

<p style="text-align: center;">WISCONSIN PUBLIC SERVICE CORPORATION</p> <p style="text-align: center;">KEWAUNEE NUCLEAR POWER PLANT JOB PERFORMANCE MEASURE</p>	NO. O-LRQ-JPM-137 REV. D	
	TITLE: OPERATE THE PROCESS RADIATION MONITORS (R-11 STARTUP)	
	DATE:	PAGE: 1

APPROVED BY

Nuclear Training Supervisor-Operations

Assistant Manager - Plant Operations

PERFORMED BY

Trainee

Evaluator

EVALUATION LOCATION:	PLANT/SIMULATOR/CONTROL ROOM	SIMULATOR
EVALUATION METHOD:	PERFORM/SIMULATE	PERFORM
AVE. COMPLETION TIME:	AVE. TIME FOR THIS JPM	5 MINUTES
TIME CRITICAL TASK:	YES/NO	NO
MAX. COMPLETION TIME:	N/A FOR NON-TIME CRITICAL TASKS	N/A
PERFORMANCE LEVEL:	SRO/RO/NAO	SRO/RO
TASK NUMBER:	FROM OPS TRNG DATABASE	0450010101
TASK TYPE:	INITIAL/CONTINUING (FROM OPSTRNG DATABASE)	INITIAL
PLANT SYSTEM:	NUMBER AND NAME	045, RM
CRITICAL STEPS:	(C) = CRITICAL	2, 3, 4, 5, 8, 10, and 11
	(S) = SEQUENCE CRITICAL	NONE
	(T) = TIME CRITICAL	NONE
SPECIAL TOOLS AND EQUIPMENT:	SPECIAL ITEMS REQUIRED TO COMPLETE JPM	NONE
REFERENCES:	REFERENCES USED FOR PERFORMANCE OF JPM	N-RM-45-CL, Rev. W

FOR SIMULATOR USE ONLY

IF the operator is present when setting up for the JPM, THEN read the following:

PLEASE STANDBY WHILE WE ESTABLISH CONDITIONS FOR THE NEXT JPM.

SET UP:

1. INITIALIZE to IC-12, MOL, 100% or desired IC.
2. UNFREEZE.
3. SHUT OFF R-11 by:
 - a. Closing AS-1, AS-32, and AS-2.
 - b. Position Tape Drive control switch to OFF.
 - c. Position R-11 keyswitch to OFF.
 - d. Position R-11/R-12 Pump control switch to OFF/RESET.
 - e. Position R-11/R-12 Sample control to VENT.
4. Acknowledge and reset all Annunciators.
5. FREEZE.
6. SNAP a temporary IC if desired.

ENSURE SIMULATOR IS CLEAR OF ALL UNAUTHORIZED INDIVIDUALS AND CONDUCTIVE TO CONDUCTING THE EXAMINATION.

ENSURE THAT ALL PROCEDURES AND OTHER MATERIALS NECESSARY TO CONDUCT THE JPM EXAMINATION ARE IN THE PROPER LOCATIONS.

GO TO THE NEXT PAGE.

READ THE FOLLOWING TO THE OPERATOR:

THIS TASK IS NOT TIME CRITICAL

THE TASK CONDITIONS ARE:

You are the Nuclear Control Operator.

The plant is in Cold Shutdown.

R-11, Cntmt Air Particulate Monitor, has been shutdown for repairs and is now ready to be restarted.

THE STEPS IN THIS JPM SHOULD BE: PERFORMED

INITIATING CUE:

The Control Room Supervisor directs you to start R-11, Cntmt Air Particulate Monitor, per N-RM-45-CL, Radiation Monitoring System Prestartup Checklist, step 2.3.1.

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 NOT TIME CRITICAL

THE TASK CONDITIONS ARE:

You are the Nuclear Control Operator.

The plant is in Cold Shutdown.

R-11, Cntmt Air Particulate Monitor, has been shutdown for repairs and is now ready to be restarted.

INITIATING CUE:

The Control Room Supervisor directs you to start R-11, Cntmt Air Particulate Monitor, per N-RM-45-CL, Radiation Monitoring System Prestartup Checklist, step 2.3.1.

Take the simulator out of freeze.

Use the JPM evaluation form to mark the operator's performance as the task is being done.

Provide any necessary cues that the JPM calls for which are NOT provided by the Simulator feedback.

Take notes to support the resulting pass/fail grade.

For unsatisfactory grades, documentation must be noted in the comment section of the JPM evaluation form.

LOG START TIME:

STEP	PERFORMANCE ITEM	* STANDARD	SAT/ UNSAT	S U
1.	REFER to N-RM-45-CL, Radiation Monitoring System Prestartup Checklist, step 2.3.1.	* N-RM-45-CL, step 2.3.1.		
(c) 2.	OPEN AS-1/CV-31383, Containment Air Sample Isolation A.	* POSITION control switch for AS-1 to OPEN. AS-1 red light ON, green light OFF. Status light 44911-1105, R-11/R-12 Sample Isol AS-1, DIM.		
(c) 3.	OPEN AS-32/CV-31385, Containment Air Sample Isolation C.	* POSITION control switch for AS-32 to OPEN. AS-32 red light ON, green light OFF. Status light 44911-0805, R-11/R-12 Sample Isol AS-32, DIM.		
(c) 4.	OPEN AS-2/CV-31384, Containment Air Sample Isolation B.	* POSITION control switch for AS-2 to OPEN. AS-2 red light ON, green light OFF. Status light 44911-1205, R-11/R-12 Sample Isol AS-2, DIM.		
(c) 5.	R-11 Tape Drive Control Switch to OPERATE.	* Position R-11 Tape Drive Control Switch to OPERATE. Red Operate light ON, Red fast and green off lights OFF.		
6.	Verify Local Control light OFF.	* Verify Local Control (amber) light off.		

STEP	PERFORMANCE ITEM	* STANDARD	SAT/ UNSAT	S U
7.	Verify Torn Paper Light OFF.	* Verify Torn Paper (amber) Light OFF.		
(c) 8.	Position R-11/R-12 Sample Control Switch to CNTMT.	* Position R-11/R-12 Sample Control Switch to CNTMT. Red CNTMT light ON, amber VENT and PURGE lights OFF		
9.	Verify Sample Press High Light OFF.	* Verify Sample Press High (amber) Light OFF.		
(c) 10.	Position R-11/R-12 Pump Control Switch to ON.	* Position R-11/R-12 Pump Control Switch to ON. R-11/R-12 Pump indicating lights, red light ON, green Light OFF. Verify Annunciator 47013-A clears.		
(c) 11.	Position R-11 keyswitch to ON.	* Position R-11 keyswitch to ON. Verify display is LIT.		
12.	Verify R-12 keyswitch to ON.	* Verify R-12 keyswitch is ON. Verify display is LIT.		
13.	Verify Flow High/Low Light OFF.	* Verify Flow High/Low Light OFF.		
14.	Verify the following on R-11: - R-11 High Alarm Light OFF - R-11 Alert Light OFF - R-11 Normal Light ON - R-11 Fail Light OFF - R-11 Error Messages Display NONE.	* Verify the following on R-11: - R-11 High Alarm (red) Light OFF - R-11 Alert (amber) Light OFF - R-11 Normal(green) Light ON - R-11 Fail (amber) Light OFF - R-11 Error Messages Display NONE.		

STEP	PERFORMANCE ITEM	* STANDARD	SAT/ UNSAT	S U
15.	Verify the following on R-12: - R-12 High Alarm Light OFF - R-12 Alert Light OFF - R-12 Normal Light ON - R-12 Fail Light OFF - R-12 Error Messages Display NONE	* Verify the following on R-12: - R-12 High Alarm (red) Light OFF - R-12 Alert (amber) Light OFF - R-12 Normal(green) Light ON - R-12 Fail (amber) Light OFF - R-12 Error Messages Display NONE.		
16.	Inform Control Room Supervisor R-11 and R-12 aligned per N-RM-45-CL, Radiation Monitoring System Prestartup Checklist, step 2.3.1. (Cue[Floor]: CRS is informed.)	* Inform Control Room Supervisor R-11 and R-12 aligned per N-RM-45-CL, step 2.3.1.		

* 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?			
<u>IF</u> the JPM was time critical, <u>THEN</u> was the JPM completed in the designated time?			
<u>IF</u> the JPM was NOT time critical, <u>THEN</u> 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:

R-11 is started.

Job Performance Measure was:

SATISFACTORY _____ UNSATISFACTORY _____

EVALUATOR SIGNATURE: _____ DATE: _____

COMMENTS: