## ENCLOSURE 10 to CAW-17-4551

V3&4 NRC ILT-2 Simulator Scenarios JPMs

(Non-Proprietary)

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)

eactivity Data Sheet	Date: today
gtle Unit 3	Shift: ⊠ Day ☐ Night
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Appendix D	Scenario Outline	Form ES-D-1

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	SIMULA	TOR BOOTH INSTRUCTIONS	a, c
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l	SIMULATOR B	OOTH INSTRUCTIONS (continued)	j

COMMUNICATIONS SHEET			
Unless s	Note: Unless stated below, acknowledge the requests made to the booth operator verbatim and provide no other information.		
EVENT	TIME	COMMMUNICATION(S)	
1	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for failed PORV and other steam leaks. A return call is unnecessary.	
2	When requested	As <b>Work Control</b> , <b>I&amp;C</b> , <b>Maintenance</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for failed MFCV. A return call is unnecessary.	
3	When requested	As Reactor Engineering, Chemistry, or Radiation Protection, repeat back verbatim any directions given for samples, surveys, system status investigations, etc. A return call is unnecessary.	
3	When requested	As <b>Plant Management</b> , direct crew to maintain current power level until Engineering evaluation is complete. A return call is unnecessary.	
4	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for CMT level transmitter. A return call is unnecessary.	
5	When requested	As Work Control, I&C, Maintenance repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for failed TCS pump.  Wait 5 minutes, report "BOTH TCS pumps are running, no local indication of shaft shear for TCS-MP-02A."	
5	When requested	As <b>Work Control</b> , repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for investigating a hydrogen leak. A return call is unnecessary.	
5	When requested	As <b>Work Control</b> , repeat back verbatim any directions given for verifying position of TCS-V706. (TCS-ARP-001-048, Step 3)  Wait 5 minutes, report "TCS-V706 is open."	
6	When requested	If AOP-703 is entered, As <b>Work Control</b> , repeat back verbatim any directions given for AOP-703 Step 2 RNO actions. A return call is unnecessary.	
6	When requested	As <b>Work Control</b> , repeat back verbatim any directions given for temporary air compressor. A return call is unnecessary.	
6	When requested	As <b>Work Control</b> , repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for investigating CCS pumps tripping. A return call is unnecessary.	
7	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for operating PXS-V108A/B from the CIMs. A return call is unnecessary.	

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Potential Critical Task	a, c

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EOP based Critical Task	a, c
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## **SCENARIO REVIEW CHECKLIST**

SCENARIO NUMBER: 1

VALIDATION TIME: 89 minutes (1<sup>st</sup> validation) / 93 minutes (2nd validation)

D.5.c		ative Attributes	s (Per Scenario	; See Section		Ac	tual Attributes	
1.	Malfunct	ions after EOP e	entry (1-2)			(E	3 events 7, 8, 9)	
2.	Abnorma	al events (2-4)				(Ev	4 rents 1, 2, 3, 5)	
3.	Major tra	nsients (1–2)					1 (Event 6)	
4.	EOPs er	tered/requiring	substantive acti	ons (1–2)			1 (E-0)	
5.	EOP cor	tingencies requ	iring substantive	e actions (0-2)			1 (ES-0.1)	
6.	EOP bas	ed Critical tasks	s (2–3)			2 (Events 7,8)		
7.	Total nur	mber of Critical	Tasks (2 - 6)		4 (Events 2, 5, 7, 8)			
(ES-3	(ES-301-5)							
		R	N	I/C		M	TS	
	SRO	1	0	7		1	2	
(	OATC	1	0	3		1	0	
	UO	0	0	4		1	0	

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Form ES-D-2

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Form ES-D-2

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Form ES-D-2

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Form ES-D-2

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Form ES-D-2

Appendix D a, c

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Form ES-D-2

V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)

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Reactivity Data Sheet	Date: today
Vogtle Unit 3	Shift: ⊠ Day ☐ Night

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Appendix D	Scenario Outline	Form ES-D-1
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SIMULATOR BOOTH INSTRUCTIONS	
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COMMUNICATIONS SHEET						
Note:						
Unless stated below, acknowledge the requests made to the booth operator verbatim.						
EVENT	TIME	COMMMUNICATION(S)				
1	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for failed PZR heater breaker. A return call is unnecessary.				
2	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for failed CRDM fan. A return call is unnecessary.				
3	When requested	As <b>Work Control</b> , <b>I&amp;C</b> repeat back verbatim any directions given for investigating, repairing, initiating Condition Report for lowering accumulator pressure. A return call is unnecessary.				
3	When requested	As <b>Work Control, Maintenance, RP, Engineering</b> , repeat back verbatim any directions given for making preparations to enter containment for investigating the leaking accumulator.				
4	When requested As <b>Work Control, I&amp;C</b> repeat back verbatim any directions gi investigating, repairing, initiating Condition Report for tripped SF return call is unnecessary.					
4	When requested	As <b>Work Control</b> , repeat back verbatim any directions given for checking position of SFS valves in step 15 RNO.  5 minutes after requested, report "valves in AOP-116, step 15 RNO b and c are in the required positions."				
I Evaminer I		Enter the control room to hand the SS results from B-GEN-PLMM-201 for review.				
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7	none					
8	none					
9	none					
10	none					

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	EOP based Critical Task	
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	EOP based Critical Task		
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## **SCENARIO REVIEW CHECKLIST**

SCENARIO NUMBER: 3

VALIDATION TIME: 80 minutes (1<sup>st</sup> validation) / 109 minutes (2nd validation)

Target Quantitative Attributes (Per Scenario; See Section D.5.d) (Bottom of ES-301-4)					Actual Attributes	
1. Ma	Malfunctions after EOP entry (1-2)					
2. Ab	2. Abnormal events (2-4)					
3. Ma	3. Major transients (1–2)					
4. EOPs entered/requiring substantive actions (1–2)						1 (E-0)
5. EOP contingencies requiring substantive actions (0-2)						0
6. EOP based Critical tasks (2–3)						2 (Events 8 & 9)
7. To	7. Total number of Critical Tasks (2 - 6)					2 (Events 8 & 9)
(ES-301-5	)					
	R	N	I/C	M	TS	
SRO	1	1	7	1	0	
OATC UO	0 1	0 1	3	1	0	

V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Simulator Scenarios JPMs

VOGTLE Version A=0.0 Unit B Page 17 of 20	
VOGTLE Unit B	
Main Steamline Code Safety Valve Setpoint Verification	Westinghouse Non-Proprietary Class 3

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Plant Startup Mode 2 to 25% Power	3-GOP-3	
	VOGTLE	Version H=0.7
	Unit 3	Page 2 of 51

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Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 165 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
	Unit 3	Page 10 of 51

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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 172 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 173 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 174 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 175 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
	Unit 3	Page 15 of 51

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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
	Unit 3	Page 16 of 51

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 177 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
	Unit 3	Page 17 of 51

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Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 179 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 180 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 182 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 183 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 184 of 265
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	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 185 of 265
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	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 186 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 187 of 265
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	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 188 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 191 of 265
Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 192 of 265
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	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 194 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 195 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 196 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 198 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 199 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 200 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 201 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 202 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 203 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 204 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 205 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 206 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 207 of 265
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 208 of 265
Plant Startup Mode 2 to 25% Power	to 25% Power	
	VOGTLE	Version H=0.7
	Unit 3	Page 48 of 51

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 209 of 265
Plant Startup Mode 2 to 25% Power	o 25% Power	
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)		Page 210 of 265
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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)			Page 211 of 265
Plant Startup Mode 2 to 25% Power			3-GOP-306
	VO	GTLE	Version H=0.7
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			ATTACHMENT 1
	_		Page 1 of 1
TASK SHEET			
ALL PERSONNEL INVOLVED IN PERFORMING PROC (Print/Sign Name)	EDURE		INITIAL
(Filliboigh Name)			INITIAL
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(Mark the following N/A if not applicable)			
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Form ES-D-1

Appendix D

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Scenario Outline

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## SIMULATOR BOOTH INSTRUCTIONS

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COMMUNICATIONS SHEET					
Note:					
Unless stated below, acknowledge the requests made to the booth operator verbatim.					
EVENT	TIME	COMMMUNICATION(S)			
1	When requested	As <b>Chemistry</b> , acknowledges report of entering MODE 1. A return call is unnecessary.			
2	When requested	As Work Control, Maintenance or I&C acknowledges request to investigate failed temperature instrument, initiate repair, Condition report, etc.  A return call is unnecessary.			
3	When requested	As <b>Work Control, Maintenance or I&amp;C</b> , acknowledges request to investigate failed SFCV (SGS-V255B), initiate repair, Condition report, etc. A return call is unnecessary.			
4	None	·			
5	When requested	As <b>Work Control, Maintenance or I&amp;C</b> , acknowledges request to investigate CAS-V014, initiate repair, Condition report, etc. A return call is unnecessary.			
5	When requested	As Work Control, Maintenance or I&C, acknowledges request to investigate for air leaks. A return call is unnecessary.			
5	When requested	As <b>Work Control or Maintenance</b> , acknowledges request to obtain a temporary air compressor. A return call is unnecessary.			
5	When requested	As <b>Work Control or Maintenance</b> , acknowledges request to check CAS-V017 closed. A return call is unnecessary.  5 minutes after requested, inform MCR that "CAS-V017 is closed."			
6	When requested	As Work Control, Maintenance or I&C, acknowledges request to investigate failed PZR Master Controller fasilure, initiate repair, Condition report, etc. A return call is unnecessary.			
7	none				
8	When requested	As <b>Work Control</b> , repeat back verbatim any directions given to locally open RTBs.  5 minutes after requested, inset Man. Trg. 18, then report that RTBs have been locally opened.			
9	none				

## **EVENT SUMMARY**

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	Critical Task	
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<u>Critical Lask</u>		
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<b>EOP based Critical Task</b>		

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## **SCENARIO REVIEW CHECKLIST**

SCENARIO NUMBER: 4

VALIDATION TIME: 87 minutes (1st validation) / 114 minutes (2nd validation)

Target Quantitative Attributes (Per Scenario; See Section D.5.d) (Bottom of ES-301-4)			Actual Attributes				
1.	Malf	functions af	ter EOP en	try (1-2)			3 (Events 8, 9, & 10)
2.	Abn	ormal even	ts (2-4)				3 (Events 3, 5, & 6)
3.	Majo	or transient	s (1–2)				1 (Event 7)
4.	EOF	s entered/r	equiring su	ıbstantive a	actions (1–2	2)	1 (E-0)
5. EOP contingencies requiring substantive actions (0-2)		1 (FR-S.1)					
6.	6. EOP based Critical tasks (2–3)			1 (Event 8)			
7.	7. Total number of Critical Tasks (2 - 6)			3 (Events 3, 5, & 8)			
(ES-3	301-5)						
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Form ES-D-2

V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions

Appendix D

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions Form ES-D-2 Appendix D a, c

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions

Appendix D

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions

Appendix D

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V3&4 NRC ILT-2 Simulator Scenarios JPMs (Non-Proprietary)
Appendix D Required Operator Actions

Appendix D

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Appendix D Required Operator Actions Appendix D a, c

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ENCLOSURE 8 to CAW-17-4551

V3&4 NRC ILT-2 Sim JPMs

(Non-Proprietary)

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**VOGTLE UNITS 3&4** JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM Rev. 3

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### **SIMULATOR BOOTH INSTRUCTIONS**

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## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM Rev. 3

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### **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM Rev. 3

START	TIME:	

### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT	
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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

STEP/STANDARD

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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT
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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

STEP/STANDARD

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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

STEP/STANDARD

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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

STEP/STANDARD

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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT	
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# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE A ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT
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## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE ILT-2 NRC EXAM

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### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

# **INITIAL CONDITIONS:**

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VOGTLE Unit 3

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 18 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 19 of 254
Plant Startup Mode 2 to 25% Power	3-GOP-3	
	VOGTLE	Version H=0.7
	Unit 3	Page 5 of 51

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 20 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
	Unit 3	Page 6 of 51

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 21 of 254
Plant Startup Mode 2 to 25% Power	3-GOP-30	
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 22 of 254	
Plant Startup Mode 2 to 25% Power		3-GOP-306	
	VOGTLE	Version H=0.7	
	Unit 3	Page 8 of 51	

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)	1.0 p	Page 23 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 24 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 25 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 26 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 27 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Plant Startup Mode 2 to 25% Power

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 29 of 254
Plant Startup Mode 2 to 25% Power	3-GOP-30	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 30 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 31 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-3
	VOGTLE	Version H=0
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	V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 32 of 254
	Plant Startup Mode 2 to 25% Power		3-GOP-306
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Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 34 of 254	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 35 of 254	
Plant Startup Mode 2 to 25% Power		3-GOP-306	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 36 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 37 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 38 of 254	
Plant Startup Mode 2 to 25% Power	3-GOP-30		
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 39 of 254	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 43 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 44 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 45 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 46 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 48 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 49 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 50 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 52 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 53 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 54 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 55 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 56 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 57 of 254
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	VOGTLE	Version H=0.7
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 58 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 59 of 254
Plant Startup Mode 2 to 25% Power		3-GOP-306
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 61 of 254		
Plant Startup Mode 2 to 25% Power		3-GOP-306		
	VOGTLE	Version H=0.7		
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 62 of 254
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 63 of 254	
Plant Startup Mode 2 to 25% Power		3-GOP-306	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 64 of 254	
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Page 65 of 254 V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary) 3-GOP-306 Plant Startup Mode 2 to 25% Power Version H=0.7 VOGTLE Page 51 of 51 Unit 3 **ATTACHMENT 1** Page 1 of 1 TASK SHEET ALL PERSONNEL INVOLVED IN PERFORMING PROCEDURE INITIAL (Print/Sign Name) James Dugas 00 Comments: (Mark the following N/A if not applicable) DATE: \_\_\_\_\_ REVIEWED BY: (Print/Sign)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)	VOGTLE UNITS 3&4  JOB PERFORMANCE MEASURE <b>B</b> ILT-2 NRC EXAM Rev. 3	Page 67 of 254
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### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM Rev. 3

#### SIMULATOR BOOTH INSTRUCTIONS

- 1. Reset to IC 431 (at least twice).
- 2. APP/TRG files are required for this JPM.
  - a. APP file(s) NONE
  - b. TRG file(s) NONE
- 3. Ensure WPIS screens are selected to MODES 1-2 Screens.
- 4. Ensure RO 'C', UO, and SRO workstations are at the windows home screen.
- 5. Another operator is available to perform alarms if requested.
- 6. Ensure a marked up version of the procedure is available:
  - a. 3-CVS-SOP-001 (Chemical And Volume Control System) Version F=0.5

**Note**: Do **NOT** go to RUN for JPM performance until the candidate performing this JPM has read the initial conditions, task statement, etc. and is ready to proceed.

7. When the candidate and the examiners are ready to proceed, place the simulator in RUN. No further actions will be needed.

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### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM Rev. 3

#### READ TO APPLICANT

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM Rev. 3

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START TIME:	
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#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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	STEP/STANDARD	SAT/UNSAT	
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STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

Page 74 of 254

SAT/UNSAT

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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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Page 79 of 254

	STEP/STANDARD	SAT/UNSAT	
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **B**ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT	
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STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT	
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STEP/STANDARD	SAT/UNSAT
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### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE ILT-2 NRC EXAM

#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 85 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 48 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 86 of 254
Chemical And Volume Control System	3-CVS-S0	
	VOGTLE	Version F=0.5
	Unit 3	Page 49 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 87 of 254
Chemical And Volume Control System	3-CVS-SOP-	
	VOGTLE	Version F=0.5
	Unit 3	Page 50 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 88 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 51 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 89 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 52 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 90 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 53 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 91 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 54 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 92 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 55 of 147

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 93 of 254
Chemical And Volume Control System		3-CVS-SOP-001
	VOGTLE	Version F=0.5
	Unit 3	Page 56 of 147

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JOB PERFORMANCE MEASURE **C** ILT-2 NRC EXAM Rev. 3 a, c

**VOGTLE UNITS 3&4** 

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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#### **SIMULATOR BOOTH INSTRUCTIONS**

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### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE C ILT-2 NRC EXAM Rev. 3

#### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE C ILT-2 NRC EXAM Rev. 3

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START	TIME:	

#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD SAT/U	JNSAT	
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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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SNC ND-17-0635 Enclosure: Page 1002 of 1907

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE C

ILT-2 NRC EXAM

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STEP/STANDARD	SAT/UNSAT
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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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SNC ND-17-0635 Enclosure: Page 1005 of 1907 **VOGTLE UNITS 3&4** 

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JOB PERFORMANCE MEASURE D	
ILT-2 NRC EXAM Rev. 3	_
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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### **SIMULATOR BOOTH INSTRUCTIONS**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE **D**ILT-2 NRC EXAM Rev. 3

### READ TO APPLICANT

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **D**ILT-2 NRC EXAM Rev. 3

Page	109	of 1	254
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START TIME:

### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **D**ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **D**ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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		STEP/STANDARD	SAT/UNSAT
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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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	V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)	JOB PERFORMANCE MEASURE E	Page 120 of 254
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	SIMULATOR BOOTH INSTRUCTIONS
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VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE E

ILT-2 NRC EXAM Rev. 3

### **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE E ILT-2 NRC EXAM Rev. 3

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START TIME:	
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### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

STEP/STANDARD

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SAT/UNSAT

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STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT	
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	STEP/STANDARD	SAT/UNSAT	
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	STEP/STANDARD	SAT/UNSAT
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

## VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE E ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**



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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 133 of 254
Startup Feedwater System		3-FWS-SOP-002
	VOGTLE	Version A=0.0
	Unit 3	Page 35 of 47
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3-FWS-SOP-002

Startup reedwater System		3-FW3-30P-002
	VOGTLE	Version A=0.0
	Unit 3	Page 36 of 47
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Startup Feedwater System

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 135 of 254
Startup Feedwater System	stem	
	VOGTLE	Version A=0.0
	Unit 3	Page 37 of 47

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

**VOGTLE UNITS 3&4** Page 137 of 254 JOB PERFORMANCE MEASURE **F** ILT-2 NRC EXAM Rev. 3

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### **SIMULATOR BOOTH INSTRUCTIONS**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE F

ILT-2 NRC EXAM Rev. 3

#### READ TO APPLICANT

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

#### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE F ILT-2 NRC EXAM Rev. 3

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START TIME:	
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#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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STEP/STANDARD

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE F ILT-2 NRC EXAM

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STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

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SAT/UNSAT

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE F ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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	STEP/STANDARD	SAT/UNSAT	
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	STEP/STANDARD	SAT/UNSAT
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE F ILT-2 NRC EXAM

STEP/STANDARD

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SAT/UNSAT

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE F ILT-2 NRC EXAM

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STEP/STANDARD

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SAT/UNSAT

a, c

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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

INITIAL CONDITIONS:

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VOGTLE Unit 3

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 156 of 254
Reactor Trip or Safeguards Actuation		3-EOP-E-0
	VOGTLE	Version E=0.4
	Unit 3	Page 2 of 59

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SNC ND-17-0635 Enclosure: Page 1056 of 1907

Reactor Trip or Safeguards Actuation		Page 157 of 254 3-EOP-E-
	VOGTLE	Version E=0.
	Unit 3	Page 3 of 5
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VOGTLE	Version E=0.4
Unit 3	Page 4 of 59
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Reactor Trip or Safeguards Actuation

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Reactor Trip or Safeguards Actuation

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Reactor Trip or Safeguards Actuation

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Reactor Trip or Safeguards Actuation

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 211 of 254
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Reactor Trip or Safeguards Actuation		3-EOP-E-0
	VOGTLE	Version E=0.4
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	V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)	JOB PERFORMANCE MEASURE <b>G</b>	Page 215 of 254
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### **SIMULATOR BOOTH INSTRUCTIONS**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE **G**ILT-2 NRC EXAM Rev. 3

### **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **G**ILT-2 NRC EXAM Rev. 3

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<b>START</b>	TIME:	

#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **G**ILT-2 NRC EXAM

STEP/STANDARD

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

# VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **G**ILT-2 NRC EXAM

STEP/STANDARD

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STEP/STANDARD

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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT	
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	STEP/STANDARD	SAT/UNSAT
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE **G**ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

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SAT/UNSAT

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STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT	
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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**



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**VOGTLE UNITS 3&4** 

V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

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### **SIMULATOR BOOTH INSTRUCTIONS**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE **H**ILT-2 NRC EXAM Rev. 2

#### **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

### VOGTLE UNITS 3&4 JOB PERFORMANCE MEASURE **H**ILT-2 NRC EXAM Rev. 2

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#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

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SAT/UNSAT

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	STEP/STANDARD	SAT/UNSAT	
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#### APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 248 of 254	
Liquid Radwaste System		3-WLS-SOP-001	
	VOGTLE	Version G=0.6	
	Unit 3	Page 13 of 164	

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 249 of 254
Liquid Radwaste System		3-WLS-SOP-001
	VOGTLE	Version G=0.6
	Unit 3	Page 14 of 164

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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 251 of 254
Liquid Radwaste System		3-WLS-SOP-001
	VOGTLE	Version G=0.6
	Unit 3	Page 16 of 164

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3-WLS-SOP-001

	VOGTLE	Version G=0.6
	Unit 3	Page 17 of 164
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)

Liquid Radwaste System

SNC ND-17-0635 Enclosure: Page 1152 of 1907

	3-WLS-SOP-001
VOGTLE	Version G=0.6
Unit 3	Page 18 of 164
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V3&4 NRC ILT-2 Sim JPMs (Non-Proprietary)		Page 254 of 254
Liquid Radwaste System		3-WLS-SOP-001
	VOGTLE	Version G=0.6
	Unit 3	Page 19 of 164

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ENCLOSURE 6 to CAW-17-4551

V3&4 NRC ILT-2 In-Plant JPMs

(Non-Proprietary)

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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**VOGTLE UNITS 3&4** V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) JOB PERFORMANCE MEASURE ILT-2 NRC EXAM Rev. 2

### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

## **INITIAL CONDITIONS:**

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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#### **Evaluator Note(s):**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument. The screenshots that are referenced in the steps below have been added after the last step of the JPM.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE I

ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT	
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STEP/STANDARD	SAT/UNSAT

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE I

ILT-2 NRC EXAM

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STEP/STANDARD

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE I

ILT-2 NRC EXAM

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	STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE I

ILT-2 NRC EXAM

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STEP/STANDARD	SAT/UNSAT
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM

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# **APPLICANT CUE SHEET**

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

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VOGTLE Unit 3

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 30 of 157
Evacuation of Control Room	3-AOP	
	VOGTLE	Version E=0.4
	Unit 3	Page 2 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 31 of 157
Evacuation of Control Room	3-AOP-601	
	VOGTLE	Version E=0.4
	Unit 3	Page 3 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 32 of 157	
Evacuation of Control Room		3-AOP-601	
	VOGTLE	Version E=0.4	
	Unit 3	Page 4 of 26	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 33 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 5 of 26
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SNC ND-17-0635 Enclosure: Page 520 of 1907

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 34 of 157
Evacuation of Control Room	3-AOP-601	
	VOGTLE	Version E=0.4
	Unit 3	Page 6 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 35 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 7 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 36 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 8 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 37 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 9 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 38 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 10 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 39 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 11 of 26

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	Unit 3	Page 12 of 26	
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

**Evacuation of Control Room** 

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 41 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 13 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 42 of 157
Evacuation of Control Room		3-AOP-60
	VOGTLE	Version E=0
	Unit 3	Page 14 of 2
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 43 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 15 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 44 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 16 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 45 of 157
Evacuation of Control Room	3-AOF	
	VOGTLE	Version E=0.4
	Unit 3	Page 17 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 46 of 157
Evacuation of Control Room	3-AOP-	
	VOGTLE	Version E=0.4
	Unit 3	Page 18 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 47 of 157
Evacuation of Control Room	3-AOP-60 <sup>-</sup>	
	VOGTLE	Version E=0.4
	Unit 3	Page 19 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 48 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 20 of 26

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SNC ND-17-0635 Enclosure: Page 535 of 1907

