



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: DETERMINE BLENDED FLOW CONCENTRATION

JPM NUMBER: ADMIN-50 REV. 4

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): CRO 004 006 01 01 000 / PERFORM BORON CONCENTRATION CHANGE
CALCULATIONS

K/A NUMBERS: 2.1.25 (3.9/4.2)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 7 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☒ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/12/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-50, DETERMINE BLENDED FLOW CONCENTRATION, REV. 4

JPM Number: ADMIN-50JPM Title: DETERMINE BLENDED FLOW CONCENTRATION

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-50, DETERMINE BLENDED FLOW CONCENTRATION, REV. 4**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- Unit 1 is at 100% power.
- ERCS is NOT available.
- The RCS boron concentration from the most recent sample analysis is 1500 ppm.

INITIATING CUES:

- The Shift Supervisor directs you to perform step 5.1.2 of 1C12.5, UNIT 1 BORON CONCENTRATION CONTROL.
- Use a reactor makeup setting of 45%.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-50, DETERMINE BLENDED FLOW CONCENTRATION, REV. 4

JPM PERFORMANCE INFORMATION

Required Materials: Consumable copy of 1C12.5 page 5 with step 5.1.1 signed off and page 33, Figure 1 – Blended Flow Nomograph.

General References: 1C12.5, UNIT 1 BORON CONCENTRATION CONTROL

Task Standards: Examinee estimates a setting of 34%(±5%) for HC-110, BORIC ACID FLOW CONT.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1C12.5 Step 5.1.2
Critical N Using Boron Addition Program or Figure 1, Blended Flow Nomograph, estimate the setting for HC-110, BA TO BLENDER FLOW CONT, to obtain a blended flow concentration equal to that determined in Step 5.1.1.

Standard: Examinee proceeds to Figure 1, Blended Flow Nomograph.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Performance Step: 1C12.5 Figure 1
Critical Y 1. Select desired boron blend on column (3).

Standard: Examinee selects 1500 ppm on column 3.
 OR
 Examinee uses 1500 ppm for variable (z) in Blended Flow Equation.

Evaluator Note: Examinee can use EITHER the Fig. 1 nomograph OR equation.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-50, DETERMINE BLENDED FLOW CONCENTRATION, REV. 4

Performance Step:	1C12.5 Figure 1
Critical <u>Y</u>	2. Select convenient reactor makeup water flow setting on column (1) (HFC-111 (Rack CVCS2) is normally set at 45%).
Standard:	Examinee selects 45% on column 1. OR Examinee uses 45% for variable (y) in Blended Flow Equation.
Evaluator Note:	Examinee can use EITHER the Fig. 1 nomograph OR equation.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	1C12.5 Figure 1
Critical <u>Y</u>	3. Draw a straight line from points 1 and 3 to determine boric acid flow setting on column (2).
Standard:	Examinee determines boric acid flow setting of 34% (± 5%) on HC-110.
Evaluator Notes:	<ul style="list-style-type: none"> Examinee can use EITHER the Fig. 1 nomograph OR equation. If examinee uses equation: $x = \frac{1500 \text{ ppm} * 45\%}{21000 - 1500 \text{ ppm}}$
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the examinee has estimated a setting of 34%(±5%) for HC-110, BORIC ACID FLOW CONT, then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- Unit 1 is at 100% power.
- ERCS is NOT available.
- The RCS boron concentration from the most recent sample analysis is 1500 ppm.

INITIATING CUES:

- The Shift Supervisor directs you to perform step 5.1.2 of 1C12.5, UNIT 1 BORON CONCENTRATION CONTROL.
- Use a reactor makeup setting of 45%.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-50, DETERMINE BLENDED FLOW CONCENTRATION, REV. 4

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

 Validation Personnel /Date

 Validation Personnel/Date

 Validation Personnel /Date

 Validation Personnel/Date

 Validation Personnel /Date

 Validation Personnel/Date

 Validation Personnel /Date

 Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: VERIFY CORRECT PROCEDURE REVISION FOR SP 1013

JPM NUMBER: ADMIN-80 REV. 0

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): CRO 019 999 00 00 000 / PERFORM ADMINISTRATIVE TASKS

K/A NUMBERS: 2.1.21 (3.5*/3.6*)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 4 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☒ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/13/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-80, VERIFY CORRECT PROCEDURE REVISION FOR SP 1013, REV. 0

JPM Number: ADMIN-80JPM Title: VERIFY CORRECT PROCEDURE REVISION FOR SP 1013

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-80, VERIFY CORRECT PROCEDURE REVISION FOR SP 1013, REV. 0**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You have an unverified copy of SP-1013, ROD INSERTION LIMIT MONITOR MONTHLY COMPUTER CHECK.
- A working copy of FP-G-DOC-03, PROCEDURE AND WORK INSTRUCTION USE AND ADHERENCE (PRAIRIE ISLAND ONLY), is available.

INITIATING CUES:

- Verify the copy of SP-1013 is the correct revision per step 5.1.4 of FP-G-DOC-03.
- Annotate the copy of SP-1013 per step 5.1.5 of FP-G-DOC-03.

Print these files for use as the CORRECT and INCORRECT revisions.



ADMIN-80 SP 1013 REV 29.pdf



ADMIN-80 SP 1013 REV 26.pdf

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-80, VERIFY CORRECT PROCEDURE REVISION FOR SP 1013, REV. 0

JPM PERFORMANCE INFORMATION

- Required Materials:** Copy of FP-G-DOC-03-PI.
Consumable copies of SP-1013, one with correct revision 29 and one with incorrect revision 26.
A computer with access to the LAN.
- General References:** FP-G-DOC-03-PI, PROCEDURE AND WORK INSTRUCTION USE AND ADHERENCE (PRAIRIE ISLAND ONLY)
- Task Standards:** Examinee verifies the correct revision of SP-1013 and annotates first page with initials and current date.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step:	FP-G-DOC-03-PI Step 5.1.4
Critical <u>Y</u>	Additional copies may be verified as Working Copies or an existing Working Copy re-verified by performing the following: <ul style="list-style-type: none"> Ensure the revision is correct, the document is active (PassPort: revision status is ISSUED; SharePoint: Doc_status is ISSUED), and any open temporary changes are included by comparing it to a controlled copy in a “vital file location” or an electronically controlled copy in PassPort / SharePoint.
Standard:	Examinee determines the revision in PassPort or SharePoint does not match the revision in hand.
Evaluator Cue:	Provide examinee with INCORRECT “REV. 26” to perform revision check.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-80, VERIFY CORRECT PROCEDURE REVISION FOR SP 1013, REV. 0

Performance Step: Critical <u>N</u>	FP-G-DOC-03-PI Step 5.1.4 Additional copies may be verified as Working Copies or an existing Working Copy re-verified by performing the following: <ul style="list-style-type: none"> • Ensure the revision is correct, the document is active (PassPort: revision status is ISSUED; SharePoint: Doc_status is ISSUED), and any open temporary changes are included by comparing it to a controlled copy in a “vital file location” or an electronically controlled copy in PassPort / SharePoint.
Standard:	Examinee determines the revision in hand matches the revision in PassPort or SharePoint.
Evaluator Cue:	If examinee asks, then provide examinee with CORRECT “REV. 29” to perform revision check.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical <u>Y</u>	FP-G-DOC-03-PI Step 5.1.5 Verification of Working Copies SHALL be documented by annotating the first page of the Working Copy with initials and current date. The annotation SHALL be affixed in a noticeable location and in a manner that does not obscure information.
Standard:	Examinee annotates the first page of SP-1013 with initials and current date.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the examinee has verified the correct revision of SP-1013 and annotated initials and current date on first page, then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- You have an unverified copy of SP-1013, ROD INSERTION LIMIT MONITOR MONTHLY COMPUTER CHECK.
- A working copy of FP-G-DOC-03, PROCEDURE AND WORK INSTRUCTION USE AND ADHERENCE (PRAIRIE ISLAND ONLY), is available.

INITIATING CUES:

- Verify the copy of SP-1013 is the correct revision per step 5.1.4 of FP-G-DOC-03.
- Annotate the copy of SP-1013 per step 5.1.5 of FP-G-DOC-03.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-80, VERIFY CORRECT PROCEDURE REVISION FOR SP 1013, REV. 0

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: REVIEW A CLEARANCE ORDER

JPM NUMBER: ADMIN-81 REV. 0

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): CRO 119 021 01 01 000 / APPROVE A CLEARANCE ORDER

K/A NUMBERS: 2.2.13 (4.1/4.3)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 15 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☒ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/15/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/16/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-81, REVIEW A CLEARANCE ORDER, REV. 0

JPM Number: ADMIN-81JPM Title: REVIEW A CLEARANCE ORDER

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-81, REVIEW A CLEARANCE ORDER, REV. 0**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- Maintenance has requested an isolation on 12 Charging Pump for CVCS Suction Stabilizer maintenance.
- The PASSPORT tagging system is OOS.
- The clearance order has been prepared using QF-1109, Paper Based Tagging Form.

