

CLINTON POWER STATION

Job Performance Measure

Shifting Off-Gas Post Treatment Process Radiation Monitors

JPM Number: 011273J001

Revision Number: 01

Date: 7/7/03

Developed By: T. Pickley 7/7/03
Instructor Date

Validated By: J. Anderson 10/17/03
SME or Instructor Date

Review By: P. K. Ryan 7/28/03
Operations Representative Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, or simulator)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating and terminating cues are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____
- _____ 9. Pilot test the JPM:
 - a. verify cues both verbal and visual are free of conflict, and
 - b. ensure performance time is accurate.
- _____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

SME/Instructor

Date

SME/Instructor

Date

SME/Instructor

Date

CLINTON POWER STATION
SYSTEM JPM

JPM NUMBER: 011273J001

REVISION: 01

Revision Record (Summary)

1. **Revision 00,** This is a new JPM
2. **Revision 01,** Revised to allow either Rad Monitor to be initially in service

CLINTON POWER STATION
SYSTEM JPM

JPM NUMBER: 011273J001

REVISION: 01

Operator's Name: _____ SSN: _____

Job Title: NLO RO SRO STA SRO Cert

JPM Title/Number: 011273J001, Shifting Off-Gas Post Treatment Process
Radiation Monitors

Revision Number: 01

Task Number and Title: 011273C504 & 011273C505, Place AR/PR monitors in/out of
service

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Plant Control Room

Testing Method: Simulate
 Perform

Faulted: No
Alternate Path: No

Time Critical: No

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____ minutes

References: CPS No. 3315.03, RADIATION MONITORING (AR/PR)

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

The operator's performance was evaluated against the standards contained in this JPM,
and has been determined to be: Satisfactory Unsatisfactory

Comments: _____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

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READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.

SIMULATOR SET-UP CONDITIONS:

Initialize to any suitable IC in which the 1RIX-PR041(35) monitor is in service.
Ensure AR/PR Panel alarm is functioning.

TASK STANDARDS:

Off-Gas Post Treatment Process Radiation Monitor 1RIX-PR035(41) is in service.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

None

PROCEDURAL/REFERENCES:

CPS No. 3315.03, RADIATION MONITORING (AR/PR),

EVALUATOR INSTRUCTIONS:

Amplifying cues are provided within the JPM steps.

INITIAL CONDITIONS AND INITIATING CUE:

Radiation Protection has informed the Control Room that preventative maintenance needs to be performed on 1RIX-PR041(35). This requires placing 1RIX-PR035(41) in service and 1RIX-PR041(35) in standby.

You are directed to transfer the Off-Gas Post Treatment Radiation Monitors from 1RIX-PR041(35) to 1RIX-PR035(41) per CPS 3315.03, RADIATION MONITORING through section 8.5.8. Report when task is complete.

START TIME: _____

CLINTON POWER STATION
SYSTEM JPM

JPM NUMBER: 011273J001

REVISION: 01

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

8.5 Shifting Off-Gas Post Treatment PRMs 1RIX-PR035 / 1RIX-PR041

NOTE

During monitor shifting both Off-Gas Post Treatment PRMs should be considered INOP. Refer to ODCM 3.9.1

CAUTION

To prevent closure of 1N66-F060, Off-Gas System Isolation Valve, the following steps must be performed in sequence.

8.5.1 For 1RIX-PR035/1RIX-PR041, direct RP to verify or install a new particulate filter and iodine cartridge.

Standard Verify new cartridge installed

CUE CRS has reviewed and applied the ODCM actions.
Respond that the cartridge is new.

Comments SAT UNSAT Comment Number

***8.5.2** **At the Channel Status screen for the monitor being placed in Standby, select STBY under the Standby Command.**

Standard The operator selects 'STBY' for monitor 1RIX-PR041(35).

CUE
Comments STANDBY will be alarming after selecting STBY

SAT UNSAT Comment Number

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***8.5.3**

At the Channel Status screen for the monitor being placed in Normal, start the sample pump by selecting ON under the Pump Command.

Standard

The operator starts the sample pump for 1RIX-PR035(41) by selecting 'ON' under the the pump command.

CUE
Comments

SAT UNSAT Comment Number

8.5.4

At the Channel Status screen for the monitor in STANDBY, verify Channel 14 pressure:

1. Is indicating < 14.9 psia.
2. Is not DELETED.

Standard

Operator verifies indicating < 14.9 psia

CUE
Comments

SAT UNSAT Comment Number

8.5.5

At the Channel Status screen for the monitor being placed in Normal, observe sample flow (Ch 15) is ~ 47 to 60 LPM.

Standard

Operator observes sample flow (Ch 15) is ~ 47 to 60 LPM

CUE
Comments

SAT UNSAT Comment Number

8.5.6

If flow adjustment is required, coordinate with RP to adjust flow per CPS 7410.75, Local Operation of AR/PR Monitors.

Standard

No action required

CUE
Comments

SAT UNSAT Comment Number

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8.5.7 Verify as left flow is ~ 47 to 60 LPM.

Standard Operator observes flow is ~ 47 to 60 LPM

CUE

Comments

SAT UNSAT Comment Number

***8.5.8 At the Channel Status screen for the monitor being placed in Normal, select NRML under the Standby Command.**

Standard The operator selects 'NRML' on the Channel Status screen for 1RIX-PR035(41).

CUE

Comments

SAT UNSAT Comment Number

STOP TIME: _____

TERMINATING CUES:

K/A REFERENCE NUMBERS

Importance Rating

K/A SYSTEM NUMBER

272000

K/A NUMBER

A4.02
A4.03
A4.06

RO

3.0
2.6
2.9

SRO

3.0
2.6
3.2

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INITIATING CUE

Radiation Protection has informed the Control Room that preventative maintenance needs to be performed on 1RIX-PR041(35). This requires placing 1RIX-PR035(41) in service and 1RIX-PR041(35) in standby.

You are directed to transfer the Off-Gas Post Treatment Radiation Monitors from 1RIX-PR041(35) to 1RIX-PR035(41) per CPS 3315.03, RADIATION MONITORING through section 8.5.8. Report when task is complete.