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 49 of 157	
Evacuation of Control Room		3-AOP-601	
	VOGTLE	Version E=0.4	
	Unit 3	Page 21 of 26	

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SNC ND-17-0635 Enclosure: Page 536 of 1907

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 50 of 157	
Evacuation of Control Room	3-AOP-601		
	VOGTLE	Version E=0.4	
	Unit 3	Page 22 of 26	
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 51 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 23 of 26
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3-AOP-601

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	Unit 3	Page 24 of 26
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

**Evacuation of Control Room** 

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 53 of 157
Evacuation of Control Room		3-AOP-601
	VOGTLE	Version E=0.4
	Unit 3	Page 25 of 26

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 54 of 157	
Evacuation of Control Room	3-AOP-60 <sup>-</sup>		
	VOGTLE	Version E=0.4	
	Unit 3	Page 26 of 26	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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### **READ TO APPLICANT**

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

# **INITIAL CONDITIONS:**

SNC ND-17-0635 Enclosure: Page 545 of 1907

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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START TIME:	
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#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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STEP/STANDARD

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SAT/UNSAT

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	STEP/STANDARD	SAT/UNSAT
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	STEP/STANDARD	SAT/UNSAT
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NITS 3&4 Page 65 of 157
NCE MEASURE

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM

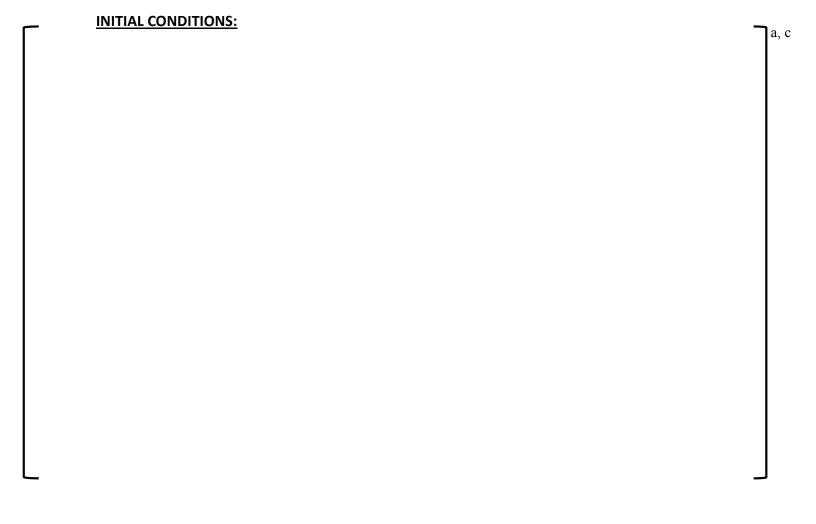
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## APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.





VOGTLE Unit 3

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 68 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 2 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 69 of 157
Malfunction of DDS	3-AOP-401	
	VOGTLE	Version D=0.3
	Unit 3	Page 3 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 70 of 157
Malfunction of DDS	Malfunction of DDS	
	VOGTLE	Version D=0.3
	Unit 3	Page 4 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 71 of 157
Malfunction of DDS	of DDS	
	VOGTLE	Version D=0.3
	Unit 3	Page 5 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 72 of 157
Malfunction of DDS	3-AOP-401	
	VOGTLE	Version D=0.3
	Unit 3	Page 6 of 40
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 73 of 157	
Malfunction of DDS		3-AOP-401	
	VOGTLE	Version D=0.3	
	Unit 3	Page 7 of 40	

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V3&4 NRC II T-2 In-Plant JPMs (Non-Proprietary)		Page 74 of 157
Malfunction of DDS	3-AOP-401	
	VOGTLE	Version D=0.3
	Unit 3	Page 8 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 75 of 157	
Malfunction of DDS		3-AOP-40	
	VOGTLE	Version D=0.3	
	Unit 3	Page 9 of 40	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 76 of 157	
Malfunction of DDS		3-AOP-401	
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	Unit 3	Page 10 of 40	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 77 of 157
Malfunction of DDS	3-AOP-401	
	VOGTLE	Version D=0.3
	Unit 3	Page 11 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 78 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 12 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 79 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 13 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)	Page 80 of 157	
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 14 of 40
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 81 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 15 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 82 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 83 of 157
Malfunction of DDS	3-AOP-4	
	VOGTLE	Version D=0.3
	Unit 3	Page 17 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 84 of 157
Malfunction of DDS	3-AOP-40	
	VOGTLE	Version D=0.3
	Unit 3	Page 18 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 85 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 19 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 86 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 20 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 87 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 21 of 40
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)	Page 88 of 157	
Malfunction of DDS	3-AOP-401	
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	Unit 3	Page 22 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)	Page 89 of 157	
Malfunction of DDS	3-AOP-40	
	VOGTLE Version D=0	
	Unit 3	Page 23 of 40

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Malfunction of DDS		3-AOP-401
	VOGTLE Version D=	
	Unit 3	Page 24 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 91 of 157	
Malfunction of DDS	3-AOP-401		
	VOGTLE	Version D=0.3	
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)	Page 92 of 157	
Malfunction of DDS		3-AOP-401
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	Unit 3	Page 26 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 93 of 157
Malfunction of DDS	3-AOP-40 <sup>-</sup>	
	VOGTLE	Version D=0.3
	Unit 3	Page 27 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 94 of 157
Malfunction of DDS		3-AOP-401
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	Unit 3	Page 28 of 40

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Malfunction of DDS		3-AOP-401
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 96 of 157
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 98 of 157
Malfunction of DDS		3-AOP-401
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 99 of 157
Malfunction of DDS		3-AOP-401
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3-AOP-401

	VOGTLE	Version D=0.3
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Malfunction of DDS

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 101 of 157	
Malfunction of DDS	3-AOP-401		
	VOGTLE	Version D=0.3	
	Unit 3	Page 35 of 40	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 102 of 157	
Malfunction of DDS	3-AOP-401		
	VOGTLE	Version D=0.3	
	Unit 3	Page 36 of 40	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 103 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 104 of 157
Malfunction of DDS	3-AOP-401	
	VOGTLE	Version D=0.3
	Unit 3	Page 38 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 105 of 157
Malfunction of DDS		3-AOP-401
	VOGTLE	Version D=0.3
	Unit 3	Page 39 of 40

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 106 of 157	
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	VOGTLE	Version D=0.3	
	Unit 3	Page 40 of 40	

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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**VOGTLE UNITS 3&4** V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) JOB PERFORMANCE MEASURE ILT-2 NRC EXAM Rev. 2

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# **INPLANT SETUP**

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

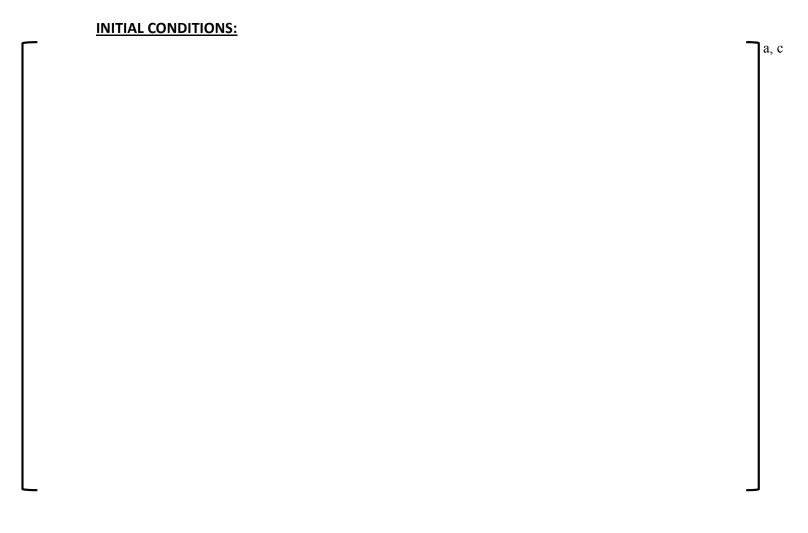
ILT-2 NRC EXAM Rev. 2

UNITS 3&4 Page 110 of 157
MANCE MEASURE

#### **READ TO APPLICANT**

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.



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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE

ILT-2 NRC EXAM Rev. 2

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START TIME:	START TIME:	
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#### **Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond "peer check is NOT available".
- When any report is given or a request is made, "acknowledge the report verbatim." Provide no other answer as this may unknowingly cue the candidate.

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	STEP/STANDARD	SAT/UNSAT
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STEP/STANDARD

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SAT/UNSAT

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STEP/STANDARD

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SAT/UNSAT

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STEP/STANDARD

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary) VOGTLE UNITS 3&4

JOB PERFORMANCE MEASURE

ILT-1 NRC EXAM

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

JOB PERFORMANCE MEASURE

ILT-1 NRC EXAM

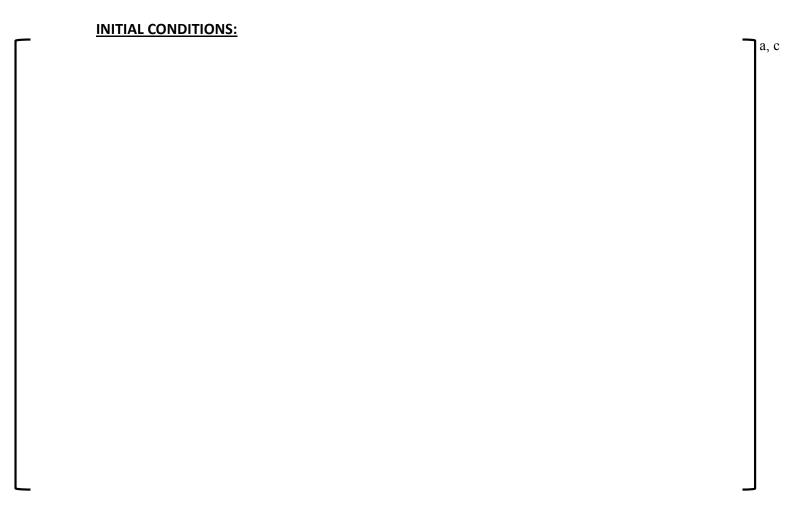
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# APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.





# Radiation Works Permit 635 Enclosure: Page 616/917907

**17-0011** 

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#### **PLANT VOGTLE** REV: 0 **ACTIVE** Status Color: GREEN PLANT MAINTENANCE IN NON-HIGH RADIATION AREAS Job **Description** Location U3/U4 Auxiliary Building, Turbine Building, Radwaste Building, & OUTSIDE AREAS **HP Coverage Authorization Briefing** START DATE 1/1/2017 12:01 AM **END DATE** 12/31/2017 11:59 AM INTERMITTENT ALL ALL Job Supv. CHRIS CHILDRESS Ext. 3422 **Radiological Conditions Tasks** AIRBORNE LEVELS: < 0.3 DAC PART AND IODINE, < 1.0 **DAD Alarms** DAC NOBLE GAS Description Dose (mr) CONTAMINATION: < 200,000 DPM/100CM2 BETA/GAMMA, <20 DPM/100CM2 ALPHA MAINTENANCE MECHANICAL 10 RAD LEVELS: < 100 MREM/HR. MAINTENANCE ELECTRICAL 10 Dosimetry INSULATION/SHEETMETAL WORK 10 OSLD & ED, RELOCATE ONLY PER HP SCAFFOLDING WORK 10 **SURVEILLANCES** 10 **Protective Clothing Requirements** WALKDOWNS AND INSPECTIONS 10 'MINIMUM REQUIREMENTS IN "C" ZONE MISCELLANEOUS TASKS 10 BOOTIES/GLOVES/LAB COAT

#### **Instructions**

- \* NO ENTRY INTO POSTED HIGH RADIATION AREAS. DOSE RATE ALARM SETPOINTS FOR GREEN RWPS CANNOT BE MODIFIED TO >=100 MREM/HR.
- \*GENERAL RWP'S WILL NOT BE ISSUED FOR WORK IN HIGH RADIATION AREAS, AREAS OF SIGNIFICANT LOOSE CONTAMINATION, OR AREAS REQUIRING A SPECIFIC JOB SURVEY BY RADIATION PROTECTION PRIOR TO ENTRY (INCLUDING SURVEY UPON ENTRY AREAS).
- st no entry into areas greater than those established in the radiological conditions block listed above.
- \* RP HAS STOP WORK AUTHORITY AS A CONTINGENCY WHEN RADIOLOGICAL CONDITIONS OR WORK PRACTICES DEVIATE SIGNIFICANTLY FROM PRE-JOB PLANNING AND/OR RWP.
- \* RP TO SURVEY AREAS PRIOR TO CLIMBING INTO ANY OVERHEAD AREAS GREATER THAN 8 FEET.
- st no breaches, cutting, welding or grinding of potentially contaminated systems allowed on this RWP.
- \* FOLLOW ALL RP INSTRUCTIONS.