INITIATING CUES:

- The Shift Supervisor directs you to review the clearance order.
- FP-OP-TAG-01, Fleet Tagging, is available for reference.
- Report any discrepancies to the Shift Supervisor.

Print out these files and give to examinee.



ADMIN-81 QF-1109.pdf



ADMIN-81 NE-40008-35.pdf



ADMIN-81 XH-1-39.pdf

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-81, REVIEW A CLEARANCE ORDER, REV. 0

JPM PERFORMANCE INFORMATION

Required Materials: Consumable copies of the following:

- (marked up) QF-1109
- NE-40008-35
- XH-1-39

General References: FP-OP-TAG-01

Task Standards: Examinee determines that BKR 112J-1 should be BKR 111J-1 and that VC-6-6 should be CLOSED.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: FP-OP-TAG-01 Section 5.4
Critical Y Step 5.4.2.1

Independently verify a safe boundary has been established.

Standard: Examinee determines BKR 112J-1 is incorrect and should be BKR 111J-1.

Evaluator Note: The examinee may perform steps in any order.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-81, REVIEW A CLEARANCE ORDER, REV. 0

Performance Step:	FP-OP-TAG-01 Section 5.4
Critical <u>Y</u>	Step 5.4.2.1
	Independently verify a safe boundary has been established.
Standard:	Examinee determines VC-6-6 OPEN is the incorrect position and should be placed in the CLOSED position.
Evaluator Note:	The examinee may perform steps in any order.
Evaluator Note:	<ul style="list-style-type: none"> • The examinee may question VC-165-16 position being OPEN. This will not be a JPM failure. • This is the correct valve position as a drain line will be connected for maintenance.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When examinee determines BKR 112J-1 should be BKR 111J-1 and VC-6-6 should be CLOSED, then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- Maintenance has requested an isolation on 12 Charging Pump for CVCS Suction Stabilizer maintenance.
- The PASSPORT tagging system is OOS.
- The clearance order has been prepared using QF-1109, Paper Based Tagging Form.

INITIATING CUES:

- The Shift Supervisor directs you to review the clearance order.
- FP-OP-TAG-01, Fleet Tagging, is available for reference.
- Report any discrepancies to the Shift Supervisor.

ADMIN-81, REVIEW A CLEARANCE ORDER, REV. 0

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET

JPM NUMBER: ADMIN-16 REV. 7

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): CRO 073 ATI 00 00 008 / REMOVE REDUNDANT RAD MONITORS FROM
SERVICE

K/A NUMBERS: 2.3.5 (2.9/2.9)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 14 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☒ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/12/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-16, INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET, REV. 7JPM Number: ADMIN-16JPM Title: INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-16, INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET, REV. 7**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

INITIAL CONDITIONS:

- Unit 1 is in Mode 6.
- Unit 2 is at 50% power, performing a shutdown per 2C1.4.
- Radiation monitor 1R-11, Unit 1 Containment Air Particulate Monitor, DETECTOR has failed.
- The WCC SRO has addressed 1R-11 for Emergency Preparedness equipment per PINGP 1672.

INITIATING CUES:

- The Shift Supervisor has directed you to initiate a PINGP 729, Out of Service Radiation Monitor Data Sheet, per step 5.4.3 of C11, Radiation Monitoring System.

Print this file and give to examinee if not in Control Room or Simulator.



ADMIN-16 PINGP 729.pdf

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-16, INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET, REV. 7

JPM PERFORMANCE INFORMATION

Required Materials: PINGP 729

General References: C11 with Steps 5.4.2, 5.4.4, and 5.4.6 signed off.

Task Standards: PINGP 729 Section 1 filled out and ready for SS review.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step:	C11 5.4.3
Critical <u>N</u>	Initiate a PINGP 729, Out of Service Radiation Monitor Data Sheet.
Standard:	Examinee locates PINGP 729
Evaluator Note:	If conducting JPM outside the Control Room or Simulator, provide the examinee a copy of PINGP 729.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-16, INITIATE A RADIATION MONITOR OUT OF SERVICE DATA SHEET, REV. 7

Performance Step: Critical <u>Y</u>	C11 5.4.3, cont. PINGP 729, Section 1 Radiation Monitor Status (to be completed by Operations).
Standard:	Examinee completes PINGP 729 as follows:
NOTE: The Critical elements are marked with an *.	<ul style="list-style-type: none"> • Rad Monitor ID: 1R-11* • Date/Time Placed Out of Service: Use current date and time* • Reason Equipment OOS: Equipment Failed (or words to that effect) • Equipment Component OOS (check applicable component): Detector* • Expected Duration (if known): Unknown
Evaluator Cues:	<ul style="list-style-type: none"> • Inform examinee to use current date and time. • If examinee asks, state that we do not know when 1R-11 will be returned to service.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical <u>Y</u>	C11 5.4.3, cont. PINGP 729, Section 1 Radiation Monitor Status (to be completed by Operations).
Standard:	Completes PINGP 729 section 1 Work Order Number: 1190387
Evaluator Cues:	<ul style="list-style-type: none"> • If asked, inform examinee the WO # is 1190387. • If after completing section 1, the examinee requests a SS signature, inform examinee that you will sign as SS.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the examinee has filled out Section 1 of PINGP 729 and requests a Shift Supervisor review, then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- Unit 1 is in Mode 6.
- Unit 2 is at 50% power, performing a shutdown per 2C1.4.
- Radiation monitor 1R-11, Unit 1 Containment Air Particulate Monitor, DETECTOR has failed.
- The WCC SRO has addressed 1R-11 for Emergency Preparedness equipment per PINGP 1672.

INITIATING CUES:

- The Shift Supervisor has directed you to initiate a PINGP 729, Out of Service Radiation Monitor Data Sheet, per step 5.4.3 of C11, Radiation Monitoring System.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-16, REMOVE A RADIATION MONITOR FROM SERVICE, REV. 7**ATTACHMENT 1****JOB PERFORMANCE MEASURE VALIDATION CHECKLIST**

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: ASSESS SHIFT STAFFING LEVELS

JPM NUMBER: ADMIN-42 REV. 3

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): SS 343 ATI 00 00 009 / ENSURE SHIFT MANNING FOR ALL EVOLUTIONS
INCLUDING FFD

K/A NUMBERS: 2.1.5 (2.9*/3.9)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 9 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☐ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/13/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-42, ASSESS SHIFT STAFFING LEVELS, REV. 3

JPM Number: ADMIN-42JPM Title: ASSESS SHIFT STAFFING LEVELS

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-42, ASSESS SHIFT STAFFING LEVELS, REV. 3**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor.
- Unit 1 and 2 are both at 100% power.
- It is Saturday at 2300.
- Currently on site, there are
 - 2 Shift Supervisors.
 - 4 Licensed Reactor Operators
 - 7 Non-licensed Operators
 - 1 Shift Technical Advisor
 - 1 Shift Manager
 - 1 Shift Chemist
 - 4 Radiation Protection Specialists
- The Unit 1 Shift Supervisor receives a phone call from the State Police stating that his wife has been in a car accident and is being transported by ambulance to the Fairview Red Wing Hospital.
- The Unit 1 Shift Supervisor requests permission to immediately leave the site to be with his children at the hospital.

INITIATING CUES:

- Determine the following using SWI O-2, Shift Organization, Operation & Turnover, Table 1:
 - Can the Unit 1 Shift Supervisor immediately leave the site?
 - If so, what actions must be taken?
- Report decisions to evaluator.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-42, ASSESS SHIFT STAFFING LEVELS, REV. 3

JPM PERFORMANCE INFORMATION

Required Materials: SWI O-2, SHIFT ORGANIZATION, OPERATION & TURNOVER

General References: SWI O-2, SHIFT ORGANIZATION, OPERATION & TURNOVER

Task Standards: Examinee determines that the Unit 1 Shift Supervisor can be released and contacts an appropriate relief.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: SWI O-2 – Table 1, Minimum Shift Staffing
Critical N

Standard: Examinee determines minimum shift staffing is currently met.

Evaluator Note: Steps may be performed in any sequence.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-42, ASSESS SHIFT STAFFING LEVELS, REV. 3

Performance Step: Critical <u>Y</u>	SWI O-2 – Table 1, Minimum Shift Staffing Note 1. Shift crew composition may be one less than the minimum requirements for a period of time not to exceed two hours in order to accommodate an unexpected absence of one duty shift crew member provided immediate action is taken to restore the shift crew composition to within the minimum requirements specified. This SHALL NOT be used for convenience. If a person's relief calls in sick, they are to keep the duty until a qualified relief arrives.
Standard:	Examinee determines the Unit 1 Shift Supervisor is authorized to leave.
Evaluator Note:	Steps may be performed in any sequence.
Evaluator Cue:	When given authorization to leave, then, as the Unit 1 Shift Supervisor, acknowledge you've been given authorization to leave.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical <u>Y</u>	Table 1 Minimum Shift Staffing Note 1. Shift crew composition may be one less than the minimum requirements for a period of time not to exceed two hours in order to accommodate an unexpected absence of one duty shift crew member provided immediate action is taken to restore the shift crew composition to within the minimum requirements specified. This SHALL NOT be used for convenience. If a person's relief calls in sick, they are to keep the duty until a qualified relief arrives.
Standard:	Examinee contacts a replacement Shift Supervisor to replace the released Shift Supervisor.
Evaluator Note:	Steps may be performed in any sequence.
Evaluator Cue:	When examinee indicates they're contacting a replacement Shift Supervisor, then inform examinee that you, as a replacement Shift Supervisor, agree to report to the plant immediately.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When Unit 1 Shift Supervisor is released and an appropriate relief contacted then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor.
- Unit 1 and 2 are both at 100% power.
- It is Saturday at 2300.
- Currently on site, there are
 - 2 Shift Supervisors.
 - 4 Licensed Reactor Operators
 - 7 Non-licensed Operators
 - 1 Shift Technical Advisor
 - 1 Shift Manager
 - 1 Shift Chemist
 - 4 Radiation Protection Specialists
- The Unit 1 Shift Supervisor receives a phone call from the State Police stating that his wife has been in a car accident and is being transported by ambulance to the Fairview Red Wing Hospital.
- The Unit 1 Shift Supervisor requests permission to immediately leave the site to be with his children at the hospital.

INITIATING CUES:

- Determine the following using SWI O-2, Shift Organization, Operation & Turnover, Table 1:
 - Can the Unit 1 Shift Supervisor immediately leave the site?
 - If so, what actions must be taken?
- Report decisions to evaluator.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-42, ASSESS SHIFT STAFFING LEVELS, REV. 3

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: PERFORM PRA CALCULATION USING EOOS SOFTWARE

JPM NUMBER: ADMIN-52 REV. 5

RELATED PRA
INFORMATION: IMPORTANT COMPONENT – D1 DSL GENTASK NUMBERS /
TASK TITLE(S): SS 343 052 03 03 000 / PERFORM RISK BASED ANALYSIS OF
MAINTENANCE ACTIVITIES

K/A NUMBERS: 2.1.19 (3.9/3.8)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☒ Other: ☒Lab: ☐

Time for Completion: 15 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☐ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/12/2014
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator (See JPM Validation Checklist, Attachment 1)	Date
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-52, PERFORM EOOS CALCULATION, REV. 5JPM Number: ADMIN-52JPM Title: PERFORM EOOS CALCULATION

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-52, PERFORM EOOS CALCULATION, REV. 5**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- Unit 1 is at 100% power.
- 11 TDAFWP is INOPERABLE for planned maintenance.

INITIATING CUES:

- Due to an emergent issue, D1 Emergency Diesel Generator is declared INOPERABLE.
- The Shift Supervisor directs you to update EOOS by completing H24.1, Phase 1 Risk Assessment Preparation, Appendix A, step 6.6.2, A through D.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-52, PERFORM EOOS CALCULATION, REV. 5

JPM PERFORMANCE INFORMATION

Required Materials: LAN with EOOS Computer.
Consumable copy of H24.1.

General References: H24.1, Phase 1 Risk Assessment Preparation, Appendix A

Task Standards: Examinee determines the updated CDF and LERF for Units 1 and 2.

Start Time:

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: H24.1, App. A, step 6.6.2.A
Critical Y Remove the equipment involved from service on the EOOS Operator’s screen.

Standard: D1 is removed from service. D1 indicates RED on the display.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Performance Step: H24.1, App. A, step 6.6.2.B
Critical N Verify the correct in-service equipment alignment is input in EOOS (System Alignment “parallel valves” toolbar button). This may need to be changed from the default alignment assumed in the planned work risk assessment.

Standard: Examinee verifies the correct in-service equipment alignment is input in EOOS.

Evaluator Cue: When the student identifies the need to check the in-service alignment, inform them that the PRA group has already verified that the alignment is correct.

Performance: SATISFACTORY ☐ UNSATISFACTORY ☐

Comments: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-52, PERFORM EOOS CALCULATION, REV. 5

Performance Step:	H24.1, App. A, step 6.6.2.C
Critical <u>N</u>	If necessary, update the environmental variables for adverse weather conditions, system conditions or switchyard maintenance as directed in Attachment 1.
Standard:	Examinee determines that no update to environmental variables is required.
Evaluator Cue:	When the student refers to Attachment 1, inform them that there is no condition that requires an update to environmental variables.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	H24.1, App. A, step 6.6.2.D
Critical <u>Y</u>	Recalculate the CDF and LERF for both units ("calculators" toolbar button).
Standard:	Examinee recalculates CDF and LERF for the current conditions, (+ or - 0.1). (Unit 1 CDF = 8.12 E^{-5} , Unit 1 LERF = 2.93 E^{-6}) (Unit 2 CDF = 1.34 E^{-5} Unit 2 LEFT = 8.32 E^{-7})
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cue: When the CDF and LERF for Units 1 and 2 are determined, inform the examinee that this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-52, PERFORM EOOS CALCULATION, REV. 5

EOOS Setup

- **Open the EOOS Program (User Name - PI, Password - User)**
- **Remove the 11 TDAFWP from service and recalculate the CDF, LERF, and AOT for Units 1 and 2.**
- **Verify the following EOOS in-service line up:**
 - **11/21 CC Pumps running**
 - **Bus 27 aligned to Bus 25**
 - **11/21 CL Pumps running**
 - **121/123/125 IA and SA compressors running**
 - **11/13-21/23 Charging Pumps running**
 - **Unit 1 seal injection = 11**
 - **Unit 1 seal return = 11**
 - **Unit 2 seal injection = 21**
 - **Unit 2 seal return = 21**
 - **Severe Weather = Normal**
 - **Switch Yard Maintenance = Normal**
 - **System Condition = Normal**

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- Unit 1 is at 100% power.
- 11 TDAFWP is INOPERABLE for planned maintenance.

INITIATING CUES:

- Due to an emergent issue, D1 Emergency Diesel Generator is declared INOPERABLE.
- The Shift Supervisor directs you to update EOOS by completing H24.1, Phase 1 Risk Assessment Preparation, Appendix A, step 6.6.2, A through D.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

**ADMIN-52, PERFORM EOOS CALCULATION, REV. 5
ATTACHMENT 1**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.



JOB PERFORMANCE MEASURE (JPM)

SITE: PRAIRIE ISLAND

JPM TITLE: AUTHORIZE THE INSTALLATION OF A BYPASS

JPM NUMBER: ADMIN-12 REV. 8

RELATED PRA
INFORMATION: NONETASK NUMBERS /
TASK TITLE(S): SS 341 011 03 03 000 / AUTHORIZE BYPASS REMOVAL/PLACEMENT

K/A NUMBERS: 2.2.11 (2.3/3.3)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 10 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☐ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/12/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-12, AUTHORIZE THE INSTALLATION OF A BYPASS, REV. 8

JPM Number: ADMIN-12JPM Title: AUTHORIZE THE INSTALLATION OF A BYPASS

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-12, AUTHORIZE THE INSTALLATION OF A BYPASS, REV. 8**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- You are the Unit 2 SS.
- The U2 Containment Ring Lights has a short and do not turn on.
- An Electrician is asking you to approve a bypass request to lift a lead for the U2 Containment Ring Beacon Light in order to comply with FAA regulations.

INITIATING CUES:

- Approve the bypass using 5AWI 3.9.0, Bypass Control, Section 6.3.5.b.

Print out this bypass request file and give to examinee.



PINGP 981 - ADMIN 12.pdf

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-12, AUTHORIZE THE INSTALLATION OF A BYPASS, REV. 8

JPM PERFORMANCE INFORMATION

Required Materials: Consumable Copy of PINGP 981 file.
Consumable Copy of 5AWI 3.9.0.

General References: 5AWI 3.9.0, Bypass Control.

Task Standards: Examinee signs for authorization and records Bypass Number 51 on PINGP 981 page 2.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical <u>Y</u>	5AWI 3.9.0, Section 6.3.5.b Sign and date the Authorized By section when the subcommittee review described in section 6.2.6 is complete.
Standard:	Examinee determines that 5AWI 3.9.0, section 6.2.6 review is complete then signs and dates the Approved By section under Installation.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-12, AUTHORIZE THE INSTALLATION OF A BYPASS, REV. 8

Performance Step:	IAW 5AWI 3.9.0 step 6.3.5.c
Critical <u>Y</u>	Record the bypass number and record the appropriate entries in the Bypass Index.
Standard:	Examinee records the bypass number on page 2 of PINGP 981.
Evaluator Cue:	<ul style="list-style-type: none">• When Examinee indicates they would go to Bypass Locker, inform the examinee they will use Bypass Number 51.• If examinee indicates they would go to the Bypass Index, inform the examinee that the appropriate entry will be made.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When examinee has signed for authorization and has recorded Bypass Number 51 on page 2 of PINGP 981, then this JPM is complete.

Stop Time: _____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 2 SS.
- The U2 Containment Ring Lights has a short and do not turn on.
- An Electrician is asking you to approve a bypass request to lift a lead for the U2 Containment Ring Beacon Light in order to comply with FAA regulations.

INITIATING CUES:

- Approve the bypass using 5AWI 3.9.0, Bypass Control, Section 6.3.5.b.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-12, AUTHORIZE THE INSTALLATION OF A BYPASS, REV. 8

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date


Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

	JOB PERFORMANCE MEASURE (JPM)
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SITE: PRAIRIE ISLAND

JPM TITLE: AUTHORIZE EMERGENCY RADIATION EXPOSURE

JPM NUMBER: ADMIN-37 **REV.** 3

RELATED PRA INFORMATION: NONE

TASK NUMBERS / TASK TITLE(S): SS 344 023 03 03 000 / DIRECT EMERGENCY RESPONSE FOR THE EMERGENCY DIRECTOR

K/A NUMBERS: 2.3.4 (3.2/3.7)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐

Simulator: ☐ Other: ☒

Lab: ☐

Time for Completion: 15 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: ☒ RO: ☐ NLO ☐

Additional site-specific signatures may be added as desired.

Developed by:	Fredrick Collins	5/13/14
	Developer	Date
Validated by:	Shawn Sarrasin	5/14/14
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:		
	Training Supervisor	Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

JPM Number: ADMIN-37JPM Title: AUTHORIZE EMERGENCY RADIATION EXPOSURE

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT: UNSAT: **COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).****EVALUATOR'S SIGNATURE:** _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3**JPM BRIEFING/TURNOVER**

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- A Large Break LOCA occurred in Unit 1.
- You are the acting Emergency Director.
- There is an injured operator in the 695' level of Unit 1 Auxiliary Building.
- One Operator, Mike Smith, and one Radiation Protection Technician, John Jones, have volunteered to conduct a search and rescue operation.
- Dose rates in Unit 1 Auxiliary Building range between 10 and 75 Rem/hr.
- Each person is expected to receive a dose of 30 Rem during the course of the rescue.
- A Radiation Protection Specialist is available to answer any questions.

INITIATING CUES:

- Complete steps 4 – 7 in Part 1 of PINGP 600, Emergency Exposure Authorization Form, for Mike Smith and John Jones.

Print these two files for Mike Smith and for John Jones and give to examinee.



ADMIN-37 PINGP 600 Mike Smith.PDF



ADMIN-37 PINGP 600 John Jones.PDF

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

JPM PERFORMANCE INFORMATION

Required Materials: Two consumable copies of PINGP 600 with the steps 1-3 and page 2 step 2 completed, one for Mike Smith and one for John Jones.

General References: F3-12, Emergency Exposure Control
F3-11, Search and Rescue

Task Standards: Examinee determines that Mike Smith can be authorized to receive emergency exposure and completes steps 4 - 7 in Part 1 of PINGP 600 for Mike Smith; also determines that John Jones can not be authorized for emergency exposure and does not sign the PINGP 600 for John Jones.

Start Time: _____

NOTE: When providing "Evaluator Cues" to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee's actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a "Y" below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step:	PINGP 600 Step 4.1
Critical <u>N</u>	Woman capable of reproduction has been advised not to take part (Reg. Guide 8.13).
Standard:	Examinee determines that neither person is a woman capable of reproduction. Examinee annotates step 4.1.
Evaluator Note:	Examinee may perform review and authorize one person at a time or both simultaneously.
Evaluator Cue:	If asked, inform the examinee that both persons are male.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

Performance Step:	PINGP 600 Step 4.2
Critical <u>Y</u>	Individual has not received an emergency radiation exposure before.
Standard:	Examinee determines that Mike Smith has not had an emergency radiation exposure but that John Jones has had an emergency exposure and CANNOT participate. Examinee annotates step 4.2.
Evaluator Note:	If examinee determines John Jones cannot be authorized, then it is acceptable to NOT continue Jones' PINGP 600.
Evaluator Cue:	<ul style="list-style-type: none">• If examinee asks about past radiation exposures, as the Radiation Protection specialist, inform examinee that Mike Smith has NOT had an emergency radiation exposure; however, John Jones received a 41 REM emergency dose in 1991.• If directed to find another volunteer, then inform examinee that you will find another volunteer.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	PINGP 600 Step 4.3
Critical <u>N</u>	Dose rates in area known/measurable.
Standard:	Examinee determines dose rates in the Unit 1 Auxiliary Building are 10 – 75 REM/hour. Examinee annotates step 4.3.
Evaluator Cue:	If asked, as RP specialist, inform examinee dose rates in Unit 1 AB are 10-75 REM/hour.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

Performance Step:	PINGP 600 Step 4.4
Critical <u>N</u>	Individual is a Radiation worker or professional rescue person.
Standard:	Examinee determines that Mike Smith is a Radiation worker based on job title. Examinee annotates step 4.4.
Evaluator Cue:	If asked, inform the examinee that the individual is a qualified Radiation worker.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	<hr/>

Performance Step:	PINGP 600 Step 4.5
Critical <u>N</u>	Individual is broadly familiar with radiological consequences of exposure.
Standard:	Examinee determines that individual is familiar with consequences based on page 2 of PINGP 600. Examinee annotates step 4.5.
Evaluator Cue:	If asked, inform the examinee that the individual is familiar with the consequences of exposure.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	<hr/>

Performance Step:	PINGP 600 Step 4.6
Critical <u>N</u>	Protection of Property or Medical/Decontamination.
Standard:	Examinee determines that exposure is a medical mission for rescue of injured operator. Examinee annotates step 4.6.
Evaluator Cue:	If asked, inform the examinee the reason for exposure is a rescue of the injured operator.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	<hr/>

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

Performance Step:	PINGP 600 Step 4.7
Critical <u>Y</u>	May receive >25 rem TEDE, >75 rem LDE or >250 rem for organ or extremity if: 4.7.1 – Saving Human Life 4.7.2 – Protection of Health and Safety of the Public 4.7.3 – Individual SHALL be volunteer
Standard:	Examinee determines mission is to save human life and individual is a volunteer. Examinee annotates steps 4.7, 4.7.1, and 4.7.3. Step 4.7.2 may be marked N/A or left blank.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	PINGP 600 Step 5
Critical <u>N</u>	Authorized limit.
Standard:	Examinee determines the authorized limit is 30 rem for Mike Smith and records limit in step 5.
Evaluator Cue:	If asked, inform the examinee that plant management has authorized 30 rem per individual.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	PINGP 600 Step 6
Critical <u>N</u>	Radiological Emergency Coordinator concurrence signature.
Standard:	Examinee determines the PINGP 600 needs to be signed by the REC.
Evaluator Cue:	If asked, inform examinee that you will sign as REC, then sign Concurrence Signature block for REC.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

Performance Step:

PINGP 600 Step 7

Critical Y

Emergency Director Authorization Signature

Standard:

Examinee signs step 7, ED Authorization Signature.

Performance:

SATISFACTORY ☐ UNSATISFACTORY ☐

Comments:

Terminating Cues:

When the examinee has determined that Mike Smith can be authorized for emergency radiation exposure but John Jones can not and signs step 7 for Mike Smith then the JPM is complete.

Stop Time:

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

TURNOVER SHEET

INITIAL CONDITIONS:

- A Large Break LOCA occurred in Unit 1.
- You are the acting Emergency Director.
- There is an injured operator in the 695' level of Unit 1 Auxiliary Building.
- One Operator, Mike Smith, and one Radiation Protection Technician, John Jones, have volunteered to conduct a search and rescue operation.
- Dose rates in Unit 1 Auxiliary Building range between 10 and 75 Rem/hr.
- Each person is expected to receive a dose of 30 Rem during the course of the rescue.
- A Radiation Protection Specialist is available to answer any questions.

INITIATING CUES:

- Complete steps 4 – 7 in Part 1 of PINGP 600, Emergency Exposure Authorization Form, for Mike Smith and John Jones.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 3

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.