SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

1.0 Radioactive Gaseous Effluent Monitoring Instrumentation – Low Range Noble Gas Activity Monitors and Sampler Flow Rate Monitors (H11-P812)

a. On Eberline SS-1, System Server, determine Sping Units status per 23.625, "Process Gaseous Radiation Monitoring."

b. Record status of SPING Units.

ODCM	4.3.7.12, Table 4.3.7.12-1, Instrument 1.a, 1.d, 4.a, 4.d Applicability: At all times. 4.3.7.12, Table 4.3.7.12-1, Instrument 5.a, 5.d, 6.a, 6.d Applicability: At all times. 4.3.7.12, Table 4.3.7.12-1, Instrument 3.a, 3.d Applicability: During operation of the standby gas treatment system.
Acceptance Criteria	**NOTE (1):** If SS-1 (D11-K610) is not operating notify: • Radiation Protection to perform 64.713.018, "Radiological Effluents Situational Surveillances," Attachment 17. • Chemistry to perform 74.000.18, "Chemistry Shiftly, 72 Hour, and Situational Surveillances," Attachment 23. **NOTE (2):** Radiation Protection Representative signature required on Monday for channel parameter check sat. 1) STATUS NORMAL for Channels 5, 14, and 15 (and 7 for Units 3 and 4). 2) CHANNEL CHECK Sat.

ITEM		SUN	MON	TUE	WED	THUR	FRI	SAT
		N	N	N	N	N	N	N
UNIT	Channel 5	✓						
1	Channel 14	✓						
RB	Channel 15	✓						
UNIT	Channel 5	✓						
2	Channel 14	✓						
RW	Channel 15	✓						
UNIT	Channel 5	✓						
3	Channel 7	✓						
SGTS	Channel 14	✓						
Div 1	Channel 15	✓						
UNIT	Channel 5	✓						
4	Channel 7	✓						
SGTS	Channel 14	✓						
Div 2	Channel 15	✓						
UNIT	Channel 5	✓						
6	Channel 14	✓						
TB	Channel 15	✓						

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Week of 8/29/2010

1.0 Radioactive Gaseous Effluent Monitoring Instrumentation – Low Range Noble Gas Activity Monitors and Sampler Flow Rate Monitors (H11-P812) (Contd.)

ODCM	4.3.7.12, Table 4.3.7.12-1, Instrument 1.a, 1.d, 4.a, 4.d Applicability: At all times. 4.3.7.12, Table 4.3.7.12-1, Instrument 5.a, 5.d, 6.a, 6.d Applicability: At all times. 4.3.7.12, Table 4.3.7.12-1, Instrument 3.a, 3.d Applicability: During operation of the standby gas treatment system.
Acceptance Criteria	**NOTE (1):** If SS-1 (D11-K610) is not operating, notify: • Radiation Protection to perform 64.713.018, "Radiological Effluents Situational Surveillances," Attachment 17. • Chemistry to perform 74.000.18, "Chemistry Shiftly, 72 Hour, and Situational Surveillances," Attachment 23. **NOTE (2):** Radiation Protection Representative signature required on Monday for channel parameter check sat. 1) STATUS NORMAL for Channels 5, 14, and 15 (and 7 for Units 3 and 4). 2) CHANNEL CHECK Sat.

ITEM		SUN	MON	TUE	WED	THUR	FRI	SAT
		N	N	N	N	N	N	N
UNIT 9 OSSF	Channel 5	✓						
	Channel 14	✓						
	Channel 15	✓						
Radiation Protection Representative Signature								
INITIALS		OL						

2.0 Suppression Pool Water Level

Tech Spec	SR 3.5.2.1; SR 3.5.2.2.a Applicability: MODE 5, except with the spent fuel storage pool gates removed and water level ≥ 20 ft 6 inches over the top of the RPV flange.
Acceptance Criteria	**NOTE (1):** If Suppression Pool Water Level is below -66 inches, refer to Step 12.0 for SR 3.5.2.2 compliance. **NOTE (2):** Applies to each required LPCI and CS subsystem. ≥ -66 inches.

ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
Suppression Chamber Level on T50-R804A (H11-P601)	-27.18													
Suppression Chamber Level on T50-R804B (H11-P602)	-30.66													
INITIALS	OL													

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3.0 Reactor Pressure Vessel (RPV) Water Level

Tech Spec	SR 3.9.6.1 Applicability: During movement of irradiated fuel assemblies within the RPV, During movement of new fuel assemblies or handling of control rods within the RPV, when irradiated fuel assemblies are seated within the RPV.						
Acceptance Criteria	**NOTE (1):** By Control Room indication, 20 ft 6 inches will indicate 625 inches on either B21-R605 (when on extended range per 23.800.06, "Reactor Vessel Water Level Monitoring During Refueling Operations") or B21-R613 (when modified per 23.800.06). **NOTE (2):** By visual observations, overflow to Skimmer Surge Tank with weir at its lowest setting is approximately 20 ft 8 inches above the top of the RPV flange. 1) RPV Level ≥ 20 ft 6 inches above the top of the RPV Flange. 2) If B21-R605 is used, P50-F434 outlet pressure is 28.2 ± 0.1 psig.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
B21-R605, RPV Water Level Flood Up Range Indicator (H11-P603)	633.2						
B21-R613, Core Plate d/p Recorder (H11-P603)							
P50-F434, Pressure Regulator, outlet pressure from Step 33.0	28.2						
INITIALS							

4.0 Residual Heat Removal (RHR)

NOTE: Either Step 4.0 a **or** Step 4.0 b is required to be performed.

a. High Water Level

Tech Spec	**NOTE:** Ambient losses must be such that no increase in Reactor Vessel water temperature will occur (even though COLD SHUTDOWN conditions are being maintained). SR 3.9.7.1 Applicability: MODE 5 with irradiated fuel in the RPV, the water level ≥ 20 ft 6 inches above the top of the RPV flange, and heat losses to ambient not greater than or equal to heat input to reactor coolant.													
Acceptance Criteria	One OPERABLE RHR SDC subsystem capable of decay heat removal.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
One OPERABLE RHR SDC subsystem is capable of decay heat removal	N/A													
INITIALS	✓													

SHIFTLY/DAILY -- MODE 5

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4.0 Residual Heat Removal (RHR) (Contd.)

b. Low Water Level

Tech Spec	**NOTE:** Ambient losses must be such that no increase in Reactor Vessel water temperature will occur (even though COLD SHUTDOWN conditions are being maintained). SR 3.9.8.1; SR 3.9.8.2 Applicability: MODE 5 with irradiated fuel in the RPV, the water level < 20 ft 6 inches above the top of the RPV flange, and heat losses to ambient not greater than or equal to heat input to reactor coolant.
TRM	**NOTE:** Not applicable when heat losses to ambient are greater than or equal to heat input to reactor coolant. TRSR 3.9.4.1 Applicability: MODE 5 with irradiated fuel in the RPV and water level < 20 ft 6 inches above the top of the RPV flange.
Acceptance Criteria	**NOTE (1):** By Control Room indication, 20 ft 6 inches will indicate 625 inches on either B21-R605 (when on extended range per 23.800.06, "Reactor Vessel Water Level Monitoring During Refueling Operations") or B21-R613 (when modified per 23.800.06). **NOTE (2):** By visual observations, overflow to Skimmer Surge Tank with weir at its lowest setting is approximately 20 ft 8 inches above the top of the RPV flange. 1) RPV Level ≥ 214 inches. 2) One OPERABLE RHR SDC subsystem or Recirculation Pump in operation. 3) Two OPERABLE RHR SDC subsystems capable of decay heat removal. 4) If B21-R605 is used, outlet pressure of regulator P50-F434 is 24.6 ± 0.1 psig for normal range or 28.2 ± 0.1psig for extended range.

ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
B21-R605, RPV Water Level Flood Up Range Indicator (H11-P603)	633.2													
B21-R613, Core Plate D/P Recorder (H11-P603)														
One RHR or RR Pump operating and circulating Reactor Coolant	✓													
Two RHR SDC subsystems available	✓													
P50-F434, Pressure Regulator, outlet pressure from Step 33.0	28.2													
INITIALS	R													

5.0 Circulating Water Reservoir Decant Radioactivity

ODCM	4.3.7.11, Table 4.3.7.11-1, Instrument 2.a Applicability: At all times.
Acceptance Criteria	CLEAR.

