.	30 days
В.	Required Action and associated Completion	B.1	Be in MODE 3.	6 hours
	Time of Condition A not met in MODE 1, 2, 3, or 4.	B.2	Be in MODE 5.	36 hours

ACTIONS (continued)

	CONDITION		REQUIRED ACTION	COMPLETION TIME
C.	Required Action and associated Completion Time of Condition A not met during	C.1	Place OPERABLE CREATC WCCU train in operation.	Immediately
	movement of irradiated	<u>OR</u>		
	fuel assemblies.	C.2	Suspend movement of arradiated fuel assemblies.	Immediately
D.	Two CREATC WCCU trains inoperable during movement of irradiated fuel assemblies.	D.1	Suspend movement of irradiated fuel assemblies.	Immediately
Ε.	Two CREATC WCCU trains inoperable in MODE 1, 2, 3, or 4.	E.1	Restore at least one CREATC WCCU train to OPERABLE status.	48 hours
F.	Required Action and	F.1	Be in MODE 3.	6 hours
	associated Completion Time of Condition E	<u>and</u>		
	not met in MODE 1, 2, 3, or 4.	F.2	Be in MODE 5.	36 hours

3.9 REFUELING OPERATIONS

3.9.3 Containment Penetrations

- LCO 3.9.3 The containment penetrations shall be in the following status:
 - a. The equipment hatch closed and held in place by four bolts:
 - b. One door in the air lock closed; and
 - c. Each penetration providing direct access from the containment atmosphere to the outside atmosphere either:
 - closed by a manual or automatic isolation valve, blind flange, or equivalent, or
 - 2. capable of being closed by an OPERABLE Containment Ventilation Isolation System.

APPLICABILITY: During movement of recently irradiated fuel assemblies within containment.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more containment penetrations not in required status.	A.1 Suspend movement of recently irradiated fuel assemblies within containment.	Immediately

3.9 REFUELING OPERATIONS

3.9.6 Refueling Cavity Water Level

LCO 3.9.6 Refueling cavity water level shall be maintained \geq 23 ft above the top of reactor vessel flange.

APPLICABILITY: During movement of irradiated fuel assemblies within containment.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Refueling cavity water level not within limit.	A.1 Suspend movement of irradiated fuel assemblies within containment.	Immediately

SURVEILLANCE REQUIREMENTS

	FREQUENCY	
SR 3.9.6.1	Verify refueling cavity water level is ≥ 23 ft above the top of reactor vessel flange.	24 hours

3.9 REFUELING OPERATIONS

3.9.7 Containment Purge Filter System

LCO 3.9.7 The Containment Purge Filter System shall be OPERABLE and operating.

APPLICABILITY: During movement of recently irradiated fuel assemblies in containment.

ACTIONS

CONDITION		REQUIRED ACTION		COMPLETION TIME	
Α.	Containment Purge Filter System inoperable. OR Containment Purge Filter System not in operation.	A.1	Close each penetration providing direct access from the containment atmosphere to the outside atmosphere by a manual or automatic valve, blind flange, or equivalent method.	Immediately	
		<u>OR</u>			
		A.2	Suspend movement of recently irradiated fuel assemblies within containment.	Immediately	