Usage is Prohibited

- \* READ AND OBEY ALL POSTINGS.
- \* CLEAN UP WORK AREA PRIOR TO EXITING.

DRESS REQ. MAY BE CHANGED AS HP DIRECTS

Respirators

Prepared	Group Name	Approved	Suspended	Terminated
Prepared	Health Physics Staff	12/19/2016 12-19-2016 by MACLARK		



VOGTLE Unit 3

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Loss of Spent Fuel Pool Cooling	3-AO	
	VOGTLE	Version D=0.3
	Unit 3	Page 2 of 29
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

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3-AOP-116

	VOGTLE	Version D=0.3
	Unit 3	Page 3 of 29
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Loss of Spent Fuel Pool Cooling

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 128 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 4 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 129 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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	Unit 3	Page 5 of 29

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V3&4 NRC IL T-2 In-Plant JPMs (Non-Proprietary)		Page 131 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 132 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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	Unit 3	Page 8 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 133 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 9 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 134 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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	Unit 3	Page 10 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 135 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 136 of 157	
Loss of Spent Fuel Pool Cooling		3-AOP-116	
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 137 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 138 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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	Unit 3	Page 14 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 139 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-11
	VOGTLE	Version D=0.
	Unit 3	Page 15 of 2

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 140 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 16 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 141 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 17 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 142 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 18 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 143 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 19 of 29
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 144 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 20 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 145 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 146 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 147 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 148 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
	Unit 3	Page 24 of 29
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Loss of Spent Fuel Pool Cooling

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 150 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
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	Unit 3	Page 26 of 29

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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 151 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
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3-AOP-116

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	Unit 3	Page 28 of 29
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V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Loss of Spent Fuel Pool Cooling

SNC ND-17-0635 Enclosure: Page 639 of 1907

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)		Page 153 of 157
Loss of Spent Fuel Pool Cooling		3-AOP-116
	VOGTLE	Version D=0.3
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Page **2** of **4** 

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Westinghouse Non-Proprietary Class 3

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Page **4** of **4** 

V3&4 NRC ILT-2 In-Plant JPMs (Non-Proprietary)

Westinghouse Non-Proprietary Class 3

ENCLOSURE 4 to CAW-17-4551

V3&4 NRC ILT-2 Admin JPMs

(Non-Proprietary)

EXAMINER:

Page 2 of 154

# A.1.a RO Conduct of Operations

TITLE: Identify On-Shift Mannin EVALUATION LOCATION:   PROJECTED TIME:   ALTERNATE PATH   T	SIMULATOR		ROOM	⊠ CLASSROOM
JPM DIRECTIONS:  1. Initiation of task may be in § 2. Requiring the examinee to a the JPM.		-		
<ul> <li>TASK STANDARD: Upon success</li> <li>Determine the minimum shi Requirements," are met.</li> <li>Determine an operator can N positions on Data Sheet 2 of</li> </ul>	ft manning requir	rements of B-AI	OM-PLMO-0	02, "Shift Manning ber and SO shift
Examinee:				
Overall JPM Performance:	Satisfactory		Unsatisf	factory
<b>Evaluator Comments (attach ac</b>	lditional sheets i	f necessary)		
■				

#### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. Unit 4 is still under construction.
- 3. Units 1 & 2 are fully staffed.
- 4. The table below represents the Unit 3 Operations personnel who have arrived to receive turnover and their qualification status.

Unit 3 OPERATORS	LICENSE STATUS / QUALIFICATIONS
Mike	SRO SM, SS, STA
Eric	SRO SS, STA, SSS, Fire Brigade Leader
Robert Jason	SRO STA, SSS, Fire Brigade Leader, ENN Communicator, ENS Communicator
Bob Jarred	RO OATC, UO, ENN Communicator, ENS Communicator
Wayne James Josh Dustin Maurice Greg	NLO SO, Fire Brigade

#### **INITIATING CUES:**

- 1. Using the operations crew shown in the table provided, give a written response to the following questions:
  - a. Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).
  - b. Based on the crew shown in the table provided, can "Wayne" simultaneously fill the positions of Fire Brigade Member and Technical Specification System Operator?

ANSWER SHEET		
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES / NO	
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES / NO	

# **EVALUATION CHECKLIST**

		RESULTS:
<b>ELEMENTS:</b>	STANDARDS:	(CIRCLE)

# START TIME

*	1.	Determine if the minimum shift manning requirements of B-ADM-PLMO-002, "Shift Manning Requirements," are met.	Data Sheet 2 of B-ADM-PLMO-002 and available operations personnel table are reviewed to determine if minimum shift manning requirements are met.  (NOTE TO EXAMINER: Completion of Data Sheet 2 is NOT required to meet the critical step. The following is an example provided to aid debrief discussions with the candidate, if required. Name/position combinations may vary.	S / U
*	2.	Determine if an operator can simultaneously fill two required shift positions on Data Sheet 2 of B-ADM-PLMO-002.	Candidate determines that the operator can NOT simultaneously fill the two required shift positions.	S / U

STOP TIME

Terminate when all elements of the task have been completed.

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**CRITICAL ELEMENTS:** Critical Elements are denoted with an asterisk (\*) before the element number.

#### **GENERAL REFERENCES:**

- 1. B-ADM-PLMO-002 (Shift Manning Requirements), Version 0.1
- 2. G2.1.5 Ability to use procedures related to shift staffing, such as minimum crew complement, or overtime limitations.

  IMPORTANCE RO 2.9

#### **GENERAL TOOLS AND EQUIPMENT:**

1. Computer with reference folder

## **Critical ELEMENT justification:**

<b>STEP</b>	<u>Evaluation</u>
1.	Critical: Task completion: The candidate determines that sufficient personnel are available to relieve the shift.
2.	Critical: Task completion: The candidate determines that Wayne CANNOT fill the Fire Brigade member and SO roles simultaneously.

#### **COMMENTS:**

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# Document your answers to the following questions:

ANSWER SHEET		
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES NO	
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES	

Shift Manning Requirements	B-ADM-PLMO-002	
	VOGTLE	Version B=0.1
	Unit B	Page 9 of 10

DATA SHEET 2 Page 1 of 2

#### MINIMUM SHIFT MANNING (UNIT 3 IN MODE 1-4 AND UNIT 4 NOT MANNED)

DATE:	SHIFT (DAY/NIGHT):
DATE.	SHIFT (DAT/MIGHT).

# EXAMPLE ONLY Names may be swapped as long as the positions are filled.

POSITION	NAME
SM	Mike
	Also assigned as Emergency Director if Unit 3 is the affected Unit and for common site Emergencies
ss	Eric
OATC	Bob
UO	Jarred
SOs (SOs required by Tech Specs)	1. Wayne
(30s required by Tech Specs)	2. James
	Not assigned to Fire Brigade
STA (STA-qualified SSS, SM, or SS)	Mike
(OTA-qualified ODO, OM, OF OD)	May fill other rolls except FB Leader, ENN, or ENS Communicator
ENN Communicator (Extra NPO or other qualified	Robert
individual)	Single person may fill ENN and ENS Communicator, but no other required shift positions
ENS Communicator (Extra NPO or other qualified individual)	Robert
	Single person may fill ENN and ENS Communicator, but no other required shift positions
Fire Brigade Leader	Jason
(000)	May not be STA, ENN, or ENS Communicator
FB Members (SOs required by UFSAR for Fire	1. Josh
Brigade)	2. Dustin
	3. Maurice
	4. Greg
	Not assigned as SO for Tech Specs
Security (Security Captain verifies staffing IAW Security Plan)	Shared Resource with Units 1&2

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#### **APPLICANT CUE SHEET**

#### (RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. Unit 4 is still under construction.
- 3. Units 1 & 2 are fully staffed.
- 4. The table below represents the Unit 3 Operations personnel who have arrived to receive turnover and their qualification status.

Unit 3 OPERATORS	LICENSE STATUS / QUALIFICATIONS
Mike	SRO SM, SS, STA
Eric	SRO SS, STA, SSS, Fire Brigade Leader
Robert Jason	SRO STA, SSS, Fire Brigade Leader, ENN Communicator, ENS Communicator
Bob Jarred	RO OATC, UO, ENN Communicator, ENS Communicator
Wayne James Josh Dustin Maurice Greg	NLO SO, Fire Brigade

#### **INITIATING CUES:**

- 1. Using the operations crew shown in the table provided, give a written response to the following questions:
  - Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).
  - b. Based on the crew shown in the table provided, can "Wayne" simultaneously fill the positions of Fire Brigade Member and Technical Specification System Operator?

ANSWE	R SHEET
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES / NO
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES / NO

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# A.1.b RO Conduct of Operations ADMIN G2.1.17

TITLE: Perform TRS 3.8.3.2 usi				
EVALUATION LOCATION: $\Box$	SIMULATOR	$\square$ CONTROL	ROOM	$\boxtimes$ CLASSROOM
PROJECTED TIME: 25 MIN	SIMULATO	R IC NUMBER:	N/A	
□ ALTERNATE PATH □	TIME CRITICAL	□ PRA		
<ul> <li>JPM DIRECTIONS: <ol> <li>Initiation of task may be in</li> <li>Requiring the examinee to the JPM.</li> </ol> </li> <li>TASK STANDARD: Upon succession</li> <li>Evaluate and determine tha</li> </ul>	acquire the require	ed references ma	y or may n	ot be included as part of
<ul> <li>Evaluate and determine that</li> <li>Explain why the surveilland</li> </ul>		e incorrect		
Examinee:				
Overall JPM Performance:	Satisfactory		Unsati	isfactory
<b>Evaluator Comments (attach a</b>	dditional sheets i	f necessary)		

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#### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

INITIA	AL CON	ITIDI	ONS:
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1. Unit 3 is in MODE 5.

INITIAT	a,	c
2.	Determine if any errors exist and document your results by circling any applicable errors on Attachment 1 and Attachment 2.	
3.	Explain any errors identified.	

# **EVALUATION CHECKLIST**

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<b>CRITICAL ELEMENTS:</b>	
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### **APPLICANT CUE SHEET**

#### (RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

1.	Unit 3 is in MODE 5.	
<u>INITI</u>	ATING CUES:	
		a, c
2.	Determine if any errors exist and document your results by circling any applicable errors on Attachment 1 and Attachment 2.	
3.	Explain any errors identified.	

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 20 of 154	
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the JPM.

A.2 RO

# **A.2 RO Equipment Control**

TITLE: Perform 3-Gen-OTS-17-004 (31 Day and 31 Effective Full Power Day Specification Surveillance)	s Technical
EVALUATION LOCATION: $\square$ SIMULATOR $\square$ CONTROL ROOM	$\boxtimes$ CLASSROOM
PROJECTED TIME: <b>50 MIN</b> SIMULATOR IC NUMBER: N/A	
$\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA	
JPM DIRECTIONS:  1. Initiation of task may be in group setting, evaluation performed individua  2. Requiring the examinee to acquire the required references may or may no	

TASK STANDARD: Upon successful completion of this JPM, the examinee will:

- Perform 3-Gen-OTS-17-004 (with the exception of the field portion)
- Determines that breakers for IRWST Injection line valves are NOT in the correct position
- Determines that valves PXS-V117A/B are NOT in the correct position
- Notifies the SM that 2 breakers and 2 valves are NOT in the correct position

Examinee:			
Overall JPM Performance:	Satisfactory		Unsatisfactory
<b>Evaluator Comments (attach a</b>	additional sheets i	f necessary)	

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## **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

INITIAL CONDITIONS:	
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	EVALUATION CHECKLIST		
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## **APPLICANT CUE SHEET**

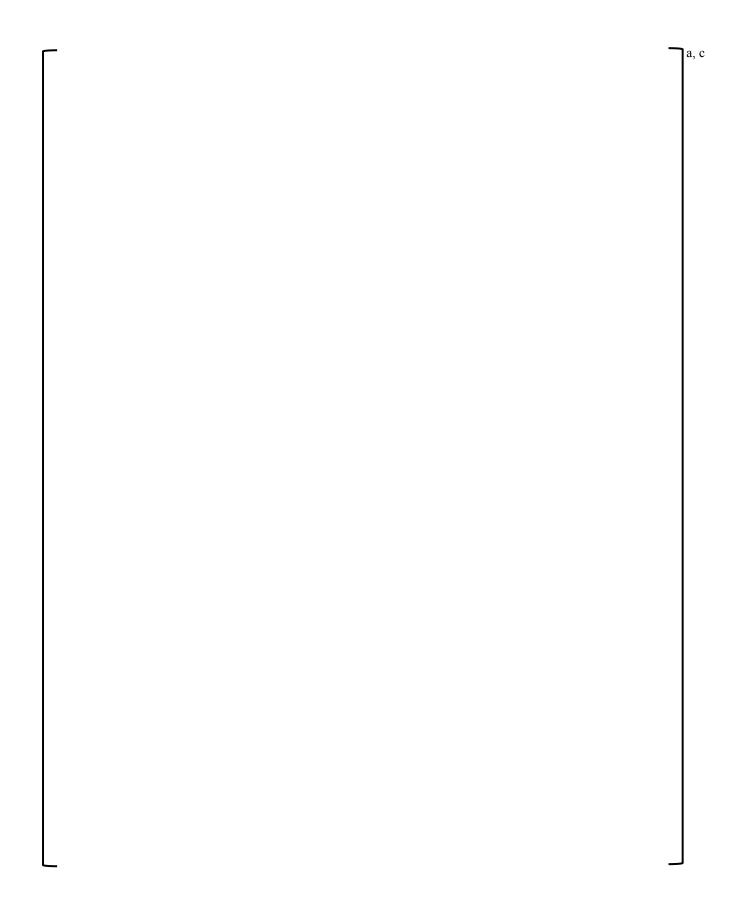
## (RETURN TO EXAMINER UPON COMPLETION OF TASK)

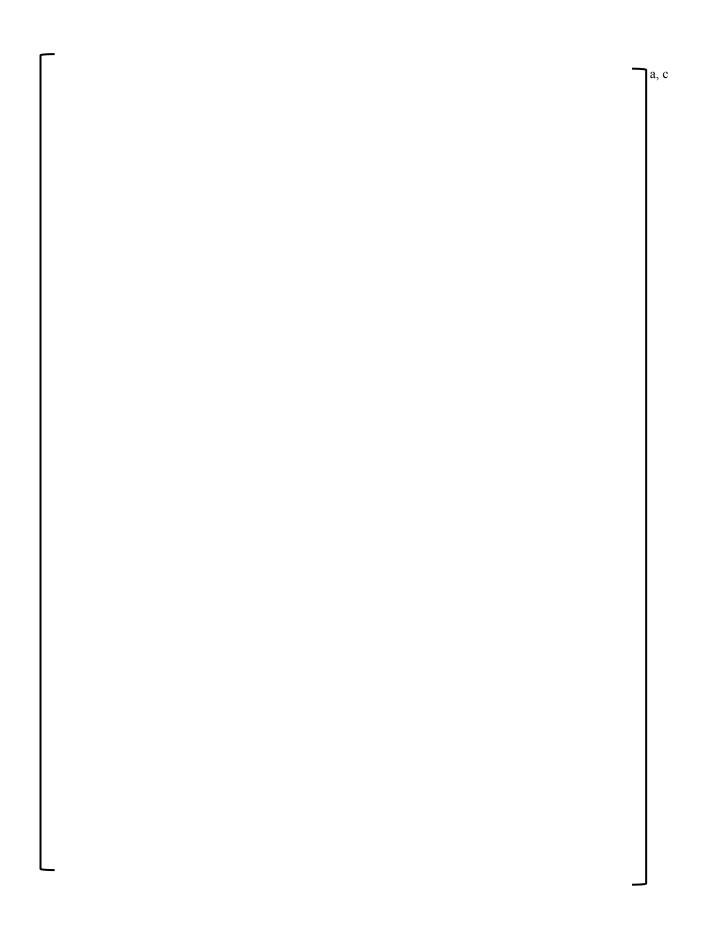
### **DIRECTION TO APPLICANT:**

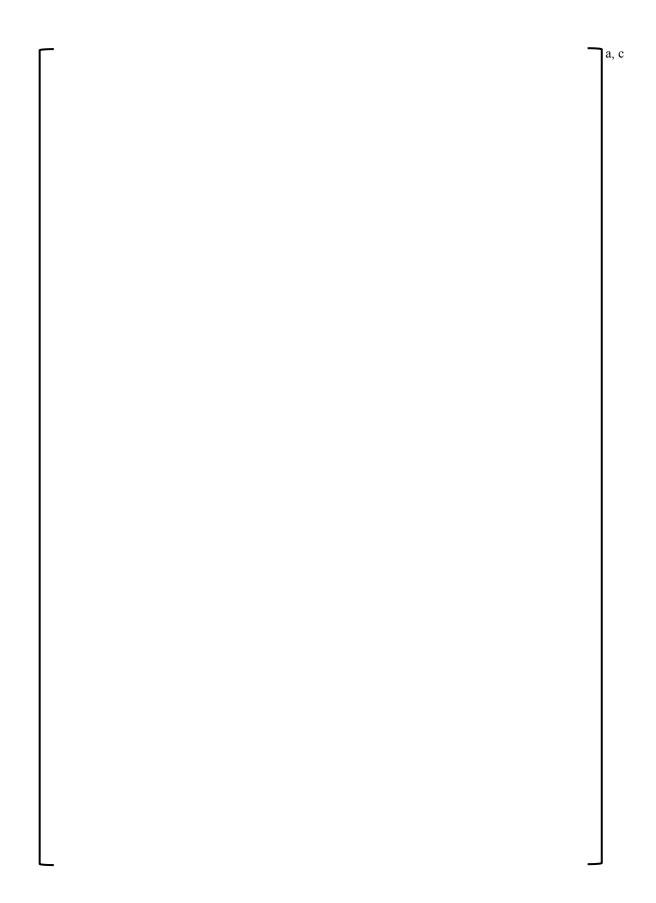
**INITIAL CONDITIONS:** 

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 50 of 154	
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	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 53 of 154	
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	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 54 of 154	
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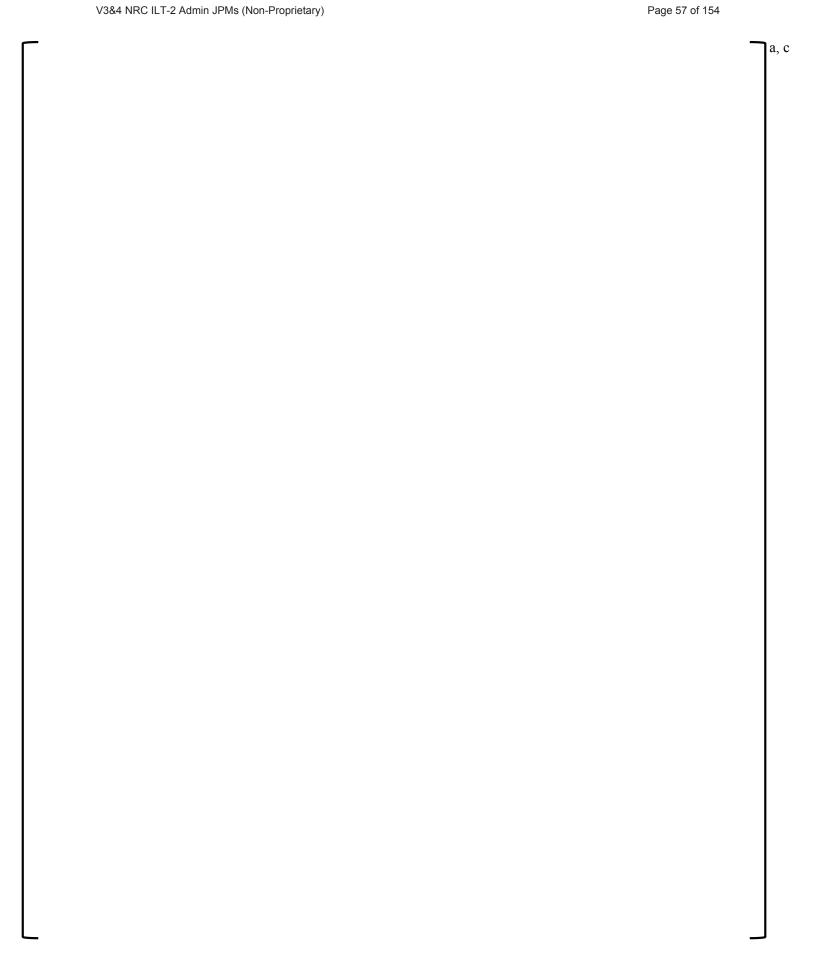
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_	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 55 of 154	
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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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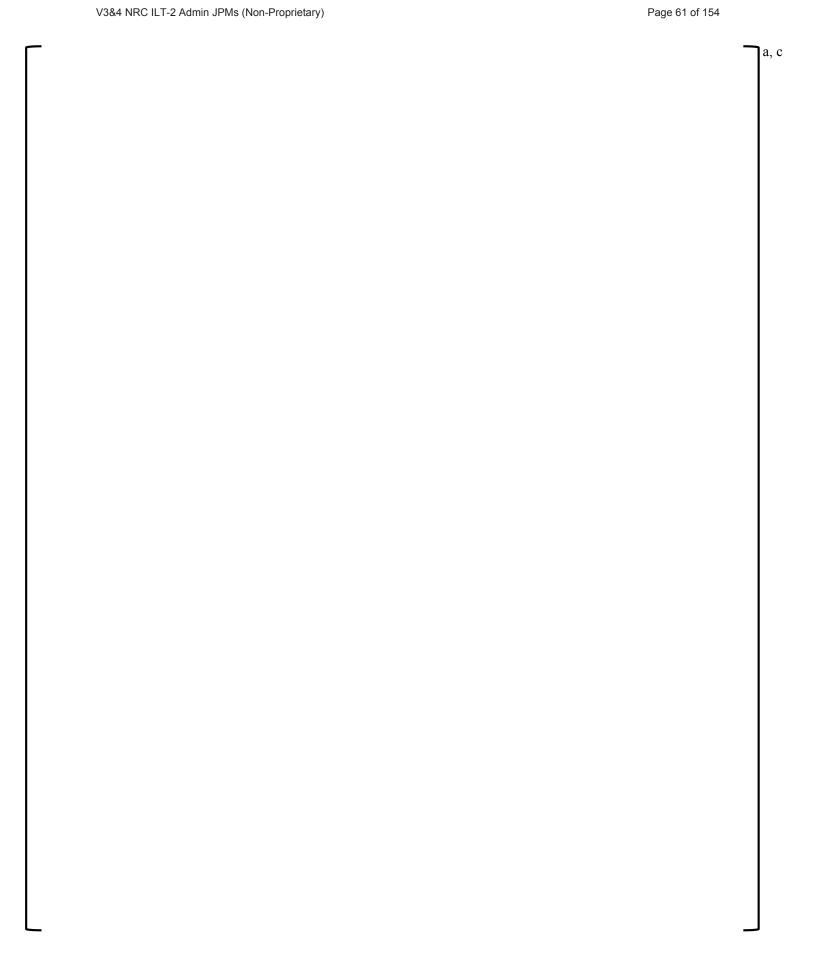
V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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Westinghouse Non-Proprietary Class 3

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## **A.3 RO Radiation Control**

A.5 KO Kadiation Control					
TITLE: Select Correct RWP, calculate projected dose, and determine if a task can be performed within limits of the RWP					
EVALUATION LOCATION: $\square$ SIMULATOR $\square$ CONTROL ROOM $\boxtimes$ CLASSROOM					
PROJECTED TIME: <u>15 MIN</u> SIMULATOR IC NUMBER: <u>N/A</u>					
$\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA					
<ol> <li>Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>Requiring the examinee to acquire the required references may or may not be included as part of the JPM.</li> <li>Identify RWP 17-0105 as the correct RWP for the task.</li> <li>Calculate the projected total gamma dose of 73 to 74 mrem.</li> <li>Determine the task can be completed without exceeding the RWP dose limit.</li> </ol>					
Examinee:					
Overall JPM Performance: Satisfactory  Unsatisfactory  Unsatisfactory					
Fyaluator Comments (attach additional sheets if necessary)					

Satisfactory		Unsatisfactory	
dditional sheets i	f necessary)		
		Satisfactory  dditional sheets if necessary)	Satisfactory — Clisatisfactory

### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**



- 3. Your accumulated dose for this year to date is 920 mrem.
- 4. Based on previous actions to stage the materials for the job, the TOTAL round-trip TRANSIT dose will be 2 mrem.
- 5. The TOTAL time at the job site will be 6 minutes.
- 6. The job will be completed by one individual on one entry.
- 7. ASSUME NEUTRON DOSE Exposure NEGLIGIBLE.

#### **INITIATING CUES:**

- 1. Using the survey map and the two RWPs provided, determine and document in the table provided:
  - a. The correct RWP to use for this task.
  - b. Your projected total gamma dose for the job **AND** transit.
  - c. State the reason you can or cannot perform the task without exceeding any limits.
- 2. A pre-job brief is **NOT** required.

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# **EVALUATION CHECKLIST**

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**<u>CRITICAL ELEMENTS</u>**: Critical Elements are denoted with an asterisk (\*) before the element number.

## **GENERAL REFERENCES:**

- 1. NMP-HP-001, "Radiation Protection Standard Practices"
- 2. G2.3.7 Knowledge of radiological safety procedures pertaining to licensed operator duties, such as response to radiation monitor alarms, containment entry requirements, fuel handling responsibilities, access to locked high-radiation areas, or aligning filters. IMPORTANCE RO 3.4

## **GENERAL TOOLS AND EQUIPMENT:**

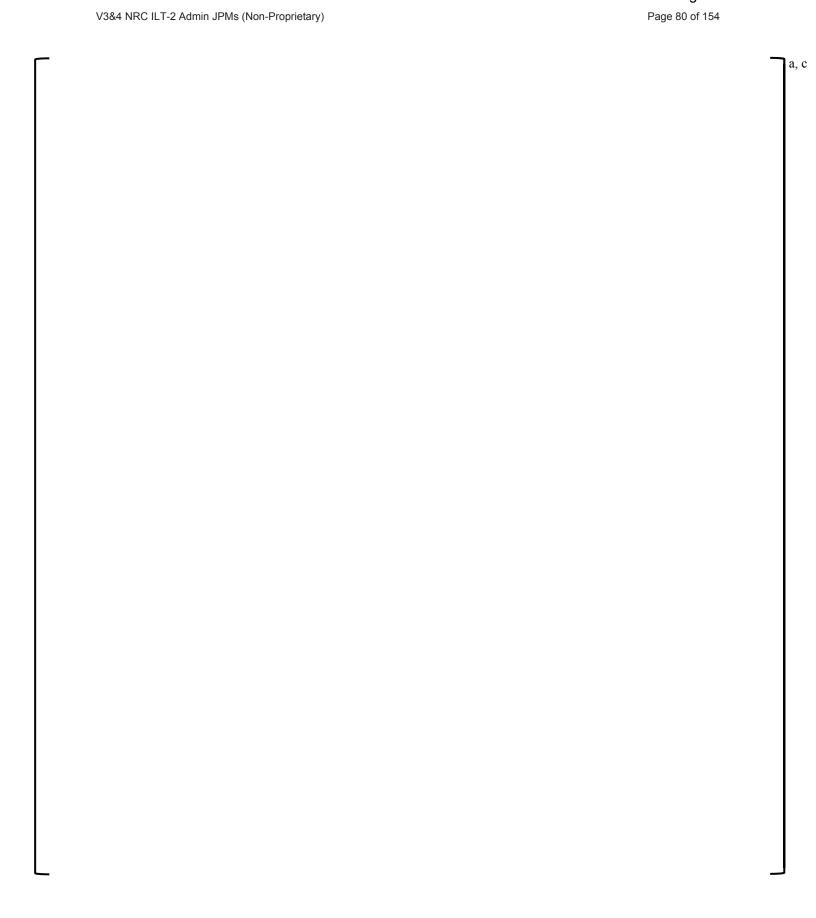
- 1. Calculator
- 2. Survey map
- 3. RWP 17-0105
- 4. RWP 17-0123
- 5. Computer with reference folder

## **Critical ELEMENT justification:**

<b>STEP</b>	<b>Evaluation</b>		
1.	Critical: Task completion: Candidate selects correct RWP based on exposure levels.		
2.	Critical: Task completion: Candidate determines exposure.		
3. Critical: Task completion: Candidate determines the task can be perform			
4.	Critical: Task completion: Candidate determines dose limit will <b>NOT</b> be exceeded.		

### **COMMENTS:**

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## **APPLICANT CUE SHEET**

#### (RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**



- 3. Your accumulated dose for this year to date is 920 mrem.
- 4. Based on previous actions to stage the materials for the job, the TOTAL round-trip TRANSIT dose will be 2 mrem.
- 5. The TOTAL time at the job site will be 6 minutes.
- 6. The job will be completed by one individual on one entry.
- 7. ASSUME NEUTRON DOSE Exposure NEGLIGIBLE.

### **INITIATING CUES:**

- 1. Using the survey map and the two RWPs provided, determine and document in the table provided:
  - a. The correct RWP to use for this task.
  - b. Your projected total gamma dose for the job AND transit.
  - c. State the reason you can or cannot perform the task without exceeding any limits.
- 2. A pre-job brief is **NOT** required.

ANSWER SHEET	
Correct RWP for task	
Total projected dose for the job and transit	
Can you complete this task without exceeding <b>ANY</b> limits?	YES / NO
REASON	

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Westinghouse Non-Proprietary Class 3

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

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# **A.1.a SRO Conduct of Operations**

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TITLE: Identify On-Shift Manning Requirements for Conditions Provided.  EVALUATION LOCATION: □ SIMULATOR □ CONTROL ROOM □ CLASSROOM  PROJECTED TIME: 20 MIN SIMULATOR IC NUMBER: N/A
$\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA
<ul> <li>JPM DIRECTIONS: <ol> <li>Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>Requiring the examinee to acquire the required references may or may not be included as part of the JPM.</li> </ol> </li> <li>TASK STANDARD: Upon successful completion of this JPM, the examinee will: <ol> <li>Determine the minimum shift manning requirements of B-ADM-PLMO-002, "Shift Manning Requirements," are met.</li> <li>Determine an operator can NOT simultaneously fill the Fire Brigade member and SO shift positions on Data Sheet 2 of B-ADM-PLMO-002, "Shift Manning Requirements."</li> <li>Determine Technical Specification actions necessary when minimum shift manning is not</li> </ol> </li></ul>
maintained.
Examinee:
Overall JPM Performance: Satisfactory Unsatisfactory Evaluator Comments (attach additional sheets if necessary)

EXAMINER:

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#### READ TO APPLICANT

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. Unit 4 is still under construction.
- 3. Units 1 & 2 are at fully staffed.
- 4. The table below represents the Unit 3 Operations personnel who have arrived to receive turnover and their qualification status.

Unit 3 OPERATORS	LICENSE STATUS / QUALIFICATIONS
Mike	SRO SM, SS, STA
Eric	SRO SS, STA, SSS, Fire Brigade Leader
Robert Jason	SRO STA, SSS, Fire Brigade Leader, ENN Communicator, ENS Communicator
Bob Jarred	RO OATC, UO, ENN Communicator, ENS Communicator
Wayne James Josh Dustin Maurice Greg	NLO SO, Fire Brigade

#### **INITIATING CUES:**

- 1. Using the operations crew shown in the table provided, give a written response to the following questions:
  - Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).
  - b. Based on the crew shown in the table provided, can "Wayne" simultaneously fill the positions of Fire Brigade Member and Technical Specification System Operator?
  - c. If, at any time, Mike has a medical emergency and needs to leave the site unexpectedly, what Technical Specification action, if any, are required to be taken?

ANSWER SHEET		
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES / NO	
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES / NO	
If, at any time, Mike has a medical emergency and needs to leave the site unexpectedly, what Technical Specification action, if any, are required to be taken?		

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# **EVALUATION CHECKLIST**

		<b>RESULTS:</b>
<b>ELEMENTS:</b>	STANDARDS:	(CIRCLE)

# START TIME

*	1.	Determine if the minimum shift manning requirements of B-ADM-PLMO-002, "Shift Manning Requirements," are met.	Data Sheet 2 of B-ADM-PLMO-002 and available operations personnel table are reviewed to determine if minimum shift manning requirements are met.	
			(NOTE TO EXAMINER: Completion of Data Sheet 2 is NOT required to meet the critical step. The following is an example provided to aid debrief discussions with the candidate, if required. Name/position combinations may vary.	S / U
*	2.	Determine if an operator can simultaneously fill two required shift positions on Data Sheet 2 of B-ADM-PLMO-002.	Candidate determines that the operator can NOT simultaneously fill the two required shift positions.	S / U
*	3.	State the Technical Specification action that must be taken if minimum shift manning requirements are not met.	Candidate states that immediate action is taken to ensure the minimum shift manning requirements are met within two hours.	S / U

STOP TIME

Terminate when all elements of the task have been completed.

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**CRITICAL ELEMENTS:** Critical Elements are denoted with an asterisk (\*) before the element number.

## **GENERAL REFERENCES:**

- 1. B-ADM-PLMO-002 (Shift Manning Requirements), Version 0.1
- 2. Tech Specs COL Appendix A thru Amendment 13
- 3. G2.1.5 Ability to use procedures related to shift staffing, such as minimum crew complement, or overtime limitations. IMPORTANCE SRO 3.9

### **GENERAL TOOLS AND EQUIPMENT:**

1. Computer with reference folder

## **Critical ELEMENT justification:**

<b>STEP</b>	<b>Evaluation</b>		
1.	Critical: Task completion: The candidate determines that sufficient personnel are available to relieve the shift.		
2.	Critical: Task completion: The candidate determines that Wayne CANNOT fill both roles simultaneously.		
3.	Critical: Task completion: Immediate actions are required to ensure minimum staffing in accordance with UFSAR, EP, and NRC requirements.		

### **COMMENTS:**

# Document your answers to the following questions:

ANSWER SHEET				
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES NO			
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES			
If, at any time, Mike has a medical emergency and needs to leave the site unexpectedly, what Technical Specification action, if any, are required to be taken?	The shift crew composition may be less than the minimum requirement of 10CFR50.54 (m)(2)(i) and Tech. Spec. 5.2.2.a and e. for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements.			

	Shift Manning Requirements			B-ADM-PLMO-002	
				VOGTLE	Version B=0.1
				Unit B	Page 9 of 10
	MINIMUM	M SHIFT MANNING (UNI	T 3 IN MODE	: 1-4 AND UNIT 4 NOT	DATA SHEET 2 Page 1 of 2 MANNED)
	DATE:		SHIFT (	DAY/NIGHT):	
		POSITION		NAME	1
EXAMPLE ONLY		SM		Mike	
	may be		Also assigned a	s Emergency Director if Unit 3 is the and for common site Emergencies	
	ed as long e positions	ss		Eric	1
	illed.	OATC		Bob	1
		UO		Jarred	1
		SOs	1.	Wayne	_
		(SOs required by Tech Specs)	2.	James	1
			Not	assigned to Fire Brigade	<b>1</b>
		STA		Mike	
		(STA-qualified SSS, SM, or SS)	May fill other ro	olls except FB Leader, ENN, or ENS Communicator	1
		ENN Communicator		Robert	1
		(Extra NPO or other qualified individual)	Single person m	nay fill ENN and ENS Communicator, other required shift positions	
		ENS Communicator (Extra NPO or other qualified individual) Sit		Robert	
			Single person m	nay fill ENN and ENS Communicator, other required shift positions	
		Fire Brigade Leader		Jason	]
			May not be S	STA, ENN, or ENS Communicator	4
	FB Members (SOs required by UFSAR for	FB Members (SOs required by UFSAR for Fire	1.	Josh	
		Brigade)	2.	Dustin	
			3.	Maurice	]
			4.	Greg	
			Not ass	igned as SO for Tech Specs	
		Security (Security Captain verifies staffing IAW Security Plan)	Shared	Resource with Units 1&2	
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Printed 08/21/2016 at 17:54:00

## **APPLICANT CUE SHEET**

### (RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. Unit 4 is still under construction.
- 3. Units 1 & 2 are at fully staffed.
- 4. The table below represents the Unit 3 Operations personnel who have arrived to receive turnover and their qualification status.

Unit 3 OPERATORS	LICENSE STATUS / QUALIFICATIONS	
Mike	SRO SM, SS, STA	
Eric	SRO SS, STA, SSS, Fire Brigade Leader	
Robert Jason	SRO STA, SSS, Fire Brigade Leader, ENN Communicator, ENS Communicator	
Bob Jarred	RO OATC, UO, ENN Communicator, ENS Communicator	
Wayne James Josh Dustin Maurice Greg	NLO SO, Fire Brigade	

#### **INITIATING CUES:**

- 1. Using the operations crew shown in the table provided, give a written response to the following questions:
  - Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).
  - b. Based on the crew shown in the table provided, can "Wayne" simultaneously fill the positions of Fire Brigade Member and Technical Specification System Operator?
  - c. If, at any time, Mike has a medical emergency and needs to leave the site unexpectedly, what Technical Specification action, if any, are required to be taken?

ANSWER SHEET			
Does the crew shown in the table provided satisfy the Minimum Shift Manning requirements? (NOTE: Only consider the operations crew members and not the RP or Chemistry Technicians).	YES / NO		
Based on the crew shown in the table provided can "Wayne" simultaneously fill the FB Member and a Technical Specification System Operator?	YES / NO		
If, at any time, Mike has a medical emergency and needs to leave the site unexpectedly, what Technical Specification action, if any, are required to be taken?			

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# A.1.b SRO Conduct of Operations

A.1.0 SKO Conduct of Operations
TITLE: Perform TRS 3.8.3.2 using 3-ECS-OTS-17-001  EVALUATION LOCATION: $\square$ SIMULATOR $\square$ CONTROL ROOM $\boxtimes$ CLASSROOM  PROJECTED TIME: <b>25 MIN</b> SIMULATOR IC NUMBER: $\underline{N/A}$ $\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA
<ol> <li>JPM DIRECTIONS:         <ol> <li>Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>Requiring the examinee to acquire the required references may or may not be included as part of the JPM.</li> </ol> </li> <li>TASK STANDARD: Upon successful completion of this JPM, the examinee will:</li> </ol>
<ul> <li>Evaluate and determine that 2 data entries are incorrect.</li> <li>Explain why the surveillance is not met.</li> <li>Enter appropriate TRM 3.8.3 Condition B (or state that Surveillance needs to be performed again before the end of the day)</li> </ul>
Examinee:
Overall JPM Performance: Satisfactory Unsatisfactory Evaluator Comments (attach additional sheets if necessary)

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# **READ TO APPLICANT**

# **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

INITIAL	CONDITIONS:
	a, c
L <sub>2</sub> .	Determine if any errors exist and document your results by circling <b>ALL</b> applicable errors on Attachment 1 and Attachment 2.
3.	Explain ALL errors identified.
4.	Identify <b>ALL</b> affected Technical Specifications / TRMs and conditions, if any, that are required to be entered.

\_ STOP TIME

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EVALUATION CHECKLIST ELEMENTS:	STANDARDS:		RESULTS: (CIRCLE)
START TIME			
		a, c	S / U
			S / U
	n		
			S / U

Terminate when all elements of the task have been completed.

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<b><u>CRITICAL ELEMENTS</u></b> : Critical Elements are denoted with an asterisk (*) before the element number	er.
GENERAL REFERENCES:	
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	Document your answers to the following questions:		
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VEGP Units 3 and 4 TRM 3.8.3 - 1 Revision 0

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# **APPLICANT CUE SHEET**

## (RETURN TO EXAMINER UPON COMPLETION OF TASK)

# **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

INITIAI	L CONDITIONS:	a, c
		, •
2.	Determine if any errors exist and document your results by circling <b>ALL</b> applicable errors on Attachment 1 and Attachment 2.	
3.	Explain <b>ALL</b> errors identified.	
4.	Identify <b>ALL</b> affected Technical Specifications / TRMs and conditions, if any, that are required to be entered.	

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VOGTLE Unit 3

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		SNC ND-17-0635 Enclosure: Page 279 of 1907		
	V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)	Page 106 of 154	a, c	
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a, c

V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

EXAMINER:

A.2 SRO

Page 118 of 154 **Rev**. 3

# **A.2 SRO Equipment Control**

TITLE: Initiate tracking paperwork for LCO tracking  EVALUATION LOCATION: □ SIMULATOR □ CONTROL ROOM  PROJECTED TIME: 30 MIN SIMULATOR IC NUMBER: N/A
$\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA
<ul> <li>JPM DIRECTIONS:</li> <li>1. Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>2. Requiring the examinee to acquire the required references may or may not be included as part the JPM.</li> </ul>
<ul> <li>TASK STANDARD: Upon successful completion of this JPM, the examinee will:</li> <li>Determine LCO 3.6.2 Condition A is NOT met</li> <li>Fill out tracking paperwork in accordance with B-ADM-OPS-003.</li> </ul>
Overall JPM Performance: Satisfactory Unsatisfactory Evaluator Comments (attach additional sheets if necessary)

Developer	James Dugas	Date: 12/26/16
NRC Approval		SEE NUREG 1021 FORM ES-301-3

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A.2 SRO

### **READ TO APPLICANT**

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. eSOMS is **NOT** available.
- 3. The Upper Personnel Air Lock outer door has failed its Local Leak Rate surveillance today on January 1<sup>st</sup>, 2020 at 1000:00 (this is the current date and time).
- 4. A CR has been generated: #10263167.
- 5. Repairs are estimated to take 2 days.
- 6. The overall Upper Personnel Air Lock leakage is within limits of LCO 3.6.1.

## **INITIATING CUES:**

1. Initiate tracking for the LCO in accordance with B-ADM-OPS-003 (Recording Limiting Conditions for Operation).

V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)
Vogtle Unit 3 ADMIN

A.2 SRO

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# **EVALUATION CHECKLIST**

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary) Vogtle Unit 3 ADMIN

A.2 SRO

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary) Vogtle Unit 3 ADMIN

A.2 SRO

**KEY** a, c

**KEY** 

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a, c

V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary) Vogtle Unit 3 ADMIN

A.2 SRO

**KEY** 

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary) Vogtle Unit 3 ADMIN

A.2 SRO

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**KEY** 

A.2 SRO

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HANDOUT
Page 1 of 1

# **APPLICANT CUE SHEET**

# (RETURN TO EXAMINER UPON COMPLETION OF TASK)

#### **READ TO APPLICANT**

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### **INITIAL CONDITIONS:**

- 1. Unit 3 is at 100% Reactor Power.
- 2. eSOMS is **NOT** available.
- 3. The Upper Personnel Air Lock outer door has failed its Local Leak Rate surveillance today on January 1<sup>st</sup>, 2020 at 1000:00 (this is the current date and time).
- 4. A CR has been generated: #10263167.
- 5. Repairs are estimated to take 2 days.
- 6. The overall Upper Personnel Air Lock leakage is within limits of LCO 3.6.1.

## **INITIATING CUES:**

1. Initiate tracking for the LCO in accordance with B-ADM-OPS-003 (Recording Limiting Conditions for Operation).

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JPMs (Non-Proprietary)				Page 126 of 154
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	LCO/TR ST	ATUS SHEET		r age i
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r·	SECTION	II: INITIATION		
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SNC ND-17-0635 Enclosure: Page 300 of 1907

nitial Extent of Condition Evalua	ation review completed:	CR Number:	
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hemistry/RP Person Notified			
Name	D	ate	Time
Remarks:			
SS:		SM:	

SNC ND-17-0635 Enclosure: Page 301 of 1907

		ON II: RESTORATION	l	
Date	CR, MWO, Procedure, Tagout Number	Work Being Performed	Completion Date	SS Init
Continue	e on if required.			
	nuation attached? ☐ YES [	□ NO Final Extent of	Condition review:	In
Operability D	etermined:			

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3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)		Page 129 of 154
hemistry/RP Person Notified (Rad Mo	nitors Only)	
Name	Date	Time
Pamarke:		
LCO/TR No Longer Active:	Date	Time
SS	SIVI	

LCO/TR Num	nber			
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Date	Procedure, Tagout Number	Work Being Performed	Completion Date	SS Init
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/3&4 NRC ILT-2 <i>A</i>	dmin JPMs (Non	-Proprietary)	Page 131 of 154
IT: <u>     3                               </u>	_	LCO/TR STATUS LOG	<u>FIGURE</u> Page 1 of
NO.	DATE	T.S./TRM CONDITION INITIATING LOG	TERMINATED DATE / SS
3-2020-001	01/01/20	LCO 3.3.17 Function 14 Condition A	01/01/20 <b>JD</b>
3-2020-002	01/01/20	LCO 3.7.1 Condition A	01/01/20 <b>JD</b>
3-2020-003	01/01/20	LCO 3.7.6 Condition C	
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# **A.3 SRO Radiation Control**

TITLE: Assess radiological conditions in an emergency and approve emergency exposure permits.
EVALUATION LOCATION: □ SIMULATOR □ CONTROL ROOM ☒ CLASSROOM
PROJECTED TIME: <u>15 MIN</u> SIMULATOR IC NUMBER: <u>N/A</u>
$\square$ ALTERNATE PATH $\square$ TIME CRITICAL $\square$ PRA
<ol> <li>JPM DIRECTIONS:         <ol> <li>Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>Requiring the examinee to acquire the required references may or may not be included as part of the JPM.</li> </ol> </li> <li>TASK STANDARD: Upon successful completion of this JPM, the examinee will:         <ol> <li>Calculate the projected total dose to each Operator.</li> <li>Determine that Operators A and B can perform the task within the emergency exposure limits.</li> <li>Determine that Operator C CANNOT perform the task within the emergency exposure limits.</li> </ol> </li> </ol>
Examinee:
Overall JPM Performance: Satisfactory   Unsatisfactory
Evaluator Comments (attach additional sheets if necessary)

EXAMINER:

#### **READ TO APPLICANT**

#### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

#### **INITIAL CONDITIONS:**

- 1. Unit 3 is in a General Emergency.
- 2. Three Licensed Operators have been dispatched to connect a temporary hose to the Spent Fuel Pool on the East spray header on an outside wall and a portable pump (already in place).
- 3. The TOTAL round-trip TRANSIT dose will be 500 mrem to each Operator.
- 4. You have authorized emergency exposure limits to protect valuable equipment.
- 5. Operator A will be removing flanges and will take 15 minutes to perform his actions.
- 6. Operator B will be connecting hoses between the pump and the flange and will take 10 minutes to perform his actions.
- 7. Operator C will be operating the pump and will take 25 minutes to perform his actions.

## **INITIATING CUES:**

- You are the Emergency Director. Based on the given conditions and using the survey map provided, perform the following:
  - a. Calculate the projected dose to each Operator.
  - b. Can the operator complete the assigned task within the emergency exposure limits that you have authorized?
- 2. Document your answers on the provided sheet.
- 3. A pre-job brief is **NOT** required.

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Γ	EVALUATION CHECKLIST	a, c
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<u>CRITICAL ELEMENTS</u>: Critical Elements are denoted with an asterisk (\*) before the element number.

# **GENERAL REFERENCES:**

- 1. B-GEN-PLMP-031 (Emergency Exposure Guidelines), Version 0.1
- 2. G2.3.1 Knowledge of radiation exposure limits under normal or emergency conditions. IMPORTANCE SRO 3.7

## **GENERAL TOOLS AND EQUIPMENT:**

1. Computer with reference folder

# **Critical ELEMENT justification:**

<b>STEP</b>	<b>Evaluation</b>
1.	Critical: Task completion: The candidate determines the exposure that will be received performing the task for Operator A.
2.	Critical: Task completion: The candidate determines the exposure that will be received performing the task for Operator B.
3.	Critical: Task completion: The candidate determines the exposure that will be received performing the task for Operator C.
4.	Critical: Task completion: The candidate determines Operator A can complete the assigned task within the exposure limits.
5.	Critical: Task completion: The candidate determines Operator B can complete the assigned task within the exposure limits.
6.	Critical: Task completion: The candidate determines Operator C cannot complete the assigned task within the exposure limits.

## **COMMENTS:**

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## **APPLICANT CUE SHEET**

## (RETURN TO EXAMINER UPON COMPLETION OF TASK)

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

## **INITIAL CONDITIONS:**

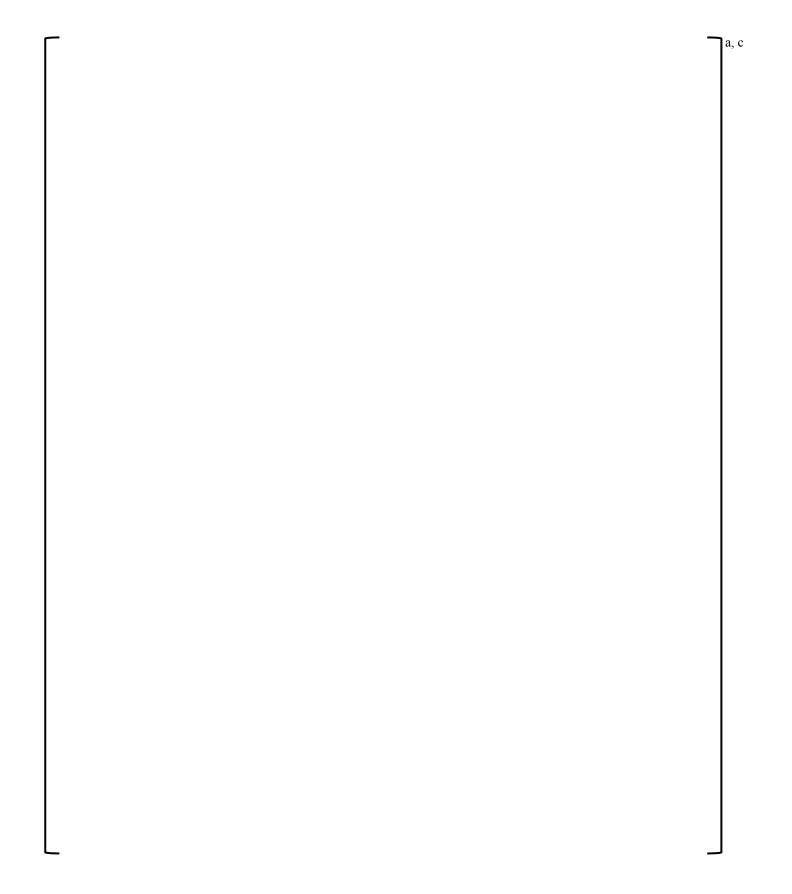
- 1. Unit 3 is in a General Emergency.
- 2. Three Licensed Operators have been dispatched to connect a temporary hose to the Spent Fuel Pool on the East spray header on an outside wall and a portable pump (already in place).
- 3. The TOTAL round-trip TRANSIT dose will be 500 mrem to each Operator.
- 4. You have authorized emergency exposure limits to protect valuable equipment.
- 5. Operator A will be removing flanges and will take 15 minutes to perform his actions.
- 6. Operator B will be connecting hoses between the pump and the flange and will take 10 minutes to perform his actions.
- 7. Operator C will be operating the pump and will take 25 minutes to perform his actions.

## **INITIATING CUES:**

- You are the Emergency Director. Based on the given conditions and using the survey map provided, perform the following:
  - a. Calculate the projected dose to each Operator.
  - b. Can the operator complete the assigned task within the emergency exposure limits that you have authorized?
- 2. Document your answers on the provided sheet.
- 3. A pre-job brief is **NOT** required.

ANSWE	ER SHEET
Total projected dose for the job and transit for Operator A	
Can operator A complete the assigned task within the emergency exposure limits that you have authorized	YES / NO
Justification:	
Total projected dose for the job and transit for Operator B	
Can operator B complete the assigned task within the emergency exposure limits that you have authorized	YES / NO
Justification:	
Total projected dose for the job and transit for Operator C	
Can operator C complete the assigned task within the emergency exposure limits that you have authorized	YES / NO
Justification:	

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EXAMINER:

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# A.4 SRO Emergency Procedures / Emergency Plan

TITLE: Classify An Emergency Event and Complete the SNC Emergency Notifications Form (ENF)
EVALUATION LOCATION: □ SIMULATOR □ CONTROL ROOM □ CLASSROOM
PROJECTED TIME: <u>30 MIN</u> SIMULATOR IC NUMBER: <u>N/A</u>
□ ALTERNATE PATH ⊠ TIME CRITICAL □ PRA
JPM DIRECTIONS:
<ol> <li>Initiation of task may be in group setting, evaluation performed individually upon completion.</li> <li>Requiring the examinee to acquire the required references may or may not be included as part of the JPM.</li> </ol>
<ul> <li>TASK STANDARD: Upon successful completion of this JPM, the examinee will:</li> <li>Classify an emergency event and fill out forms for emergency notification within the time allowed.</li> </ul>
Examinee:
Overall JPM Performance: Satisfactory  Unsatisfactory  Unsatisfactory
<b>Evaluator Comments (attach additional sheets if necessary)</b>

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## **READ TO APPLICANT**

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

# INITIAL CONDITIONS: a, c

## **INITIATING CUES:**

- 1. Complete **ALL** required lines and classify the event (HANDOUT 1), then raise your hand.
- 2. Complete **ALL** required lines and approve the SNC Emergency Notifications Form (ENF) (HANDOUT 2), then raise your hand.
- 3. A pre-job brief is **NOT** required.
- 4. This task has TIME CRITICAL elements.

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# **EVALUATION CHECKLIST**

ELEMENTS:	STANDARDS:	RESULTS: (CIRCLE)
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# **EVALUATION CHECKLIST**

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# **COMMENTS:**

Steps that are required to be filled in to satisfy the Critical Elements are indicated with an asteris	k *
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## **APPLICANT CUE SHEET**

## (RETURN TO EXAMINER UPON COMPLETION OF TASK)

## **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

## **INITIAL CONDITIONS:**

	•	a, c

## **INITIATING CUES:**

- 1. Complete **ALL** required lines and classify the event (HANDOUT 1), then raise your hand.
- 2. Complete **ALL** required lines and approve the SNC Emergency Notifications Form (ENF) (HANDOUT 2), then raise your hand.
- 3. A pre-job brief is **NOT** required.
- 4. This task has TIME CRITICAL elements.

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Emergency Classification Determination and Initial Action B-GEN-PLMP-020 **VOGTLE** Version C=0.2 Page 14 of 22 Unit B ATTACHMENT 1 Page 1 of 1 Checklist 1 - Classification Determination NOTE Key Parameters should be allowed to stabilize to accurately represent plant conditions prior to classifying an event Completed by **Initial Actions** 1. **Determine** the appropriate Initiating Condition Matrix for classification of the event based on the current operating mode: HOT IC/EAL Matrix Evaluation Chart (Go To Step 2) to evaluate the Barriers) COLD IC/EAL Matrix Evaluation Chart (Go To Step 3) Both HOT & COLD IC/EAL Matrix Evaluation Chart apply (Go To Step 2) 2. Evaluate the status of the fission product barrier using Figure 1, Fission Product Barrier Evaluation. a. Select the condition of each fission product barrier: INTACT LOSS POTENTIAL LOSS Fuel Cladding Integrity Reactor Coolant System П П Containment Integrity b. **Determine** the highest applicable fission product barrier Initiating Condition (IC): □ FG1 ☐ FS1 □ FA1 ☐ FU1 □ None (select one) 3. Evaluate AND determine the highest applicable IC/EAL using the Matrix Evaluation Chart(s) identified in step 1 THEN Go To step 4. Hot IC# \_\_\_\_\_ Unit\_\_ and/or Cold IC# \_\_\_\_\_ Unit\_\_ or □ None 4. Check the highest emergency classification level identified from either step 2b or 3: Classification Based on IC# Classification Based on IC# ☐ General □ Alert □ NOUE ☐ Site-Area N/A □ None Remarks (Identify the specific EAL, as needed):\_ 5. **Declare** the event by approving the Emergency Classification. Date: \_\_\_\_\_/ / Time: **Emergency Director** 6. Obtain Meteorological Data (not required prior to event declaration): Wind Direction Wind Speed Stability Class Precipitation (from)\_\_\_ 7. Initiate Attachment 2, Checklist 2 - Emergency Plan Initiation.

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HANDOUT 2 - RETURN TO EXAMINER UPON COMPLETION

NRC ILT-2 Admin JPMs (Non-Proprietary) SNC Emergency Notifications Form (ENF) B-GEN-PLMP-038-F06 **VOGTLE** Version B=0.1 Unit B Page 1 of 2 1. DRILL **B** ACTUAL EVENT MESSAGE # <u>001</u> NOTIFICATION: Time: <u>earlier</u> Date <u>Today</u> / \_\_\_\_\_/ 2. INITIAL B FOLLOW-UP Vogtle Unit 3 Confirmation Phone #\_(706)867-5309 3. SITE: 4. EMERGENCY A UNUSUAL EVENT B ALERT C SITE AREA EMERGENCY D GENERAL EMERGENCY **CLASSIFICATION:** BASED ON EAL# EAL DESCRIPTION: 5. PROTECTIVE ACTION RECOMMENDATIONS: Α None В Evacuate С Shelter D Advise Remainder of EPZ to Monitor Local Radio/TV Stations/Tone Alert Radios for Additional Information and Consider the use of KI (potassium iodide) in accordance with State plans and policy. Other 6. EMERGENCY RELEASE: A None B Is Occurring C Has Occurred 7. RELEASE SIGNIFICANCE: A Not B Within normal operating C Above normal D Under applicable limits operating limits evaluation A Improving B Stable C Degrading 8. EVENT PROGNOSIS: Wind Direction from degrees\* 9. METEOROLOGICAL DATA: Wind Speed mph\* (\*May not be available for Initial Stability Class\* A B C D E F G Precipitation Notifications)\* 10. A DECLARATION **B** TERMINATION Time \_\_\_\_\_\_ Date \_\_\_\_/\_\_\_\_ 2 3 4 All 11. AFFECTED UNIT(S): 12. UNIT STATUS: Shutdown at Time \_\_\_\_\_ Date \_\_\_/\_\_\_\_ A U1 % Power (Unaffected Unit(s) Status Not B U2 \_ % Power Shutdown at Time \_\_\_\_\_ Date \_\_\_/\_\_\_ Required for Initial Notifications) C U3 % Power Shutdown at Time \_\_\_\_\_\_ Date \_\_\_/\_\_\_\_ D U4 % Power Shutdown at Time Date / 13. REMARKS:

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V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

V3&4 NRC ILT-2 Admin JPMs (Non-Proprietary)

CHARACTERIZAT	FION:	_	Ground UN Particulates:		_
FORM: A Airborne	Start TimeStart Time				
15. PROJECTION PARAMETERS:	Projection period:	Hours	Estimated Rele	ase Duration	Hours
Projection performed:	Time Date	e//_	Accident T	ype:	
16. PROJECTED DOSE:	DISTANCE Site boundary 2 Miles 5 Miles		ΓEDE (mrem)	Adult Thyr	oid CDE (mren
	10 Miles				
	litle:	D		neDate_	
17. APPROVED BY:	RECEIVE		Tin	neDate_	
		(To b	e completed by recei		