ITEM	SUN	MON	TUE	WED	THUR	FRI	SAT
	N	N	N	N	N	N	N
Annunciator 3D57, CIRC H_2O SYS DECANT LINE RADN MONITOR TROUBLE	✓						
INITIALS	R						

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6.0 Refuel Position One-Rod-Out Interlock

Tech Spec	SR 3.9.2.1 Applicability: MODE 5 with the reactor mode switch in the refuel position and any control rod withdrawn.													
Acceptance Criteria	Locked in REFUEL position.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
Reactor Mode Switch locked in REFUEL position														
INITIALS														

7.0 Source Range Monitor (SRM) Instrumentation (H11-P603)

Tech Spec	SR 3.3.1.2.1, Table 3.3.1.2-1, Function 1 Applicability: MODE 5. **NOTE:** Not required to be met with less than or equal to four fuel assemblies adjacent to the SRM and no other fuel assemblies in the associated core quadrant. SR 3.3.1.2.4, Table 3.3.1.2-1, Function 1 Applicability: MODE 5. **NOTE (1):** Only determination of signal-to-noise ratio portion. **NOTE (2):** Signal-to-noise ratio not required to be determined when SRM count rate is ≥ 3.0 cps. SR 3.3.1.2.5, Table 3.3.1.2-1, Function 1 Applicability: MODE 5.													
TRM	TRSR 3.3.2.1.1, Table TR3.3.2.1-1, Function 1.b, 1.d Applicability: MODE 5.													
Acceptance Criteria	**NOTE (1):** Only one SRM channel is required to be OPERABLE during spiral offload or reload when the fueled region includes only that SRM detector. **NOTE (2)** Special movable detectors may be used in place of SRMs if connected to normal SRM circuits. **NOTE (3):** SRMs may be partially withdrawn provided their count rate remains above 100 cps. 1) Two OPERABLE channels with detector fully inserted. **NOTE:** If Count Rate is < 3.0 cps, perform signal-to-noise ratio determination in accordance with 24.000.01. 2) Count Rate ≥ 3.0 cps (or ≥ 0.7 cps when signal-to-noise ratio is ≥ 20:1) and< 1.0×10^5 cps. 3) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
SRM Channel A (cps)	25													
SRM Channel B (cps)	2													
SRM Channel C (cps)	10													
SRM Channel D (cps)	2													
SRM Channel A signal-to-noise ratio														
SRM Channel B signal-to-noise ratio														
SRM Channel C signal-to-noise ratio														
SRM Channel D signal-to-noise ratio														
CHANNEL CHECK on Inserted OPERABLE Detectors	✓													
INITIALS	[illegible]													

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8.0 Source Range Monitor (SRM) Instrumentation (H11-P603)

Tech Spec	**NOTE (1):** Only required to be met during CORE ALTERATIONS. **NOTE (2):** One SRM may be used to satisfy more than one of the following. SR 3.3.1.2.2 Applicability: MODE 5.
Acceptance Criteria	**NOTE (1):** Only one SRM channel is required to be OPERABLE during spiral offload or reload when the fueled region includes only that SRM detector. **NOTE (2)** Special movable detectors may be used in place of SRMs if connected to normal SRM circuits. An OPERABLE SRM detector is located in: 1) The fueled region; 2) The core quadrant where CORE ALTERATIONS are being performed, when the associated SRM is included in the fueled region; and 3) A core quadrant adjacent to where CORE ALTERATIONS are being performed, when the associated SRM is included in the fueled region.

ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
One OPERABLE SRM detector located in the fueled region	✓													
One OPERABLE SRM detector located in the core quadrant where CORE ALTERATIONS are being performed, when the associated SRM is included in the fueled region	✓													
One OPERABLE SRM detector located in the core quadrant adjacent to where CORE ALTERATIONS are being performed, when the associated SRM is included in the fueled region	✓													
INITIALS	[illegible]													

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9.0 Intermediate Range Monitors (H11-P603)

Tech Spec	SR 3.3.1.1.1, Table 3.3.1.1-1, Function 1.a Applicability: MODE 5 with any control rod withdrawn from a core cell containing one or more fuel assemblies.
TRM	TRSR 3.3.2.1.1, Table TR3.3.2.1-1, Function 2.b, 2.d Applicability: MODE 5.
Acceptance Criteria	1) Three OPERABLE channels per trip system. 2) Each OPERABLE channel is on Range 1. 3) Each OPERABLE channel agrees within 20% of each other (8 on 0 - 40 Scale/25 on 0 - 125 Scale). 4) CHANNEL Check Sat.

