

KEWAUNEE

May 2001

NRC COMMENTS ON OPERATING TEST

NRC Comments on Facility Category A and B JPMs
KEWAUNEE/May 2001

JPM Task	Notes
A.1.a S	<p><u>NRC Review:</u> Asked why initial conditions state that Door 5 is not a flood barrier - how would candidate get this information now? Licensee stated that the shift supervisor requests this information from the engineering department; therefore, it would be appropriate to give this information to the candidate.</p> <p><u>Validation Week:</u> No changes</p>
A.1.b S	<p><u>NRC Review:</u> No comments</p> <p><u>Validation Week:</u> Errors in Card 7 and 8 were noted. (Location descriptions)</p> <p><u>Summary of Changes:</u> Added the correct location information to the cards.</p>
A.2	<p><u>NRC Review:</u> Requested a cue after candidate identifies that changing the rpm criteria is a procedure intent change and a note that candidate may highlight or discuss including steps 6.6, 6.7, 6.19 and 6.20.</p> <p><u>Validation Week:</u> No additional comments.</p> <p><u>Summary of Changes:</u> Added a note which instructs candidate to continue with JPM after identifying one of the problems.</p>
A.3	<p><u>NRC Review/Validation Week:</u> No comments</p>
A.4 S	<p><u>NRC Review:</u> Critical steps need to be redefined to safety significant ones - As the NRC we need information to determine our response mode - these should be the critical steps - to justify failure. These are - location (2), event date and time (7,8), type of event (11), description of event (12), and how equipment functioned (14, 15).</p> <p><u>Validation Week:</u> No additional changes</p> <p><u>Summary of Changes:</u> Redefined critical steps</p>

NRC Comments on Facility Category A and B JPMs
KEWAUNEE/May 2001

JPM Task	Notes
B1a	<p><u>NRC Review:</u> Alternate path JPM. JPM step 8 (E-O-07 step 16h) requires the candidate to operate SI-15A as necessary to maintain PZR level. The candidate will be unable to and is required to go to the RNO column. The RNO is to operate SI-9B. "If SI-9B is NOT available, use SI pump B". However, the JPM step states that the candidate is expected to shutdown SI pump B. This conflicts with the procedure?</p> <p><u>Licensee's response</u> - No. Initial conditions is that level is at 50%. The valve needed to be shut to prevent injection; therefore, the RNO would be to shut off the pump.</p> <p><u>Validation Week:</u> No comments</p> <p><u>Summary of Changes:</u> None</p>
B1b	<p><u>NRC Review/Validation Week:</u> No comments - straight forward.</p>
B1c	<p><u>NRC Review/Validation Week/Summary of Changes:</u> Added note to give Evaluator the R-11 key.</p>
B2a	<p><u>NRC Review/Validation Week:</u> No comments - straight forward.</p>
B2b	<p><u>NRC Review:</u></p> <ol style="list-style-type: none"> 1. Asked licensee whether JPM steps 3&4 (procedure steps 14 b(1) and b(2)) should be critical. Licensee responded that fuses do not need to be replaced but are replaced as a precautionary/anticipatory action. If candidate does not replace the fuses, the diesel may still start. Agreed - not a critical step. 2. May want to change the alternate path from light bulb change/reset to no cooling water. Will decide at validation. <p><u>Validation Week:</u> During validation week, it was decided switch to a different alternate path which was more discriminatory. The new JPM was retained.</p>

NRC Comments on Facility Category C Scenarios
KEWAUNEE/May 2001

Scenario #	U/S/E	Notes
1	S	<u>NRC Review</u> : No comments <u>Validation Week</u> : Changed initial condition from "End of Cycle" to "Beginning of Cycle" to match the actual simulator setting.
2	S	<u>NRC Review</u> : No comments <u>Validation Week</u> : None

60 work version

<p>WISCONSIN PUBLIC SERVICE CORPORATION</p> <p>KEWAUNEE NUCLEAR POWER PLANT</p> <p>JOB PERFORMANCE MEASURE</p>	<p>NO. O-LRQ-JPM-078A-2 REV. F <i>two</i></p> <hr/> <p>TITLE: OPERATE THE DIESEL GENERATOR (LOCALLY)</p> <hr/> <p>DATE: PAGE: 1</p>
--	---

APPROVED BY:

Nuclear Training Supervisor - Operations

Assistant Manager - Plant Operations

PERFORMED BY:

Trainee

Evaluator

EVALUATION LOCATION:	PLANT/SIMULATOR/CONTROL ROOM	PLANT
EVALUATION METHOD:	PERFORM/SIMULATE	SIMULATE
AVE. COMPLETION TIME:	AVE. TIME FOR THIS JPM	19 MINUTES
TIME CRITICAL TASK:	YES/NO	YES
MAX. COMPLETION TIME:	N/A FOR NON-TIME CRITICAL TASKS	3 min. for steps 7-12
PERFORMANCE LEVEL:	SRO/RO/NAO	SRO/RO
TASK NUMBER:	FROM OPS TRNG DATABASE	E060010501
TASK TYPE:	INITIAL/CONTINUING (FROM OPSTRNG DATABASE)	CONTINUING
PLANT SYSTEM:	NUMBER AND NAME	10, DGM
CRITICAL STEPS:	(C) = CRITICAL	2, 7, 10 and 12
	(S) = SEQUENCE CRITICAL	NONE
	(T) = TIME CRITICAL	7-12 (3 Minutes)
SPECIAL TOOLS AND EQUIPMENT:	SPECIAL ITEMS REQUIRED TO COMPLETE JPM	NONE
REFERENCES:	REFERENCES USED FOR PERFORMANCE OF JPM	E-0-06, step 14 Rev. N

READ THE FOLLOWING TO THE OPERATOR:

THIS TASK IS TIME CRITICAL

THE TASK CONDITIONS ARE:

THE PLANT IS AT hot shutdown during the performance of procedure E-0-06, Fire in Alternate Fire Zone.

E-0-06 has been completed through Step 13.

THE STEPS IN THIS JPM SHOULD BE: SIMULATED

INITIATING CUE:

You are directed by E-0-06 to start Diesel Generator A and energize the 4160 Volt and 480 Volt Dedicated Shutdown Electrical System per step 14.

DO YOU HAVE ANY QUESTIONS BEFORE WE BEGIN?

Answer any questions the Operator may have, THEN read the following to the Operator to initiate the JPM performance:

LET'S BEGIN

THIS TASK IS TIME CRITICAL

THE TASK CONDITIONS ARE:

THE PLANT IS AT hot shutdown during the performance of procedure E-0-06, Fire in Alternate Fire Zone.

E-0-06 has been completed through Step 13.

THE STEPS IN THIS JPM SHOULD BE: SIMULATED

INITIATING CUE:

You are directed by E-0-06 to start Diesel Generator A and energize the 4160 Volt and 480 Volt Dedicated Shutdown Electrical System per step 14.

LOG START TIME:

STEP	PERFORMANCE ITEM	* STANDARD	SAT/ UNSAT S U
1.	REFER to E-0-06, Fire in Alternate Fire Zone, Step 14.	* REFER to E-0-06, Step 14.	
(c) 2.	POSITION 1A Diesel Generator Voltage Control Local/Remote switch to LOCAL (Cue: Switch in local position)	* POSITION Diesel Generator Voltage Control Local/Remote SW to LOCAL at Diesel Generator Control & Excitation Cabinet DR-101.	
3.	REPLACE the following fuses at Diesel Generator Control and Excitation Cabinet: Fuse F4 & Fuse F5 (Cue: Fuses Replaced)	* OBTAIN fuses and fuse puller from Appendix "R" Spare Fuse Box #2 near Gai-tronics * In Diesel Generator Control and Excitation Cabinet DR-101, REPLACE Fuses F4 and F5 (located on right side of cabinet)	
4.	REPLACE the following fuses at 1A Diesel Engine Control Panel: Fuse F4 and Fuse F5 (Cue: Fuses Replaced)	* OBTAIN fuses and fuse puller from Appendix "R" Spare Fuse Box #2 near Gai-tronics * In Diesel Engine Control Panel D1A, REPLACE fuses F4 & F5 (located at upper right)	
5.	VERIFY Engine Control Panel Green Power ON, light is ON (Cue: Green Power Light ON)	* At Diesel Engine Control Panel D1A, VERIFY green power light ON	
6.	DEPRESS Engine Control Panel Failure Reset Push button to CLEAR any local alarms (Cue: Red Alarm lights OFF)	* At Diesel Engine Control Panel D1A, DEPRESS Failure Reset push button	

SAT/
UNSAT
S U

STEP	PERFORMANCE ITEM	* STANDARD		
(c) 7. (T1)= —	START Diesel Generator 1A by POSITIONING Engine Control Switch to Start (Cue: Diesel Generator A Running)	* At Diesel Engine Control Panel D1A, POSITION 1A Diesel Engine Control Switch to the START NOTE: Step 13 shall be completed within 3 minutes of the completion of step 10.		
8.	At Diesel Generator Control and Excitation Cabinet: VERIFY output frequency at 60 Hz (Cue: Diesel Generator A frequency is at 60 hertz.)	* VERIFY frequency at 60 hertz. Use the Governor Lower/Raise Switch to adjust frequency to 60 hertz at Diesel Generator Control and Excitation Cabinet DR-101.		
9.	At Diesel Generator Control and Excitation Cabinet: VERIFY output voltage at 4160V (Cue: Diesel Generator A voltage is at 4160 volts.)	* VERIFY voltage at 4160 AC Volts. Use Voltage RAISE/LOWER SWITCH to adjust voltage to 4160 volts at Diesel Generator Control and Excitation Cabinet DR-101.		
(c) 10.	CLOSE Diesel Gen. 1-A Bkr 1-509 using control switch on breaker cubicle NOTE: IF Local/Remote switch position is questioned, provide: (Cue: Local/Remote switch positioned to LOCAL in step 13 of E-0-06.) (Cue: Bkr closed, red light on, green light off.)	* At Bkr 1-509 Cubicle PLACE Breaker Control Switch to CLOSE * Red light ON, Green light OFF.		

SAT/
UNSAT
S U

STEP	PERFORMANCE ITEM	* STANDARD	S	U
11.	<p>VERIFY that Service Water Cooling is Established to Diesel Generator 1A</p> <p>(Cue: SW-301A valve position indication indicates CLOSED.</p> <p style="text-align: center;"><u>OR</u></p> <p>Piping at room temperature when the touch.)</p>	<p>* VERIFY that SW301A is Valve position indicator indicates CLOSED.</p> <p style="text-align: center;"><u>OR</u></p> <p>VERIFY service water piping downstream of SW301A is at room temperature to the touch</p>		
(C) 12. (T2)= — T2-T1 = ≤3 min	<p>Manually OPEN SW-301A</p> <p>(Cue: Valve is rotated in the counterclockwise direction and is in the in-line position.)</p>	<p>* Manually OPEN SW-301A using the attached wrench and rotating in the counterclockwise direction.</p> <p>Valve position indication indicates open.</p>		
13.	<p>REQUEST Control Operator A load equipment as necessary.</p> <p>(Cue: Control Operator A will Load equipment.)</p>	<p>* REQUEST Control Operator A load equipment.</p>		

* Indicates required items for satisfactory completion of performance items.

LOG STOP TIME:

When the operator completes the performance portion of the JPM, then read the following:

THAT COMPLETES THIS PORTION OF THE JPM.

Ask any required follow-up questions and note the questions and answers in the JPM evaluation comments section.

When done with any required follow-up questions, then ask the JPM QUESTIONS.

READ THE JPM QUESTIONS VERBATIM. If the operator requests clarification, then note rephrasing.

When done with the JPM QUESTIONS, then read the following:

THAT COMPLETES THIS JPM.

Make sure your documentation on the next page is complete.

	YES	NO	N/A
Were all of the critical steps performed correctly?			
IF the JPM was time critical, THEN was the JPM completed in the designated time?			
IF the JPM was NOT time critical, THEN was acceptable progress made in performing the task?			
Was the task standard met?			

IF any of the above questions was answered with a NO response, THEN this JPM must be evaluated as UNSATISFACTORY.

THE TASK STANDARD FOR THIS JPM IS:

Satisfactorily operating 1A D/G locally.

Job Performance Measure was:

SATISFACTORY _____ UNSATISFACTORY _____

EVALUATOR SIGNATURE: _____ DATE: _____

COMMENTS: