FINAL AS-ADMINISTERED ADMINISTRATIVE JPMS

FOR THE LASALLE EXAMINATION THE WEEK OF NOVEMBER 13, 2000

ComEd
A Unicom Company

Job Performance Measure

Review and Determine if Jet Pump Flow Meets Required Flow

JPM Number: ADM-A.1-1-RO

Revision Number: 02

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

MATERIALS

1. The following material is required to be provided to candidate:
   - Partially filled out LOS-AA-S101, Attachment E.
     - Data should be recorded for jet pumps 1, 2, 3, 11, 12, and 13

       (1) 58 (2) 58 (3) 58 (11) 60 (12) 60 (13) 60
     - Data for jet pump 2 should be outside the allowed value (from jet pump flow curve).
   - Blank copy of LOS-AA-S101, Rev 4.

5. The following material is required to be available to candidate:
   - Current Unit 1 Recirculation System curves. This book is located on the Unit 1 NSO's desk in the simulator or in the control room.

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is near rated conditions.
- Recirculation Loop flows are as follows:
  - A loop flow 38,500 gpm
  - B loop flow 39,000 gpm
- You are the Unit NSO.
- The Rounds Operators just completed a partial surveillance of LOS-AA-S101, Attachment E.

INITIATING CUE

The Unit Supervisor has directed you to check that the Jet Pump differential pressures recorded versus current recirculation loop flow fall within curves.

Inform the Unit Supervisor of your determination for each jet pump.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note:	The following steps are performed utilizing the jet pump curves found on the Unit NSO's desk.				
1.	Determine current recirculation loop flows.	Candidate determines current recirculation loop flows from meters on 1H13-P602.	___	___	___
2.	Check Jet Pump differential #1 pressure from Attachment E vs. Jet Pump #1 curve.	Candidate checks Jet Pump # 1 differential pressure from Attachment E vs. Jet Pump # 1 curve and determines dP is within limits.	___	___	___
*3.	Check Jet Pump # 2 differential pressures from Attachment E vs. Jet Pump #2 curve.	Candidate checks Jet Pump # 2 differential pressure from Attachment E vs. Jet Pump # 2 curve and determines dP is NOT within limits.	___	___	___
4.	Check Jet Pump # 3 differential pressures from Attachment E vs. Jet Pump #2 curve.	Candidate checks Jet Pump # 3 differential pressure from Attachment E vs. Jet Pump # 3 curve and determines dP is within limits.	___	___	___
5.	Check Jet Pump # 11 differential pressures from Attachment E vs. Jet Pump #2 curve.	Candidate checks Jet Pump # 11 differential pressure from Attachment E vs. Jet Pump # 11 curve and determines dP is within limits.	___	___	___
6.	Check Jet Pump # 12 differential pressures from Attachment E vs. Jet Pump #2 curve.	Candidate checks Jet Pump # 12 differential pressure from Attachment E vs. Jet Pump # 12 curve and determines dP is within limits.	___	___	___
7.	Check Jet Pump # 13 differential pressures from Attachment E vs. Jet Pump #2 curve.	Candidate checks Jet Pump # 13 differential pressure from Attachment E vs. Jet Pump # 13 curve and determines dP is within limits.	___	___	___

Job Performance Measure (JPM)

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
*8.	Inform the Unit Supervisor that: • Jet pump # 2 did NOT meet required differential pressure. • Jet pumps #1, 3, 11, 12, and 13 did meet required differential pressure.	Candidate informs the Unit Supervisor that: • Jet pump # 2 did NOT meet required differential pressure. • Jet pumps #1, 3, 11, 12, and 13 did meet required differential pressure.	___	___	___

Terminating Cue	Acknowledge the report. The JPM is considered complete at this time.

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Log Technical Specification Timeclocks

JPM Number: ADM-A.1-2-RO

Revision Number: 03

Date: 11/03/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

MATERIALS

1. The following material is required to be provided to examinee:

   - IM Surveillance LIS-WS-301, Unit 1 Service Water Effluent Radiation Monitor Functional Test, Rev 4 (marked as completed up to step E.1.4)

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is near rated conditions.
- You are the Unit NSO.
- The IBM computer system is down due to a server problem.
- An Instrument Maintenance worker is ready to start LIS-WS-301 (which is on the schedule).
- The procedure is complete up to Step E.1.4.