ITEM			SUN		MON		TUE		WED		THUR		FRI		SAT	
			N	D	N	D	N	D	N	D	N	D	N	D	N	D
Trip System A (2 of 4	IRM A	Range	1													
		Reading	2													
	IRM C	Range	1													
		Reading	2													
Trip System B (4 of 4 channels)	IRM D	Range	1													
		Reading	3													
	IRM B	Range	1													
		Reading	2													
	IRM H	Range	1													
		Reading	1													
	IRM F	Range	1													
		Reading	1													
Trip System A (2 of 4 channels)	IRM E	Range	1													
		Reading	1													
	IRM G	Range	1													
		Reading	2													
Circle in red highest and lowest readings and record difference			2													
INITIALS			SL													

10.0 Control Rod Position

Tech Spec	SR 3.9.3.1 Applicability: When loading fuel assemblies into the core.
Acceptance Criteria	All Control Rods fully inserted.

ITEM	SUN	MON	TUE	WED	THUR	FRI	SAT
	N	N	N	N	N	N	N
All Control Rods fully inserted	✓						
INITIALS	SL						

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11.0 Communications

TRM	TRSR 3.9.1.1 Applicability: During CORE ALTERATIONS, except movement of control rods with their normal drive system.													
Acceptance Criteria	Direct communications demonstrated.													
ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
Demonstrate direct communications between the Control Room and Refueling Platform personnel	✓													
INITIALS	DR													

12.0 Condensate Storage Tank Level

Tech Spec	**NOTE (1):** Only one required CS subsystem may take credit for this option during OPDRVs. **NOTE (2):** Only required when Suppression Pool Water Level is <-66 inches. SR 3.5.2.2.b Applicability: MODE 5, except with the spent fuel storage pool gates removed and water level ≥ 20 ft 6 inches over the top of the RPV flange.													
Acceptance Criteria	**NOTE (1):** Only required if Suppression Pool Water Level is below -66 inches, refer to Step 2.0. **NOTE (2):** If P11-R801 is inoperable, use local Indicator P11-R401 on H21-P492. ≥ 19 ft.													
ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
Condensate Storage Tank Level P11-R801 (H11-P805)	21													
INITIALS	DR													

13.0 Control Center Air Conditioning (AC) System

Tech Specs	SR 3.7.4.1 Applicability: During movement of recently irradiated fuel assemblies in the secondary containment, During OPDRVs.													
Acceptance Criteria	**NOTE:** If T41-R805 is not available, use MTE thermometer or pyrometer. ≤ 95°F.													
ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
Control Room Temperature T41-R805 (South Wall)	71													
INITIALS	DR													

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14.0 Outside Air Temperature

Other	NA Applicability: At all times.
Acceptance Criteria	1) If Outside Air Temperature is ≥ 36°F, no further action is required. 2) If Outside Air Temperature is < 36°F, record lower temperature of E11-R412A or E11-R413A for Division 1, **and** E11-R412B or E11-R413B for Division 2. 3) If either Division 1 or Division 2 air gap temperature is < 36°F for 3 consecutive shifts, run **ALL** Service Water Pumps in **BOTH** Division 1 and 2, as follows: a) Notify Operations Engineer and/or Manager Nuclear Operations of intention to run Service Water Pumps in accordance with this procedure. b) Run all 5 Service Water Pumps in each Division (one division at a time) for five minutes each in accordance with each pump's respective SOP and verify proper operating parameters with each pump's SOP. c) Log the pump runs in the Fermi 2 Unit Log. d) When all Service Water Pumps have been run, the requirement for 3 consecutive temperatures < 36°F restarts.

ITEM	SUN		MON		TUE		WED		THUR		FRI		SAT	
	N	D	N	D	N	D	N	D	N	D	N	D	N	D
Control Room IPCS (Met Display) Computer Terminal MET Tower Outside Air Temperature	70													
Lower Temp of E11-R412A or E11-R413A	N/A													
Lower Temp of E11-R412B or E11-R413B	N/A													
INITIALS	SL													

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15.0 Secondary Containment Vacuum

NOTE: Correction Factor only needs to be calculated and applied if T41-R800A or T41-R800B recorder reading > -0.25 inches wc vacuum.

Tech Spec	SR 3.6.4.1.1				Applicability: During movement of recently irradiated fuel assemblies in the secondary containment, During OPDRVs.		
Acceptance Criteria	> -2.5 inches wc and ≤ -0.125 inches wc.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Secondary Contmt Diff Pressure (red pen) T41-R800A (H11-P808) [A]	-0.25						
Secondary Contmt Diff Pressure (red pen) T41-R800B (H11-P817) [B]	-0.23						
Sensor Location from Step 32.0	N						
RB5 Temperature from IPCS Point T41DT2408 (Area Temp Display) (EOP Log No. 6)	75						
Outside Air Temperature from IPCS (Met Display)	70						
Enclosure B DP Correction Factor [C]	0.012						
Calculate Div 1 Secondary Containment Diff Pressure Corrected [A + C]	-0.238						
Calculate Div 2 Secondary Containment Diff Pressure Corrected [B + C]	-0.218						
INITIALS	SL						

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16.0 At IPCS, perform the following:

a. Obtain Primary and Secondary meteorological data from IPCS view "Meteorological Data for Surveillance 24.000.02" (turn-on code METSURV) in accordance with 23.615, "Integrated Plant Computer System." Log all readings.

NOTE: The primary parameters are preferred. The secondary parameters for the CHANNEL CHECK should be used only if the corresponding primary parameter is not satisfactory.

*IF a channel fails its channel check, the suspect IPCS Point(s) shall be Deleted from Processing in accordance with 23.615, "Integrated Plant Computer System" and an Investigation/WR CARD initiated.

**IF dT is ≥ +5.0°C, initiate a Trending CARD. If dT is <-3.0°C for both channels, and both channels trend consistent with each other, initiate a Trend CARD to document the weather condition. If dT is <-3.0°C for one channel and both channels are divergent from each other by greater than 0.5°C, initiate an Investigation/WO CARD for the failed channel.

TRM	TRSR 3.3.13.1 Applicability: At all times.						
Acceptance Criteria	1) 10M and 60M Wind Direction has changed at least 10 deg. or Sigma T 10M is > 0.5 deg. in last 3 hours. 2) 10M and 60M Wind Speed (primary or secondary) is > 0.5 mph for at least one of the past 6 consecutive hours. 3) 10M and 60M Wind Speed is > 0 mph and < 56 mph. 4) dT between 10M and 60M is >3.0°C and < 5.0°C **. 5) CHANNEL CHECK Sat. *						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Wind Direction Change last 18 hours 60M ***	89						
Wind Direction Change last 18 hours 10M ***	359						
Primary Sigma Theta 10M Change last 3 hours ***/****	7						
Secondary Sigma Theta 10M Change last 3 hours ***/****	8						
Maximum wind Speed last 6 hours 60M	15						
Maximum wind Speed last 6 hours 10M	9						
Primary Wind Speed 60M	13						
Secondary Wind Speed 60M	13						
Primary Wind Speed 10M	9						
Secondary Wind Speed 10M	9						
Primary dT between 10M and 60M #	-0.67						
Secondary dT between 10M and 60M #	-0.64						
INITIALS	DL						

*** If IPCS point D40CB5276 "Wind Speed 60-M Calm Present" is "yes" acceptance criteria 1 is not applicable
**** If IPCS point D40CB5275 "Wind Speed 10-M Calm Present" is "yes" acceptance criteria 1 is not applicable
# If IPCS Point D40CB5271 "Lake Breeze Status" is "yes" acceptance criteria 4 is not applicable

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17.0 Unlocked Fire Door Without Electrical Supervision

TRM	TRSR 3.12.8.1				Applicability: At all times.		
Acceptance Criteria	CLOSED.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Door from Control Room to Stairwell to Relay Room R3-20	✓						
Door from Cable Spreading Room to Southwest Stairwell to Control Room RM2-2	✓						
INITIALS	JC						

18.0 Control Center Normal Makeup Air Radiation (Control Room Ventilation) (RR H11-P883)

Tech Spec	SR 3.3.7.1.1, Table 3.3.7.1-1, Function 4								Applicability: During OPDRVs, during movement of recently irradiated fuel assemblies in the secondary containment.					
Acceptance Criteria	1) > 20 cpm and < 340 cpm. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
D11-K809, Div 1 CCHVAC Makeup Air Radiation Monitor	40													
INITIALS	JC													

19.0 Reactor Protection System (RPS) Shorting Links

TRM	TRSR 3.3.1.2.1								Applicability: MODE 5 with two or more control rods withdrawn from core cells containing one or more fuel assemblies and SHUTDOWN MARGIN not demonstrated for the current core configuration.					
Acceptance Criteria	RPS Shorting Links removed.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
In RR H11-P609, no links installed between: CC-75 and CC-76	N/A													
In RR H11-P609, no links installed between: CC-77 and CC-78														
In RR H11-P609, no links installed between: AA-80 and AA-81														
In RR H11-P609, no links installed between: AA-107 and AA-108														
In RR H11-P611, no links installed between: CC-75 and CC-76														
In RR H11-P611, no links installed between: CC-77 and CC-78														
In RR H11-P611, no links installed between: AA-113 and AA-114														
In RR H11-P611, no links installed between: AA-115 and AA-116														
INITIALS	JC													

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20.0 Fuel Pool Ventilation Exhaust Radiation

Tech Spec	SR 3.3.6.2.1, Table 3.3.6.2-1, Function 3 Applicability: During OPDRVs, during movement of recently irradiated fuel assemblies in secondary containment. SR 3.3.7.1.1, Table 3.3.7.1-1, Function 3 Applicability: During OPDRVs, during movement of recently irradiated fuel assemblies in the secondary containment.													
Acceptance Criteria	1) > 0.015 mr/hr and < 5 mr/hr. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
Fuel Pool Vent Exhaust Monitor Channel A D11-K609A	0.32													
Fuel Pool Vent Exhaust Monitor Channel C D11-K609C	0.13													
Fuel Pool Vent Exhaust Monitor Channel B D11-K609B	0.3													
Fuel Pool Vent Exhaust Monitor Channel D D11-K609D	0.11													
INITIALS	JL													

21.0 Control Room Direct Radiation Monitor (H11-P849)

TRM	TRSR 3.3.14.1, Table TR3.3.14-1, Function 2 Applicability: At all times.													
Acceptance Criteria	1) > 0.015 mr/hr and < 0.5 mr/hr. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
Control Room Direct Radiation Monitor D21-K706	0.045													
INITIALS	JL													

22.0 Area Monitors -- Criticality Monitors -- Fuel Storage Pool (H11-P849)

TRM	TRSR 3.3.14.1, Table TR3.3.14-1, Function 1.b Applicability: With fuel in the fuel storage pool.													
Acceptance Criteria	1) > 0.015 mr/hr and < 5 mr/hr. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
Spent Fuel Storage Pool Area Criticality Monitor D21-K715	0.18													
Spent Fuel Storage Pool Area Criticality Monitor D21-K717	0.32													
INITIALS	JL													

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

23.0 Area Monitors -- Criticality Monitors – New Fuel Vault (H11-P849)

TRM	TRSR 3.3.14.1, Table TR3.3.14-1, Function 1.a Applicability: With fuel in the new fuel vault.													
Acceptance Criteria	1) > 0.015 mr/hr and < 0.5 mr/hr. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
New Fuel Storage Area Criticality Monitor D21-K716														
INITIALS														

24.0 Control Center Normal Makeup Air Radiation (Control Room Ventilation) (H11-P884)

Tech Spec	SR 3.3.7.1.1, Table 3.3.7.1-1, Function 4 Applicability: During OPDRVs, During movement of recently irradiated fuel assemblies in the secondary containment.													
Acceptance Criteria	**NOTE:** Green Failure Light "ON" is normal when properly operating. 1) > 20 cpm and < 340 cpm. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
D11-K813, Div 2 CCHVAC Makeup Air Radiation Monitor	45													
INITIALS	SR													

25.0 Circulating Water Reservoir Decant Radioactivity (H11-P884)

ODCM	4.3.7.11, Table 4.3.7.11-1, Instrument 2.a Applicability: At all times.						
Acceptance Criteria	1) > 100 cpm and < 1300 cpm. 2) CHANNEL CHECK Sat.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
D11-K802, CW Reservoir Decant Radiation Monitor	250						
INITIALS	SR						

26.0 Unlocked Fire Door Without Electrical Supervision

TRM	TRSR 3.12.8.1 Applicability: At all times.						
Acceptance Criteria	CLOSED.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Door to Div 2 Battery Chargers R3-26	✓						
INITIALS	SR						

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

27.0 Reactor Steam Dome Pressure (Testability Panels, AB4-F12)

Tech Spec	SR 3.3.5.1.1, Table 3.3.5.1-1, Function 1.c, 2.c, 2.e Applicability: MODE 5 when associated subsystem(s) of LCO 3.5.2 are required to be OPERABLE.													
Acceptance Criteria	1) Indicators agree within 100 psi. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
ECCS Div. 1 H21-P080 B21-N690C	40													
ECCS Div 1 H21-P082 B21-N610A	30													
ECCS Div 1 H21-P082 B21-N610C	10													
ECCS Div 1 H21-P082 B21-N690A	0													
ECCS Div 2 H21-P081 B21-N690D	10													
ECCS Div 2 H21-P083 B21-N610B	0													
ECCS Div 2 H21-P083 B21-N610D	0													
ECCS Div 2 H21-P083 B21-N690B	0													
Circle in red highest and lowest readings and record difference	40													
INITIALS	SL													

28.0 Reactor Vessel Water Level -- Wide Range (Testability Panels, AB4-F12)

Tech Spec	SR 3.3.5.1.1, Table 3.3.5.1-1, Function 1.a, 2.a, 2.d Applicability: MODE 5 when associated subsystem(s) of LCO 3.5.2 are required to be OPERABLE. SR 3.3.6.2.1, Table 3.3.6.2-1, Function 1 Applicability: During OPDRVs. SR 3.3.7.1.1, Table 3.3.7.1-1, Function 1 Applicability: During OPDRVs.													
Acceptance Criteria	1) Wide Range Indicators agree within 22 inches. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
ECCS DIV 1 H21-P082 B21-N691A	>220													
ECCS DIV 1 H21-P082 B21-N691C	>220													
RPS A-1 H21-P084 B21-N681A	>220													
RPS B-1 H21-P086 B21-N681B	>220													
ECCS DIV 2 H21-P083 B21-N691B	>220													
ECCS DIV 2 H21-P083 B21-N691D	>220													
RPS A-2 H21-P085 B21-N681C	>220													
RPS B-2 H21-P087 B21-N681D	>220													
Circle in red highest and lowest readings and record difference	0													
INITIALS	SL													

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

29.0 Reactor Vessel Water Level -- Narrow Range (Testability Panels, AB4-F12)

Tech Spec	**NOTE:** Only one trip system required when RHR Shutdown Cooling System integrity maintained. SR 3.3.6.1.1, Table 3.3.6.1-1, Function 6.b Applicability: MODE 5.													
Acceptance Criteria	1) Narrow Range Indicators agree within 5 inches. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
ECCS DIV 1 H21-P082 B21-N695A	>220													
ECCS DIV 1 H21-P082 B21-N695C	>220													
RPS A-1 H21-P084 B21-N680A	>220													
RPS B-1 H21-P086 B21-N680B	>220													
ECCS DIV 2 H21-P083 B21-N695B	>220													
ECCS DIV 2 H21-P083 B21-N695D	>220													
RPS A-2 H21-P085 B21-N680C	>220													
RPS B-2 H21-P087 B21-N680D	>220													
Circle in red highest and lowest readings and record difference	0													
INITIALS	DZ													

30.0 Scram Discharge Volume Water Level (Testability Panels, AB4-F12)

Tech Spec	SR 3.3.1.1.1, Table 3.3.1.1-1, Function 8.a Applicability: MODE 5 with any control rod withdrawn from a core cell containing one or more fuel assemblies.													
Acceptance Criteria	**NOTE:** Normally indicates ≤ 20.5 inches. 1) Indicators agree within 8 inches. 2) CHANNEL CHECK Sat.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
RPS A-1 H21-P084 C11-N601A	N/A													
RPS B-1 H21-P086 C11-N601B	↓													
RPS A-2 H21-P085 C11-N601C	↓													
RPS B-2 H21-P087 C11-N601D	↓													
Circle in red highest and lowest readings and record difference	↓													
INITIALS	DZ													

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

31.0 Testability Panels (AB4-F12)

a. Inspect all testability cabinets for gross failure light and log any device with a gross failure.

