

ADMINISTRATIVE JOB PERFORMANCE MEASURE

UNIT: 2

REV #: 000

DATE: _____

SYSTEM/DUTY AREA: Equipment Control (A.2)

TASK: Determine actions for maintaining configuration control with inoperable containment penetration isolation valve.

JTA#: _____

KA VALUE RO: 2.1 SRO: 3.0 KA REFERENCE: 2.2.14

APPROVED FOR ADMINISTRATION TO: RO: _____ SRO: X

TASK LOCATION: INSIDE CR: _____ OUTSIDE CR: _____ BOTH: X

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform CLASSROOM: Perform

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ CLASSROOM: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 15 Minutes

REFERENCE(S): Unit 2 Tech Specs, P&ID's, OP 1015.034, Containment Penetration Administration Control and 2104.014, LRW and BMS Operations.

EXAMINEE'S NAME: _____ SSN: _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

Start Time _____ Stop Time _____ Total Time _____

SIGNED: _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:**

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS:

- The plant is at 100% power and Steady State.
- Containment sump draining via normal drain to Aux Building Sump is completed.
- 2CV-2061-2, Containment Sump Isolation valve, will not close.
- Maintenance on 2CV 2061-2, Containment Sump Isolation valve, is expected to take 12 hours.

TASK STANDARD: Determine the following requirements for controlling containment penetration isolation due to inoperable 2CV-2061-2, Containment Sump Isolation valve:

- TS 3.6.3.1 is applicable.
- Within 4 hours, to comply with Tech Spec 3.6.3.1, containment penetration '2P68' must be isolated by closing 2CV-2060-1, Containment Sump Isolation valve and deenergizing the valve.
- To maintain configuration control on 2CV 2060-1, a clearance tag should be installed on the breaker. It is also acceptable to record position of the valve status on 1015.034A, Containment Penetration Valve Log or the Component Out of Position Computer log.

TASK PERFORMANCE AIDS: OP 1015.034, Containment Penetration Administrative Control, OP 2104.014, LRW and BMS Operations and PID 2213 sh1 and 8.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

INITIATING CUE:

Determine the Tech Spec applicability and required actions, including administrative configuration controls due to the failure of 2CV-2061-2 to close, Containment Sump Isolation Valve, per OP 1015.034, Containment Penetration Administrative Control.

CRITICAL ELEMENTS (C) 1, 2, 3

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	1. Review OP 1015.034, Containment Penetration Administrative Control and identify Tech Spec 3.6.3.1 applicability.	Examinee determined that 2CV-2061-2, Containment Sump Isolation valve, failure to close required entry into Tech Spec 3.6.3.1 four-hour action statement.	N/A SAT UNSAT
(C)	2. Determine that Tech Spec compliance is achieved by closing and controlling the operation of valve 2CV-2060-1, Containment Sump Isolation valve, using P&ID 2213 SH 1 and 2.	Examinee determined that closing 2CV-2060-1, Containment Sump Isolation valve, and maintaining containment penetration "2P68" secure is required for Tech Spec compliance.	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	<p>3. Plant configuration control maintained by placing a clearance tag on the supply breaker, 2B51-B2 to 2CV-2060-1, Containment Sump Isolation valve, in the open position.</p> <p>EXAMINER's CUE: Report that 2CV 2060-1 is in a high radiation area and a local lock or clearance tag is not required.</p>	<p>Examinee complied with TS 3.6.3.1 and maintained plant configuration control of penetration by:</p> <ul style="list-style-type: none"> • Within 4 hours containment penetration '2P68' must be secured by opening the supply breaker to 2CV-2060-1, Containment Sump Isolation valve, 2B51-B1. <p>AND</p> <ul style="list-style-type: none"> • Placing a Clearance tag on the breaker in open position. <p>OR</p> <ul style="list-style-type: none"> • Recording position of the valve and breaker in the COOP log or Containment penetration valve log. 	<p>N/A SAT UNSAT</p>
<p>EXAMINERS NOTE: The Candidate may discuss use of a clearance tag on the drain valves 2ABS 2061A and 2ABS 2061B. Also, the candidate may discuss gagging the thermal relief in the penetration 2PSV 2000. These steps are not required for successful completion of this JPM.</p>			
<p style="text-align: center;">END</p>			

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINER'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is at 100% power and Steady State.
- Containment sump draining via normal drain to Aux Building Sump is completed.
- 2CV-2061-2, Containment Sump Isolation valve, will not close.
- Maintenance on 2CV 2061-2, Containment Sump Isolation valve, is expected to take 12 hours.

INITIATING CUE:

Determine the Tech Spec applicability and required actions, including administrative configuration controls due to the failure of 2CV-2061-2 to close, Containment Sump Isolation Valve, per OP 1015.034, Containment Penetration Administrative Control.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

EXAMINEE'S COPY

JPM INITIAL TASK CONDITIONS:

- The plant is at 100% power and Steady State.
- Containment sump draining via normal drain to Aux Building Sump is completed.
- 2CV-2061-2, Containment Sump Isolation valve, will not close.
- Maintenance on 2CV 2061-2, Containment Sump Isolation valve, is expected to take 12 hours.

INITIATING CUE:

Determine the Tech Spec applicability and required actions, including administrative configuration controls due to the failure of 2CV-2061-2 to close, Containment Sump Isolation Valve, per OP 1015.034, Containment Penetration Administrative Control.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

UNIT: 2

REV #: 000

DATE: _____

SYSTEM/DUTY AREA: Emergency Plan (A.4)

TASK: Determine EAL Classification and complete Shift Manager paperwork.

JTA#: _____

KA VALUE RO: 2.2 SRO: 4.0 KA REFERENCE: 2.4.38

APPROVED FOR ADMINISTRATION TO: RO: _____ SRO: X

TASK LOCATION: INSIDE CR: _____ OUTSIDE CR: _____ BOTH: X

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform CLASSROOM: Perform

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ CLASSROOM: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 20 Minutes

REFERENCE(S): 1903.011, Emergency Response / Notifications, 1903.010, EAL

EXAMINEE'S NAME: _____ SSN: _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

Start Time _____ Stop Time _____ Total Time _____

SIGNED: _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:**

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS:

- The plant is tripped 30 minutes ago from 100% power for 250 days.
- RCS Tc is 450°F and cool down in progress.
- HPSI Flow total is 900 gpm.
- PZR pressure is 825 psia.
- Both Steam Generator Pressures are 700 psia.
- 850 gpm LOCA inside containment.
- LOCA EOP is being implemented.
- Plant evacuation nor Exclusion Area evacuation have NOT been initiated.
- Valid RDACS alarm present 2K11 J10.
- Dose Assessment reports that RDACS indicates a release is in progress with the following projected Dose Rates:
 - 0.62 mile dose rate of 0.350 REM/HR TEDE and 0.550 REM/HR Thyroid
 - 1.45 mile dose rate of 0.035 REM/HR TEDE and 0.053 REM/HR Thyroid
 - 3.45 mile dose rate of 0.004 REM/HR TEDE and 0.005 REM/HR Thyroid
 - 7.23 mile dose rate of 0.000 REM/HR TEDE and 0.000 REM/HR Thyroid
- Dose Assessment reports that RDACS indicates a release is in progress with the following projected dose:
 - 0.62 mile dose of 1.400 REM TEDE and 2.201 REM Thyroid
 - 1.45 mile dose of 0.140 REM TEDE and 0.210 REM Thyroid
 - 3.45 mile dose of 0.014 REM TEDE and 0.021 REM Thyroid
 - 7.23 mile dose of 0.002 REM TEDE and 0.002 REM Thyroid
- RDACS is indicating evacuate Zone 'G' and shelter the remaining zones.
- Wind direction is from 190° and speed is 11 mph.
- 2RY-8925-1, High Range Containment Radiation Monitor is reading 705 R/HR.
- 2RY-8925-2, High Range Containment Radiation Monitor is reading 723 R/HR.
- Containment pressure is 34 psia.
- All other systems and actuations are operating as designed.

TASK STANDARD: Determine the following:

GE; EAL 1.7, or 5.4, Radiological Effluents \geq 250mr/hr TEDE or \geq 500mr/hr Child Thyroid CDE and use 1903.011S form.

PAR 1 & PAR 3, zones evacuated are G,K,N. and shelter the remaining zones.

Perform plant evacuation by route 1 and 3.

Perform exclusion area evacuation.