INITIATING CUE

Authorize the surveillance, enter the necessary information in the unit log (use blank sheet or scrap paper) and inform the Unit Supervisor when the timeclock has been started.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
1.	Review details of surveillance's interface with plant provided on Attachment B.	Details of surveillance's interface with plant, provided on Attachment B, is reviewed.	___	___	___
2.	VERIFY Timeclock recorded in Step E.1.3.3 is correct.	Timeclock recorded in Step E.1.3.3 is verified to be correct.	___	___	___
Note	Steps 3, 4, and 5 may occur in either order.				
Note	The candidate may identify annunciators by placing a sticker on the affected windows.				
*3.	AUTHORIZE start of surveillance.	Time of authorization entered and initialed and dated.	___	___	___
*4.	Log entry made denoting start of surveillance.	Enters procedure number and start time in the Unit Log.	___	___	___
Cue:	As IM, acknowledge authorization. Wait until the NSO has made the log entry and then: NOTIFY Unit NSO that the timeclock for Service Water Effluent Radiation Monitor 1D18-K608 must be started.				
*5.	Log time clock in Unit Log.	Enters procedure number and Technical Specification start time in the Unit Log.	___	___	___
6.	Inform Unit Supervisor of Technical Specification timeclock start.	Unit Supervisor notified.	___	___	___
Terminating Cue	Acknowledge information. The JPM is considered complete at this time.				

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Review an Out of Service

JPM Number: ADM-A.2-RO

Revision Number: 01

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

Materials

1. The following material is required to be provided to examinee:
   - A prepared POOS package ready for Second Verification with errors containing:
     - An OOS request including the EPN, fictitious WR number, isolation type (mechanical), and total work scope.
     - Data pages for equipment to be tagged.
     - 11x17 P&ID of equipment.
5. The following material is required to be available:
   - A copy of OP-AA-101-201 (available in simulator).

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is at rated conditions.
- You are an Extra NSO.
- The EWCS system is unavailable and will not be working for the rest of your shift.

INITIATING CUE

The Work Execution Center Supervisor directs you to perform the second approval a POOS for cleaning the CY Jockey Pump suction strainer.

Inform the Work Execution Center Supervisor when the review is complete or if revision is required.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note	The candidate may review OP-AA-101-201, Station Equipment Out of Service, prior to and/or during the review.				
1.	Review OOS request to determine scope.	OOS request reviewed.	___	___	___
Note	The candidate may identify the error prior to filling out (initialing) Attachment 4 and return it to the WEC supervisor.				
2.	Utilize Attachment 4, Hang Activity Preparer's Checklist.	Attachment 4, Hang Activity Preparer's Checklist utilized.	___	___	___
*3.	ENSURE an adequate zone of protection is provided for all attached work request tasks, and that Boundary Verification and sequencing are correct.	Candidate determines that zone of protection is NOT adequate.	___	___	___
*4.	RETURN for revision or REVISE the OOS if discrepancies are identified.	Candidate returns POOS to Work Execution Center Supervisor identifying the need to have the minimum flow valve (1CY016) closed as part of the isolation.	___	___	___
Terminating Cue	Acknowledge report. If the candidate simply states that the POOS is insufficient, ask for him/her to explain what needs to be changed. The JPM is considered complete at this time.				

JPM Stop Time:

ComEd

A Unicom Company

Job Performance Measure

Determine Prerequisites For Performing A Containment Purge Are Not Met

JPM Number: ADM-A.3-RO

Revision Number: 02

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This JPM should be run from a cold shutdown IC.

   NOTE: It is okay to use a similar IC to the IC listed above, provided the IC actually used is verified to be compatible with this and other JPMs that are scheduled to be run concurrently.

2. Start Unit 1 Primary Containment Vent and Purge System per LOP-VQ-02.

3. This completes the setup for this JPM.

Job Performance Measure (JPM)

Materials

1. The following procedure(s) is(are) required to be available should the candidate request it:

   - LOP-VQ-04, Special Operations/Modes of the Primary Containment Vent and Purge System

2. The following is required to be provided to the candidate with the initial conditions sheet:

   - A marked up copy of an ODCM that will have expired prior to administration of the JPM.

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is in cold shutdown.
- You are an Assist NSO.
- The Unit 1 Primary Containment Vent and Purge System has been started per LOP-VQ-02.
- The DW Equipment Hatch is closed.

INITIATING CUE

The Unit Supervisor has directed you to purge the drywell IAW LOP-VQ-04.

Inform the Unit Supervisor when the purge has been initiated.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

This JPM may be performed in the simulator or the Control Room.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
1.	Obtain copy of procedure.	Procedure identified and copy made/requested.	___	___	___
2.	VERIFY Section E.1 complete	Section E.1 determined to be complete.	___	___	___
3.	VERIFY the unit is in Operating Condition 4, 5 or Defueled OR enter the ACTION requirement of Tech Spec 3.6.1.8.	Unit determined to be in Operating Condition 4.	___	___	___
Note	If the candidate identifies the invalid ODCM prior to making the log entry, Step 4 is not applicable.				
4.	RECORD the following in the Control Room Log: • Receipt of an ODCM for the applicable unit. • Time and date that the ODCM expires.	Control Room Log entries made for: • Receipt of an ODCM • Expiration date for ODCM	___	___	___
*5.	Determine that the ODCM expiration date has passed.	Expiration of ODCM determined.	___	___	___
*6.	Procedure stopped and Unit Supervisor notified of expired ODCM.	Procedure stopped and Unit Supervisor notified prior to opening 1VQ034, DW Vent/Purge Otlt Upstrm Isol Vlv.	___	___	___
Terminating Cue	Acknowledge report. The JPM is considered complete at this time.				

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Calculate the Actual Drywell Gross Gamma Radiation Values in Post-Accident Conditions

JPM Number: ADM-A.4-RO

Revision Number: 02

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

Materials

1. The following material is required to be provided to examinee:
   - A clean copy of LZP-1330-70.
   - A calculator.

Job Performance Measure (JPM)

INITIAL CONDITIONS

- You are an Extra NSO.
- Unit 1 is has suffered a major accident.
- The reactor scrammed last night at 11:30 PM.
- Drywell Gross Gamma Radiation is indicating 25 R/hr.
- It is currently 2:15 PM.

INITIATING CUE

The Unit Supervisor has directed you to calculate the actual drywell gross gamma radiation values by performing Attachment B of LZP-1330-70.

Provide the Unit Supervisor the attachment when complete.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Uncorrected radiation level times correction factor = corrected radiation level

25 X (1.834) = 45.85

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note	Provide the candidate a clean copy of LZP-1330-70 and calculator after the candidate locates the items.				
*1.	Determine the elapsed time from the time the reactor was shutdown to now. This is defined as 'Time'.	'Time' determined to be: **14 to <16 hr.**	___	___	___
2.	RECORD the 'Time' in Attachment B Item 1.	'Time' recorded on Attachment B Item 1.	___	___	___
*3.	DETERMINE the correction factor from the table of Attachment A using the time determined from Step E.1.	Correction factor determined to be **1.834**.	___	___	___
*4.	Record the correction factor in Attachment B, Item 2.	Correction factor recorded on Attachment B, Item 2.	___	___	___
5.	Record drywell gross gamma radiation value in Attachment B, Item 3.	Drywell gross gamma radiation recorded in Attachment B, Item 3. **(25)**	___	___	___
*6.	MULTIPLY the value from the gross gamma drywell radiation monitor by the correction factor.	Gross gamma drywell radiation monitor multiplied by the correction factor. **(45.85)**	___	___	___
7.	RECORD in Attachment B, Item 4 the corrected gross gamma drywell radiation level.	Corrected gross gamma drywell radiation level recorded in Attachment B, Item 4.	___	___	___
8.	Complete Attachment B.	Name, Date, and Time entered on Attachment B.	___	___	___
9.	Notify Unit Supervisor.	Unit Supervisor notified of the corrected gross gamma drywell radiation level.	___	___	___
Terminating Cue	Acknowledge report. The JPM is considered complete at this time.				