Other	RACTS 07816										Applicability: At all times.			
Acceptance Criteria	**NOTE:** Reset any gross failure lights not due to surveillances or calibrations in progress and report any which will not reset to SM.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
ECCS DIV 1 H21-P080	✓													
ECCS DIV 1 H21-P082	✓													
RPS A-1 H21-P084	✓													
RPS B-1 H21-P086	✓													
ECCS DIV 2 H21-P081	✓													
ECCS DIV 2 H21-P083	✓													
RPS A-2 H21-P085	✓													
RPS B-2 H21-P087	✓													
INITIALS	[illegible]													

32.0 Secondary Containment Pressure Correction Information - Location of highest reading (Least Negative) Pressure Sensor [T41-N342A(B), N343A(B), N344A(B), or N345A(B)] on the Refueling Floor

NOTE: This information is only required if T41-R800A or B are reading < 0.25 inches wc vacuum in the Control Room.

Tech Spec	SR 3.6.4.1.1				Applicability: During movement of recently irradiated fuel assemblies in the secondary containment, During OPDRVs.		
Acceptance Criteria	Information recorded and transferred to Step 15.0.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Highest Reading (Least Negative) Sensor Location (North, South, East, West) T41-N342A/B, N343A/B, N344A/B, N345A/B	N						
INITIALS	[illegible]						

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

33.0 Regulator Pressure for Floodup Indicator B21-R605

Other	NA Applicability: During movement of irradiated fuel assemblies within the RPV, During movement of new fuel assemblies or handling of control rods within the RPV, when irradiated fuel assemblies are seated within the RPV. **NOTE:** Ambient losses must be such that no increase in Reactor Vessel water temperature will occur (even though COLD SHUTDOWN conditions are being maintained). Applicability: MODE 5 with irradiated fuel is in the RPV, the water level < 20 ft 6 inches above the top of the RPV flange, and heat losses to ambient not greater than or equal to heat input to reactor coolant.													
Acceptance Criteria	1) Information recorded and transferred to Steps 3.0 and 4.0 b. 2) Temp Volume Chamber Water Level 1/2 full (at mark) ± 1/10 inch.													
ITEM	**SUN**		**MON**		**TUE**		**WED**		**THUR**		**FRI**		**SAT**	
	N	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**	**N**	**D**
Press Outlet of Reg P50-F434 (RB2-C11)	28.2													
Temp Volume Chamber Water Level	1/2													
INITIALS	JL													

34.0 Unlocked Fire Door Without Electrical Supervision

TRM	TRSR 3.12.8.1 Applicability: At all times.						
Acceptance Criteria	CLOSED.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Rx Bldg. to Aux. Basement – Control Air Compressor Area RB8	✓						
INITIALS	JL						

35.0 Reactor-Drywell Seals Bellows Leakage

Other	RACTS 88207 Applicability: First 3 days following reactor cavity flooding.						
Acceptance Criteria	No leakage observed.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
G41-R500, Dryer Separator Pit Leakage Indicator (RB2-F12)	✓						
INITIALS	JL						

36.0 Unlocked Fire Door Without Electrical Supervision

TRM	TRSR 3.12.8.1 Applicability: At all times.						
Acceptance Criteria	CLOSED.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	N	**N**	**N**	**N**	**N**	**N**	**N**
Door from RBCCW area to equipment hatch area R1-10	✓						
INITIALS	JL						

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

37.0 ISFSI Storage Pad

ISFSI Tech Spec	ISFSISR 3.1.2				Applicability: Whenever fuel is stored in an OVERPACK on the storage pad.		
Acceptance Criteria	1) Inlet and outlet air ducts are free of blockage from solid debris or floodwater.						
ITEM	**SUN**	**MON**	**TUE**	**WED**	**THUR**	**FRI**	**SAT**
	D	**D**	**D**	**D**	**D**	**D**	**D**
Vents clear.	N/A						
INITIALS	[illegible]						

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

Remarks/Notes

SUNDAY

Nights

D. Reeser
Performer's Name (Print)

Performer's Name (Sign)

JZ
Performer's Initials

8/29/2010 0400
Completed Date/Time

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS / Date

Days

Performer's Name (Print)

Performer's Name (Sign)

Performer's Initials

Completed Date/Time

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS / Date

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

MONDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

TUESDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

WEDNESDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

THURSDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____

Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

SHIFTLY/DAILY -- MODE 5

Week of 8/29/2010

FRIDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

SATURDAY

Nights

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____

Days

Performer's Name (Print) _____ Performer's Name (Sign) _____ Performer's Initials _____

Completed Date/Time _____ Tech Specs/TRM/ODCM/Other met on applicable steps ❑Yes ❑No

SM/CRS _____ / Date _____