TASK PERFORMANCE AIDS: 1903.010, Emergency Action Levels; 1903.011, Emergency Response / Notifications; Steam Tables

ADMINISTRATIVE JOB PERFORMANCE MEASURE

INITIATING CUE:

Determine the highest EAL classification and PAR, if required, from the given initial conditions and complete applicable Shift Manager emergency direction and control checklist.

CRITICAL ELEMENTS (C) 1, 2, 5, 8, 10,11

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	1. Review OP 1903.010, EAL for classifying event using Step 4.10, 4.11 and EAL index.	Examinee determined the Proper EAL classification was a GE based on EAL 1.7, challenge or failure of 3 fission product barriers and/or EAL 5.4, Radiological Effluents \geq 250mr/hr TEDE or \geq 500mr/hr Child Thyroid CDE	N/A SAT UNSAT
(C)	2. Determine that 1903.011S, GE emergency direction and control checklist for shift manager was appropriate checklist for event.	Examinee determined that 1903.011S was appropriate form for event in progress.	N/A SAT UNSAT
	3. Determine initial notification paperwork completion and ENS notifications are required. EXAMINER's CUE: Inform examinee that the Initial notification paperwork and ENS notifications are being completed by opposite unit Shift Engineer.	Examinee determined that Initial notification paperwork and ENS notifications are required and would direct the shift engineer to complete it.	N/A SAT UNSAT
	4. Determine need to inform control room staff of EAL.	Inform Control Room staff that a General Emergency has been declared on Unit 2 due to EAL 1.7 or 5.4.	

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	5. Determine Evacuation routes 1 and 3 are appropriate due to wind direction being from 190°.	Examinee determined that plant evacuation routes 1 and 3 should be used.	N/A SAT UNSAT
EXAMINER's NOTE: No areas need to be avoided during plant evacuation.			
	6. Identify need to contact Security for performance of initial accountability within 30 minutes and for notification that plant evacuation is required. EXAMINER's CUE: Inform Examinee that security has been contacted.	Examinee determined that security must be contacted to perform initial accountability within 30 minutes and that a plant evacuation is required.	N/A SAT UNSAT
EXAMINER's NOTE: Secondary Guard station does not need to be opened and manned.			
	7. Identify need to notify HP to monitor personnel at exit portal monitors. EXAMINER's CUE: Inform examinee that HP has been contacted to perform personnel monitoring at exit portal monitors and to relax decontamination and radiation protection measures as necessary to expedite evacuation.	Examinee determined that HP is needed to monitor personnel at exit portal monitors and relax decontamination and radiation protection measures as necessary to expedite evacuation.	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	<p>8. Determine need to perform Plant Evacuation.</p> <p>EXAMINER's CUE: Inform examinee that SE has performed steps 9 and 10 of 1903.011S when either a plant announcement has been started or when requested that SE perform actions.</p>	<p>Examinee determined that plant evacuation is required and needs to make announcement.</p>	N/A SAT UNSAT
	<p>9. Identify need to instruct Control Room personnel to log badges into card reader for initial accountability.</p> <p>EXAMINER's CUE: Inform examinee that control room personnel on both unit's have been notified and both unit's NLO's have been notified.</p>	<p>Determined that Control Room personnel and NLO's on both unit's must be notified to log badges into card reader for initial accountability.</p>	N/A SAT UNSAT
(C)	<p>10. Perform Exclusion area Evacuation.</p> <p>EXAMINER's CUE: Inform examinee that security and Corp of Engineers have been informed.</p>	<p>Examinee determined that exclusion area evacuation is required and needs to direct security to perform it and the Corp of Engineers also must be notified to access portions of the lake within the exclusion area by boat.</p>	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	11. Using 1903.011 attachment 8 and attachment 6, determine that PAR 1 and 3 should be recommended and zones 'G, K, N' should be evacuated and shelter the remaining zones.	Examinee determined that PAR 1 and PAR 3 should be combined and zones 'G, K, N' from PAR 1 and Zone 'G' from PAR 3 should be evacuated and shelter the remaining zones.	N/A SAT UNSAT
	12. Determine that chemistry should be contacted to monitor RDACS. EXAMINER's CUE: Inform examinee that Chemistry has been informed.	Examinee determined that chemistry should monitor RDACS.	N/A SAT UNSAT
	13. Determine that Security needs to be informed that approach route to the plant via evacuation route 2 should be avoided. EXAMINER's CUE: Inform examinee that security has been informed that evacuation route 2 should be avoided when approaching the plant.	Examinee determined that evacuation route 2 to the plant should be avoided.	N/A SAT UNSAT
END			

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINER'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant tripped 30 minutes ago after operating at 100% power for 250 days.
- RCS Tc is 450°F and cool down in progress.
- HPSI Flow total is 900 gpm.
- PZR pressure is 825 psia.
- Both Steam Generator Pressures are 700 psia.
- 800 gpm LOCA inside containment.
- LOCA EOP is being implemented.
- Plant evacuation has NOT been initiated.
- Valid RDACS alarm present 2K11 J10.
- Dose Assessment reports that RDACS indicates a release is in progress with the following projected Dose Rates:
 - 0.62 mile dose rate of 0.350 REM/HR TEDE and 0.550 REM/HR Thyroid
 - 1.45 mile dose rate of 0.035 REM/HR TEDE and 0.053 REM/HR Thyroid
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 - 3.45 mile dose of 0.014 REM TEDE and 0.021 REM Thyroid
 - 7.23 mile dose of 0.002 REM TEDE and 0.002 REM Thyroid
- RDACS is indicating evacuate Zone 'G' and shelter the remaining zones.
- Wind direction is from 190° and speed is 11 mph.
- 2RY-8925-1, High Range Containment Radiation Monitor is reading 705 R/HR.
- 2RY-8925-2, High Range Containment Radiation Monitor is reading 723 R/HR.
- Containment pressure is 34 psia.
- All other systems and actuations are operating as designed.

INITIATING CUE:

Determine the highest EAL classification and PAR, if required, from the given initial conditions and complete applicable Shift Manager emergency direction and control checklist.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINEE'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is tripped 30 minutes ago from 100% power for 250 days.
- RCS Tc is 450°F and cool down in progress.
- HPSI Flow total is 900 gpm.
- PZR pressure is 825 psia.
- Both Steam Generator Pressures are 700 psia.
- 800 gpm LOCA inside containment.
- LOCA EOP is being implemented.
- Plant evacuation has NOT been initiated.
- Valid RDACS alarm present 2K11 J10.
- Dose Assessment reports that RDACS indicates a release is in progress with the following projected Dose Rates:
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- RDACS is indicating evacuate Zone 'G' and shelter the remaining zones.
- Wind direction is from 190° and speed is 11 mph.
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- 2RY-8925-2, High Range Containment Radiation Monitor is reading 723 R/HR.
- Containment pressure is 34 psia.
- All other systems and actuations are operating as designed.

INITIATING CUE:

Determine the highest EAL classification and PAR, if required, from the given initial conditions and complete applicable Shift Manager emergency direction and control checklist.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

UNIT: 2 REV #: 000 DATE: _____

SYSTEM/DUTY AREA: Conduct of Operations (A.1)

TASK: Determine requirements for issuing Containment air lock access key.

JTA#: _____

KA VALUE RO: 2.0 SRO: 2.9 KA REFERENCE: 2.1.13

APPROVED FOR ADMINISTRATION TO: RO: _____ SRO: X

TASK LOCATION: INSIDE CR: _____ OUTSIDE CR: _____ BOTH: X

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform CLASSROOM: Perform

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ CLASSROOM: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 20 Minutes

REFERENCE(S): 1015.005A, Shift Managers Key Log, 1015.005, Operations Key Control and Unit 2 Tech Specs.

EXAMINEE'S NAME: _____ SSN: _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

Start Time _____ Stop Time _____ Total Time _____

SIGNED: _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:**

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS:

- The plant is at 100% power.
- Green train maintenance week; minimal risk.
- Containment Personnel Hatch is locked.
- Containment Personnel Hatch was last closed on July 5, 2001 at 1900 with all required surveillances completed.
- Irvin Calibrate is ready to enter the Unit 2 Containment Building. Access is required for on-line surveillance testing. This testing will continue for the next three days under MAI # 57449 on 'B' SIT instrumentation on 386' elevation.
- Radiation Protection requirements have been completed and HP, Roger Health, badge number 3432, is requesting key for entry to Containment Personnel Hatch (#298).

TASK STANDARD: Determine the following requirements for issuance of the Containment Personnel Hatch key:

- Status board entry for Containment Personnel Hatch LLRT due.
- Status board entry for Containment visual inspection per form 1015.016M is required daily, and when entry complete and prior to LLRT on Containment Personnel Hatch.
- Inform NP&S to enter requirements onto daily and surveillance schedule.
- Ensure daily visual inspection of areas affected and final inspection at completion of entry is performed using form 1015.016M and a station log entry is performed to satisfy Tech Spec 4.5.2.C.2.
- Ensure that during the first entry Tech Spec 4.6.1.3.2 required surveillance on the Containment Personnel Hatch door interlock (task 020626) is performed.
- Obtain Name, Badge number and signature of person receiving the key.

TASK PERFORMANCE AIDS: OP 1015.005A, Shift Manager's Key Log and 1015.005, Operations Key Control and Unit 2 Tech Spec's.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

INITIATING CUE:

Determine the requirements for issuance of the Containment Personnel Hatch access key and Containment Building entry and complete required form to issue key per 1015.005, Operations Key Control.

CRITICAL ELEMENTS (C) 2, 3, 5, 6

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
	1. Review OP 1015.005, Operations Key Control to determine requirements.	Examinee reviewed steps 6.1 and 6.5 of 1015.005 to determine requirements for issuing key.	N/A SAT UNSAT
EXAMINER'S NOTE: If candidate asks, report that I&C is entering Containment immediately after the issuance of the key and the requirements after entry are applicable. HP is the person receiving the Key.			
(C)	2. Using 1015.005 log key number, Individual's name, individual's badge number, MAI number, SM name, Date/Time key issued to Containment Personnel Hatch.	Examinee obtained key number(298), name (Roger Health), badge number (3432), MAI number (57449) and signature of person receiving the key from initial conditions. Examinee signed and dated with the time that key was issued.	N/A SAT UNSAT
(C)	3. Using 1015.005 determine status board entry requirements. EXAMINER'S CUE: If asked, HES-02 requires LLRT within 7 days of completion of this maintenance.	Examinee determined Status board entry: <ul style="list-style-type: none"> • Containment Personnel Hatch LLRT due • Containment visual inspection per form 1015.016M. 	N/A SAT UNSAT
	4. Using 1015.005 determine need to inform NP&S to enter requirements onto daily and surveillance schedule.	Examinee contacted or discussed requirement to inform NP&S to enter requirements onto daily and surveillance schedule.	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	5. Using 1015.005 determine need to satisfy Tech Spec 4.5.2.C.2 surveillance requirements for containment entry.	Examinee determined a required daily visual inspection of areas affected using form 1015.016M along with a station log entry and a required final inspection at the completion of entry using form 1015.016M and a station log entry.	N/A SAT UNSAT
(C)	6. Using 1015.005 determine need satisfy Tech Spec 4.6.1.3.2 surveillance requirements for containment entry.	Examinee determined surveillance on the Containment Personnel Hatch door interlock (task 020626) on initial entry needed to satisfy 4.6.1.3.2 surveillance requirements.	N/A SAT UNSAT
EXAMINER's NOTE: If asked about mechanical support for Containment Personnel Hatch door interlock surveillance, report that mechanics are standing by the personnel hatch ready to perform surveillance on the initial entry into containment building.			
END			

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINER'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is at 100% power.
- Green train maintenance week; minimal risk.
- Containment Personnel Hatch is locked.
- Containment Personnel Hatch was last closed on July 5, 2001 at 1900 with all required surveillances completed.
- Irvin Calibrate is ready to enter the Unit 2 Containment Building. Access is required for on-line surveillance testing. This testing will continue for the next three days under MAI # 57449 on 'B' SIT instrumentation on 386' elevation.
- Radiation Protection requirements have been completed and HP, Roger Health, badge number 3432, is requesting key for entry to Containment Personnel Hatch (#298).

INITIATING CUE:

Determine the requirements for issuance of the Containment Personnel Hatch access key and Containment Building entry and complete required form to issue key per 1015.005, Operations Key Control.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINEE'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is at 100% power.
- Green train maintenance week; minimal risk.
- Containment Personnel Hatch is locked.
- Containment Personnel Hatch was last closed on July 5, 2001 at 1900 with all required surveillances completed.
- Irvin Calibrate is ready to enter the Unit 2 Containment Building. Access is required for on-line surveillance testing. This testing will continue for the next three days under MAI # 57449 on 'B' SIT instrumentation on 386' elevation.
- Radiation Protection requirements have been completed and HP, Roger Health, badge number 3432, is requesting key for entry to Containment Personnel Hatch (#298).

INITIATING CUE:

Determine the requirements for issuance of the Containment Personnel Hatch access key and Containment Building entry and complete required form to issue key per 1015.005, Operations Key Control.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

UNIT: 2 REV #: 000 DATE: _____

SYSTEM/DUTY AREA: Radiation Controls (A.3)

TASK: Approve administration of Potassium Iodide.

JTA#: _____

KA VALUE RO: 2.9 SRO: 3.3 KA REFERENCE: 2.3.10

APPROVED FOR ADMINISTRATION TO: RO: _____ SRO: X

TASK LOCATION: INSIDE CR: _____ OUTSIDE CR: _____ BOTH: X

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform CLASSROOM: Perform

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ CLASSROOM: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 15 Minutes

REFERENCE(S): 1903.035, Administration of Potassium Iodide

EXAMINEE'S NAME: _____ SSN: _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

Start Time _____ Stop Time _____ Total Time _____

SIGNED: _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:**

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS:

- The plant is tripped from 100% power.
- 300 gpm LOCA in progress.
- Loss of Offsite power is in progress.
- LOCA EOP is being implemented.
- RDACS indicates an off site release in progress.
- Data indicates I-131 concentration of 5.0 E-04 μ ci/cc in area of work in Upper South Piping Penetration room.
- Whole body dose rates in area of work are 1Rem/hr.
- General Emergency has just been declared.
- Joe Mechanic has completed 1903.035C form, ANO Medical Questionnaire-Iodine Sensitivity.
- RP estimates that it will take approximately 15 minutes to complete emergency actions and stop the release and all RP required controls/authorizations are complete.
- Air Purifying Respirator with Iodine Canister having a protection factor of 1.0 will be used in place of a SCBA due to piping interference.
- EOF, OSC and TSC have NOT been staffed.

TASK STANDARD: Determine that KI should be administered.

TASK PERFORMANCE AIDS: OP 1903.0035, Potassium Iodide Administration, completed form 1903.035C, ANO Medical Questionnaire-Iodine Sensitivity and 1903.035A, Potassium Iodide Administration.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

INITIATING CUE:

Determine the need to issue KI, Potassium Iodide and complete necessary paperwork, using OP 1903.035.

CRITICAL ELEMENTS (C) 2, 3, 5

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
	1. Review OP 1903.035, Administration of Potassium Iodide to determine criteria for administering KI.	Examinee determined the criteria for administration of KI is 25 REM exposure to Thyroid committed dose equivalent or if concentration is unknown, the possibility exists for receiving large amounts of radioactive airborne iodine.	N/A SAT UNSAT
(C)	2. Using graph on 1903.035 Attachment 1 and information provided in initial conditions, determine that Joe Mechanic will exceed 25 REM during the maintenance evolution.	Determined that expected exposure will exceed 25 REM threshold.	N/A SAT UNSAT
(C)	3. Determine that Joe Mechanic is not sensitive to nor experienced an allergic reaction to Iodide.	Reviewed 1903.035C form and determined that Joe Mechanic was not sensitive to nor experienced an allergic reaction to Iodide.	N/A SAT UNSAT
	4. Complete form 1903.035A.	Completed all areas of form 1903.035A, Potassium Iodide Administration, from initial conditions: <ul style="list-style-type: none"> • Estimated Thyroid dose commitment. • Date. • Respiratory protection. • Signature of Joe Mechanic that he chooses to receive KI. 	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
(C)	5. Determine that KI may be approved for distribution to Joe Mechanic during the Upper South Piping penetration work.	Examinee approved distribution of KI to Joe Mechanic by signing and dating form.	N/A SAT UNSAT
END			

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINER'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is tripped from 100% power.
- 300 gpm LOCA in progress.
- Loss of Offsite power is in progress.
- LOCA EOP is being implemented.
- RDACS indicates an off site release in progress.
- Data indicates I-131 concentration of 5.0 E-04 μ ci/cc in area of work in Upper South Piping Penetration room.
- Whole body dose rates in area of work are 1Rem/hr.
- General Emergency has just been declared.
- Joe Mechanic has completed 1903.035C form, ANO Medical Questionnaire-Iodine Sensitivity.
- RP estimates that it will take approximately 15 minutes to complete emergency actions and stop the release and all RP required controls/authorizations are complete.
- Air Purifying Respirator with Iodine Canister having a protection factor of 1.0 will be used in place of a SCBA due to piping interference.
- EOF, OSC and TSC have NOT been staffed.

INITIATING CUE:

Determine the need to issue KI, Potassium Iodide and complete necessary paperwork, using OP 1903.035.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**EXAMINEE'S COPY****JPM INITIAL TASK CONDITIONS:**

- The plant is tripped from 100% power.
- 300 gpm LOCA in progress.
- Loss of Offsite power is in progress.
- LOCA EOP is being implemented.
- RDACS indicates an off site release in progress.
- Data indicates I-131 concentration of $5.0 \text{ E-}04 \mu \text{ ci/cc}$ in area of work in Upper South Piping Penetration room.
- Whole body dose rates in area of work are 1Rem/hr.
- General Emergency has just been declared.
- Joe Mechanic has completed 1903.035C form, ANO Medical Questionnaire-Iodine Sensitivity.
- RP estimates that it will take approximately 15 minutes to complete emergency actions and stop the release and all RP required controls/authorizations are complete.
- Air Purifying Respirator with Iodine Canister having a protection factor of 1.0 will be used in place of a SCBA due to piping interference.
- EOF, OSC and TSC have NOT been staffed.

INITIATING CUE:

Determine the need to issue KI, Potassium Iodide and complete necessary paperwork, using OP 1903.035.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

UNIT: 2 REV #: 000 DATE: _____

SYSTEM/DUTY AREA: Conduct of Operations (A.1)

TASK: Verify RPS trip setpoint determination for inoperable MSSV

JTA#: _____

KA VALUE RO: 3.0 SRO: 3.4 KA REFERENCE: 2.1.3

APPROVED FOR ADMINISTRATION TO: RO: _____ SRO: X

TASK LOCATION: INSIDE CR: _____ OUTSIDE CR: _____ BOTH: X

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ SIMULATOR: Perform CLASSROOM: Perform

POSITION EVALUATED: RO: _____ SRO: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ PLANT SITE: _____ CLASSROOM: _____

TESTING METHOD: SIMULATE: _____ PERFORM: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 15 Minutes

REFERENCE(S): Form 1015.016B, Shift turnover checklist & form 1015.016Q, MTC VS EFPD and power

EXAMINEE'S NAME: _____ SSN: _____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ UNSATISFACTORY: _____

PERFORMANCE CHECKLIST COMMENTS:

Start Time _____ Stop Time _____ Total Time _____

SIGNED: _____ DATE: _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

ADMINISTRATIVE JOB PERFORMANCE MEASURE**THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:**

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS:

- The plant is at 80% power, 325 EFPD, Steady State.
- MSSV testing is in progress.
- One MSSV, 2PSV-1054 has been declared inoperable just prior to shift turnover.
- The CBOT has completed the Shift Turnover checklist.

TASK STANDARD: Determine the maximum High Linear Power Level and RPS trip setpoint to be 88.5 to 86.5% to comply with Technical Specification 3.7.1.1.

TASK PERFORMANCE AIDS: Shift Turnover Checklist, form 1015.016B, Unit 2 Tech Specs, Moderator Temperature Coefficient VS EFPD and Power, form 1015.016Q, and a straight edge.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

INITIATING CUE:

Verify shift turnover checklist step 'W', Main Steam and Main Feedwater, by performing an independent review of the CBOT's determination of the Maximum High Linear Power Level and Trip Setpoint vs. MTC per Tech Specs using form 1015.016B and form 1015.016Q.

CRITICAL ELEMENTS (C) 2, 3

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
	<p>1. Review Shift turnover checklist step W.1.</p> <p>EXAMINER's CUE: Inform examinee that values for MTC and linear power trip setpoint derived by CBOT will not be given.</p>	Examinee reviewed step W.1 for inoperable MSSV.	N/A SAT UNSAT
(C)	<p>2. Using form 1015.016Q, determine MTC for 325 EFPD to be approximately -1.4×10^{-4} delta K/K/degree F.</p>	Examinee correctly derived from graph based on 325 EFPD and 80% power curve that MTC is approximately -1.4×10^{-4} delta K/K/degree F.	N/A SAT UNSAT
(C)	<p>3. Using Tech Spec 3.7.1 figure 3.7-1 determines new maximum power and RPS linear power trip setpoint to be $87.5\% \pm 1\%$.</p>	<p>Examinee correctly derived from graph based on MTC of -1.4×10^{-4} delta K/K/degree F and knowing that one MSSV is inoperable determined that maximum power and RPS linear power trip setpoint should be $87.5\% \pm 1\%$.</p> <p>OR</p> <p>Examinee correctly interpolated from points given on the graph that maximum power and RPS linear power trip setpoint should be $87.5\% \pm 1\%$</p>	N/A SAT UNSAT

ADMINISTRATIVE JOB PERFORMANCE MEASURE

	PERFORMANCE CHECKLIST	STANDARD	(Circle One)
<p>EXAMINER's NOTE: Examinee may discuss the Tech Spec applicability at this point stating that Tech Spec 3.7.1.1 LCO to allows power operations to continue provided that within 4 hours power is reduced to the maximum power of 79% or as allowed by figure 3.7-1 and within 12 hours, the RPS trip setpoint adjusted to be less than the value of 79% or as allowed in figure 3.7-1 per table 3.7-1, but this discussion is not required for successful completion of the JPM.</p>			
<p>END</p>			

ADMINISTRATIVE JOB PERFORMANCE MEASURE

EXAMINER'S COPY

JPM INITIAL TASK CONDITIONS:

- The plant is at 80% power, 325 EFPD.
- MSSV testing is in progress.
- One MSSV, 2PSV 1054 has been declared inoperable just prior to shift turnover.
- CBOT has completed the Shift Turnover checklist.

INITIATING CUE:

Verify shift turnover checklist step 'W', Main Steam and Main Feedwater, by performing an independent review of the CBOT's determination of the Maximum High Linear Power Level and Trip Setpoint vs. MTC per Tech Specs using form 1015.016B and form 1015.016Q.

ADMINISTRATIVE JOB PERFORMANCE MEASURE

EXAMINEE'S COPY

JPM INITIAL TASK CONDITIONS:

- The plant is at 80% power, 325 EFPD.
- MSSV testing is in progress.
- One MSSV, 2PSV 1054 has been declared inoperable just prior to shift turnover.
- CBOT has completed the Shift Turnover checklist.

INITIATING CUE:

Verify shift turnover checklist step 'W', Main Steam and Main Feedwater, by performing an independent review of the CBOT's determination of the Maximum High Linear Power Level and Trip Setpoint vs. MTC per Tech Specs using form 1015.016B and form 1015.016Q.

W. MAIN STEAM AND MAIN FEEDWATER

1. IF MSSV(s) inoperable,
THEN perform the following:
 - A. Refer to 1015.016Q (MTC vs EFPD AND POWER) to obtain limiting MTC value
 - B. Refer to Tech Spec Figure 3.7-1 (Maximum High Linear Power Level and Trip Setpoint Versus MTC) and use MTC value obtained from 1015.016Q to obtain High Linear Power Level Trip Setpoint for 1 MSSV inoperable or 1 MSSV/header inoperable.

2. IF a component required for MFW isolation becomes inoperable (i.e., a Condensate, MFW, or Heater Drain pump will not trip on MSIS or CSAS),
THEN restore the component within 48 hours or place it in its MSIS or CSAS actuated state. Otherwise be in Hot Standby in 6 hours.

ST 1

NA

COMMENTS:

2PSV-1054 is inoperable

If position manned, then list on shift personnel:

SM <u>Sam Manager</u>	CRS <u>Charlie Supervisor</u>
CRSA <u>NA</u>	TRO <u>NA</u>
CBOR <u>Robert Reactor</u>	CBOT <u>Sam Turbine</u>
WCO <u>William Operator</u>	AO <u>Art Jones</u>
EOP <u>Eddie Plant</u>	SE <u>Emil Engineer</u>

PERFORMED BY: Sam Turbine

REVIEWED BY: _____

form title: SHIFT TURNOVER CHECKLIST MODES 1 - 4	form no. 1015.016 B	change no. 24-01-0
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