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Review and Determine if Jet Pump Flow Meets Required Flow

JPM Number: ADM-A.1-1-SRO

Revision Number: 03

Date: 11/03/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

MATERIALS

1. The following material is required to be provided to candidate:
   - Partially filled out LOS-AA-S101, Attachment E.
     - Data should be recorded for jet pumps 1, 2, 3, 11, 12, and 13

       (1) 58 (2) 58 (3) 58 (11) 60 (12) 60 (13) 60
     - Data for jet pump 2 should be outside the allowed values (from jet pump flow curves).

4. The following material is required to be available to candidate:
   - Current Unit 1 Recirculation System curves. This book is located on the Unit 1 NSO's desk in the simulator or in the control room.

ADM-A.1-1-SRO

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is near rated conditions.
- Recirculation Loop flows are as follows:
  - A loop flow 38,500 gpm
  - B loop flow 39,000 gpm
- You are the Unit 1 Supervisor.
- The Rounds Operators just completed a partial surveillance of LOS-AA-S101, Attachment E following calibration of the meters.
- The NSO checked the Jet Pump differential pressures recorded versus current recirculation loop flows.

INITIATING CUE

The Shift Manager has directed you to independantly check the data.

Inform the Shift Manager of your findings.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note:	The following steps are performed utilizing the jet pump curves found on the Unit NSO's desk.				
1.	Obtains Recirculation Loop flow book from Unit 1 NSO desk..	Unit 1 Recirc Loop Flow book obtained.	___	___	___
2.	Check Jet Pump differential #1 pressure from Attachment E vs. Jet Pump # 1 curve.	Candidate checks Jet Pump # 1 differential pressure from Attachment E vs. Jet Pump # 1 curve and determines dP is within limits.	___	___	___
*3.	Check Jet Pump # 2 differential pressures from Attachment E vs. Jet Pump # 2 curve.	Candidate checks Jet Pump # 2 differential pressure from Attachment E vs. Jet Pump # 2 curve and determines dP is NOT within limits.	___	___	___
4.	Check Jet Pump # 3 differential pressures from Attachment E vs. Jet Pump # 3 curve.	Candidate checks Jet Pump # 3 differential pressure from Attachment E vs. Jet Pump # 3 curve and determines dP is within limits.	___	___	___
5.	Check Jet Pump # 11 differential pressures from Attachment E vs. Jet Pump # 11 curve.	Candidate checks Jet Pump # 11 differential pressure from Attachment E vs. Jet Pump # 11 curve and determines dP is within limits.	___	___	___
6.	Check Jet Pump # 12 differential pressures from Attachment E vs. Jet Pump # 12 curve.	Candidate checks Jet Pump # 12 differential pressure from Attachment E vs. Jet Pump # 12 curve and determines dP is within limits.	___	___	___
7.	Check Jet Pump # 13 differential pressures from Attachment E vs. Jet Pump # 13 curve.	Candidate checks Jet Pump # 13 differential pressure from Attachment E vs. Jet Pump # 13 curve and determines dP is within limits.	___	___	___

Job Performance Measure (JPM)

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
*8.	Inform the Shift Manager that jet pump 2 did not meet required differential pressure.	Candidate informs the Shift Manager that jet pump 2 did not meet required differential pressure. All other jet pumps (1, 3, 11, 12 & 13) met the required differential pressure.	___	___	___

Terminating Cue	Acknowledge the report. If the candidate does not provide specifics, as the Shift Manger, request specific pass/fail information for each jet pump tested. The JPM is considered complete at this time.

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Determine Reporting Requirements

JPM Number: ADM-A.1-2-SRO

Revision Number: 02

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

Materials

1. The following procedures are required to be available should the candidate request it:

   - Commonwealth Edison Reportability Manual (CECORM)
   - LOP-RT-02, Reactor Water Clean-up System (RWCU) – Startup and Pump Transfer, Rev 24
   - NSP-OP-AA-101-501, NGG Significant Event Reporting, Rev 0

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 is near rated conditions.
- It is a normal working day.
- You are the Shift Manager.
- Reactor Water Cleanup was being returned to service following maintenance.
- The RWCU inlet isolation valves (1G33-F004 and 1G33-F001) isolated on High Flow immediately upon opening.
- The valves were opened in accordance with LOP-RT-02.
- A plant operator reported that the A RWCU Non Regenerative Hx Tube Side Relief Valve, 1G33-F341A, appears to be stuck open.
- The SOS has agreed that the event is reportable under SAF 1.12 as a 4 hour ENS notification to the NRC.

INITIATING CUE

The Shift Operating Superintendent has directed you to determine the station and corporate communication requirements, if any, of this event.

Inform the Shift Operating Superintendent when you have completed your determination.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
*1.	Determine reporting requirements IAW OP-AA-101-501.	Notification of following individuals determined to be required: • Senior Resident Inspector • Nuclear Duty Officer • Station Manager • Operations Manager • Regulatory Assurance Manager	___	___	___
2.	Shift Operating Superintendent notified.	Shift Operating Superintendent informed notification requirements determination made.	___	___	___

Terminating Cue	Acknowledge report. The JPM is considered complete at this time.

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Determine Post Maintenance Testing For Work Performed Is Not Adequate

JPM Number: ADM-A.2-SRO

Revision Number: 01

Date: 08/01/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This JPM does not require the use of the simulator

Job Performance Measure (JPM)

Materials

1. The following procedure(s) is(are) required to be available should the candidate request it:

   - MA-AA-AD-6-03009, Work Execution & Closeout
   - LMP-DG-03, Diesel Generator Air Start Motor Replacement

3. The following is required to be provided to the candidate with the initial conditions sheet:

   - Screen print or equivalent of TIMM130 panel for "Post Maintenance Testing" information.
   - Screen print or equivalent of TIMM121 panel for "Trouble Found/Work Performed" information

Job Performance Measure (JPM)

INITIAL CONDITIONS

- You are the Unit 1 Supervisor.
  - Work was recently completed on the 1A Diesel Generator.
  - The work package, WR 20000XXX, has been routed to OPS for closeout.

INITIATING CUE

The Shift Manager has directed you to review the work package in EWCS and determine if the specified PMT is appropriate for the work performed.

Inform the Shift Manager of your findings.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The critical step of this JPM is for the candidate to determine that the PMT identified is not sufficient. The basis for the decision is asked to determine the thought process of the candidate but in itself is not critical.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note	The candidate may request a copy of MA-AA-AD-6-03009 and/or a copy of LMP-DG-03				
1.	Obtain "Work Performed" and "PMT" information for WR 200000XXX.	"Work Performed" and "PMT" information for WR 200000XXX requested.	___	___	___
2.	Review "Work Performed" on 121 panel	"Work Performed" reviewed	___	___	___
3.	Review "PMT" on 121 panel	"PMT" reviewed	___	___	___
*4.	Evaluate if PMT is appropriate for work performed.	Identify that PMT is NOT appropriate for work performed.	___	___	___
Note	Replacement of air start motors would require a functional test which would include a start of the 1A DG.				
5.	Shift Manager notified.	Shift Manager notified that PMT is NOT appropriate for the work performed and reason why.	___	___	___
Terminating Cue	Acknowledge report. IF the candidate does NOT state the reason for his determination that the PMT is not appropriate, as the Shift Manager ask why the PMT is NOT appropriate (see note above for reason). The JPM is considered complete at this time.				

JPM Stop Time:

ComEd
A Unicom Company

Job Performance Measure

Determine if a Release to the Environment is Occurring

JPM Number: ADM-A.3-SRO

Revision Number: 03

Date: 11/03/2000

Developed By:

Instructor **Date**

Approved By:

Operations Representative **Date**

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This JPM can be run with or without the simulator. If it is to be performed using the simulator, this JPM should be run from a post accident condition that would make elevated reactor/turbine building radiation levels practical.

   NOTE: It is okay to use a different IC from the IC described above, provided the IC actually used is verified to be compatible with this and other JPMs that are scheduled to be run concurrently.

2. If simulator will provide instrument indications:

   a. Start Unit 1 Standby Gas Treatment Train.

   b. Verify Reactor Building and/or Turbine Building ventilation is running.

   c. Override SVS WRGM Effluent (0D18-R522) to indicate $\approx 6.2\ E^5\ \mu$Ci/SEC.

   d. Override SBGT WRGM Effluent (0D18-R520) to indicate $\approx 1.3\ E^5\ \mu$Ci/SEC.

3. If handouts will provide instrument indications:

   a. Create drawing/digital image of SVS WRGM Effluent recorder (0D18-R522) indicating $\approx 6.2\ E^5\ \mu$Ci/SEC.

   b. Create drawing/digital image of SBGT WRGM Effluent recorder (0D18-R520) indicating $\approx 1.3\ E^5\ \mu$Ci/SEC.

4. This completes the setup for this JPM.

Job Performance Measure (JPM)

Materials

1. The following procedure(s) is(are) required to be available should the candidate request it:

   - LZP-1210-2, Nuclear Accident Reporting System (NARS) Form.

2. The following information must be made available to the student either by use of instruments in the simulator, or by equivalent handouts:

   - An instrument indication of 6.2 E^5 μCi/SEC on 0D18-R522, Station Vent Stack Wide Range Monitor Recorder

   - An instrument indication of 1.3 E^5 μCi/SEC on 0D18-R520, SBGT Wide Range Noble Gas Monitor

Job Performance Measure (JPM)

INITIAL CONDITIONS

- You are an extra SRO in the Control Room.
- On Unit 1, a serious plant accident has resulted in the failure of multiple fission product and containment barriers.
- No liquid release is suspected and environmental samples are not yet available.

INITIATING CUE

The Shift Manager is preparing an initial NARS message form and has asked you to determine if a release is OCCURRING. He wants you to include the release rate when you report back to him.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
Note	The candidate may review LZP-1210-2 but it is not a requirement.				
Note	If asked, report that the mid/high range sample pump is running.				
Cue	If handouts will be used for instrument values, when candidate seeks value for 0D18-R520 or 0D18-R522, provide applicable handout. If candidate seeks readings from other instruments, they are as indicated (if using simulator), or unavailable (not using simulator).				
1.	Obtain release rate value from Station Vent Stack Wide Range Gas Monitor	Release rate value determined to be 5.3 E^5 μCi/SEC, +2.7/-0.0 E^5 μCi/SEC. (5.3 E^5 to 8.0 E^5 μCi/SEC)	___	___	___
Note	If asked, report that the mid/high range sample pump is running.				
2.	Obtain release rate value from Standby Gas Treatment System Wide Range Gas Monitor	Release rate value determined to be 1.2 E^5 μCi/SEC, +1.3/-0.0 E^5 μCi/SEC. (1.2 E^5 to 2.5 E^5 μCi/SEC)	___	___	___
3.	Sum the two values obtained in the previous step.	Total Gaseous Release rate value determined to be 6.5 E^5 μCi/SEC, +4.0/-0.0 E^5 μCi/SEC. (6.5 E^5 to 1.05 E^6 μCi/SEC)	___	___	___
*4.	Determine if a release is OCCURRING as defined in LZP-1210-2, Attachment A.	Candidate determines that a release IS OCCURRING because monitored release rate meets or exceeds 6.5 E^5 μCi/SEC.			
*5.	Shift Manager notified.	Shift Manager notified of: • release OCCURRING. • value of release rate.	___	___	___
Terminating Cue	Acknowledge report. The JPM is considered complete at this time.				

JPM Stop Time:

ComEd

A Unicom Company

Job Performance Measure

Determine PARS And Fill Out a NARS Form for Transmittal

JPM Number: ADM-A.4-SRO

Revision Number: 02

Date: 10/25/00

Developed By:

Exam Author **Date**

Approved By:

Operations Department **Date**

Job Performance Measure (JPM)

Materials

1. The following material is required to be provided to examinee:

   a. One copy of each of the following, (after demonstrating knowledge of location of controlled copy):

      - LZP-1200-5
      - LZP-1210-2

   a. One NARS form or a photocopy of a NARS form.

Job Performance Measure (JPM)

INITIAL CONDITIONS

- Unit 1 experienced a small LOCA in the B RR loop.
- The Rx scrammed and all rods are full in.
- Drywell pressure is stable at 4 psig.
- All required PCIS isolations are complete.
- Rx pressure is at 800 psig and lowering at 2 psig/min due to the leak.
- Rx level is being maintained at 36 inches with the MDRFP.
- Containment rad levels have risen to 2100 R/Hr.
- The wind direction is from 295 degrees and the indicated speed is 6 mph.
- U-1 SBGT is running maintaining reactor building dP at -0.3 inch H_2O.
- Stack WRGM reading is 7.8 E2 µCi/sec.
- SBGT WRGM reading is 6.5 E2 µCi/sec.
- The A-Model is NOT available.
- The ENS communicator will fill out the ENS worksheet.

INITIATING CUE

As the acting station director you just have correctly classified the GSEP event as Site Emergency, EAL FS1.

- Determine the Protective Action Recommendations for offsite personnel.
- Prepare a Nuclear Accident Reporting System (NARs) form for transmittal by a GSEP communicator.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes CRITICAL steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable

Job Performance Measure (JPM)

for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time:

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
1.	Obtain copy of LZP procedures.	Examinee demonstrates where LZPs can be obtained.	___	___	___
CUE	After examinee demonstrates where LZPs can be obtained, provide examinee with copy of LZP-1200-5 and LZP-1210-2.				
2.	Obtain blank NARS form.	Examinee demonstrates where NARS forms can be obtained.	___	___	___
CUE	After examinee demonstrates where NARS forms can be obtained, provide examinee with a NARS form or photocopy of a NARS form.				
3.	Utilize LZP-1200-5 to determine which attachment(s) to use to determine PAR	Utilize LZP-1200-5 and determines that PARS should be determined using LZP-1200-5, Attachment A.	___	___	___
Note	The following step can be performed at any time prior to filling out Block 9 on the NARS form.				
*4.	Utilize LZP-1200-5 Attachment A to determine PARS	Starts at Site Emergency block • Answers NO to "Is an UNMONITORED Release in progress?" • Answers NO to "IS a monitored release rate ≥6.5 E5 µCi/sec in progress" • Answers YES to "Is the Criteria of FS1 met?" • Determine PAR = (S) S) S) [9C,D,F & G]	___	___	___

Job Performance Measure (JPM)

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
5.	RECORD information used to determine PARS in the Shift Manager's Log or GSEP Log Book as appropriate.	Examinee makes log entry.	___	___	___
CUE	You have made the log entry.				
6.	RECORD PARS on NARs Form and ENS Worksheet	Examinee records PARS on NARs form.	___	___	___
CUE	The ENS communicator has recorded the information on the ENS worksheet.				
Note	Items 7 through 18 may be performed in any order. The critical portion of the item, if applicable, is that the form is filled out properly, not the order in which the form is filled out.				
7.	In Utility Message block write 1.	Examinee writes the number 1 in Utility Message block	___	___	___
8.	In Item 1, circle C.	Examinee circles Item 1 C	___	___	___
9.	In Item 2, circle B.	Examinee circles Item 2 B	___	___	___
10.	In Item 3, circle C	Examinee circles Item 3 C	___	___	___
*11.	In Item 4, write (time & date) and EAL FS1	Examinee writes (time & date) and FS1 in Item 4	___	___	___
12.	In ACCIDENT TERMINATED section write N/A in each blank	Examinee writes N/A in each blank of ACCIDENT TERMINATED section	___	___	___
13.	In Item 5, circle B.	In Item 5, circle B.	___	___	___
14.	In Item 6, circle B.	Examinee circles Item 6 B	___	___	___
15.	In Item 7, write 295/F.	Examinee writes 295/F in Item 7	___	___	___
16.	In Item 8 B, write 6.	Examinee circles and writes 6 in Item 8 B	___	___	___
*17.	In Item 9, circle C, D, F and G. and writes "EFG" in the blanks associated with F and G	Examinee circles C, D, F and G in item 9 and writes "EFG"in blanks associated with F and G	___	___	___

Job Performance Measure (JPM)

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
18.	In Item 10, write none or N/A or some additional information	Examinee writes none or N/A or some additional information in Item 10	___	___	___
19.	Initial and time the approval block	Examinee initials and times the Approved By block	___	___	___
20.	Give completed NARS form to communicator	Examinee gives completed NARS form to examiner.	___	___	___
Cue	The JPM is considered complete at this time.				

JPM Stop Time: