

Exelon Nuclear

Job Performance Measure

Review and Determine if Jet Pump Flow Meets Required Flow

JPM Number: A-SRO-07

Revision Number: 04

Date: 7 / 24 / 2020

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Reviewed By: _____
Operations Representative Date

Approved By: _____
Training Department Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
 Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

SME / Instructor	Date
SME / Instructor	Date
SME / Instructor	Date

Revision Record (Summary)

SIMULATOR SETUP INSTRUCTIONS

1. Simulator is not required for this JPM
2. The following material is required to be provided to candidate:
 - Blank copy of LOS-AA-S101 Section E.1.5 available.
3. 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.

INITIAL CONDITIONS

You are the Unit Supervisor,

- Unit 1 is near rated conditions.
- Recirculation Loop flows are as follows:
 - o A loop flow 38,500 gpm
 - o B loop flow 39,000 gpm
- The Unit NSO has taken the following jet pump readings:

Jet Pump	Flow
1	4.4
2	4.0
3	4.5
11	4.6
12	4.3
13	4.4

INITIATING CUE

The Shift Manager has directed you to independently 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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	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 #1 flow 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 flow 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 flow 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 flow 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 flow 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 flow 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.	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*8	Inform the Shift Manager that jet pump 2 did not meet required limits.	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 limits.	—	—	—
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. JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Review and Determine if Jet Pump Flow Meets Required Flow

JPM Number: A-SRO-07 Revision Number: 04

Task Number and Title: Review and Determine if Jet Pump Flow Meets Required Flow 656.020 During performance of tasks, apply the administrative requirements of Unit 1 Shiftly Surveillance IAW LOS-AA-S101

K/A Number and Importance: 2.1.25 4.2 Ability to interpret reference materials, such as graphs, curves, tables, etc.

Suggested Testing Environment: Simulator

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): LOS-AA-S101, Unit 1 Shiftly Surveillance, Rev. 111

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

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

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

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

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date:** _____

INITIAL CONDITIONS

You are the Unit Supervisor,

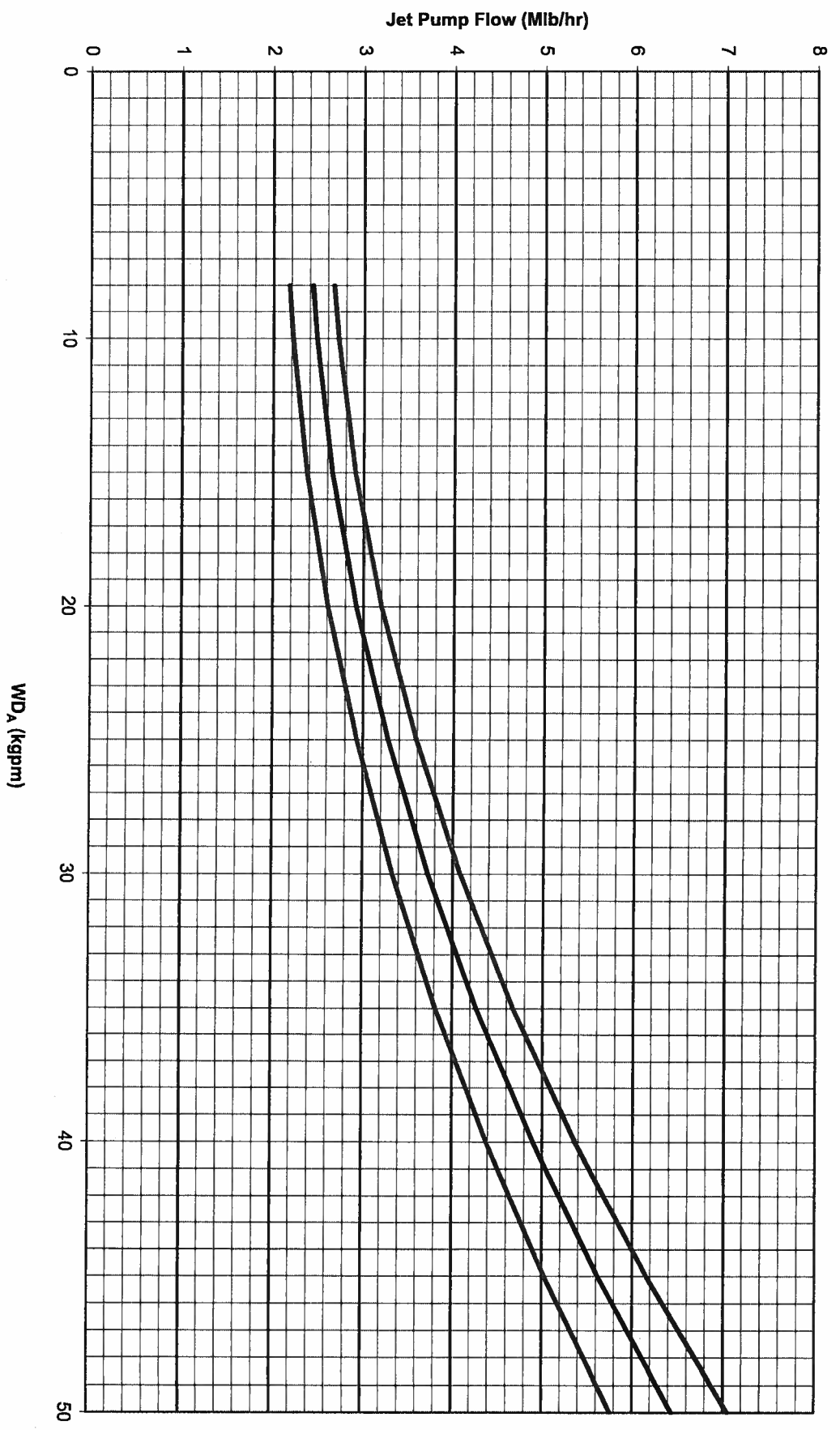
- Unit 1 is near rated conditions.
- Recirculation Loop flows are as follows:
 - o A loop flow 38,500 gpm
 - o B loop flow 39,000 gpm
- The Unit NSO has taken the following jet pump readings:

Jet Pump	Flow
1	4.2
2	3.8
3	4.5
11	4.6
12	4.3
13	4.4

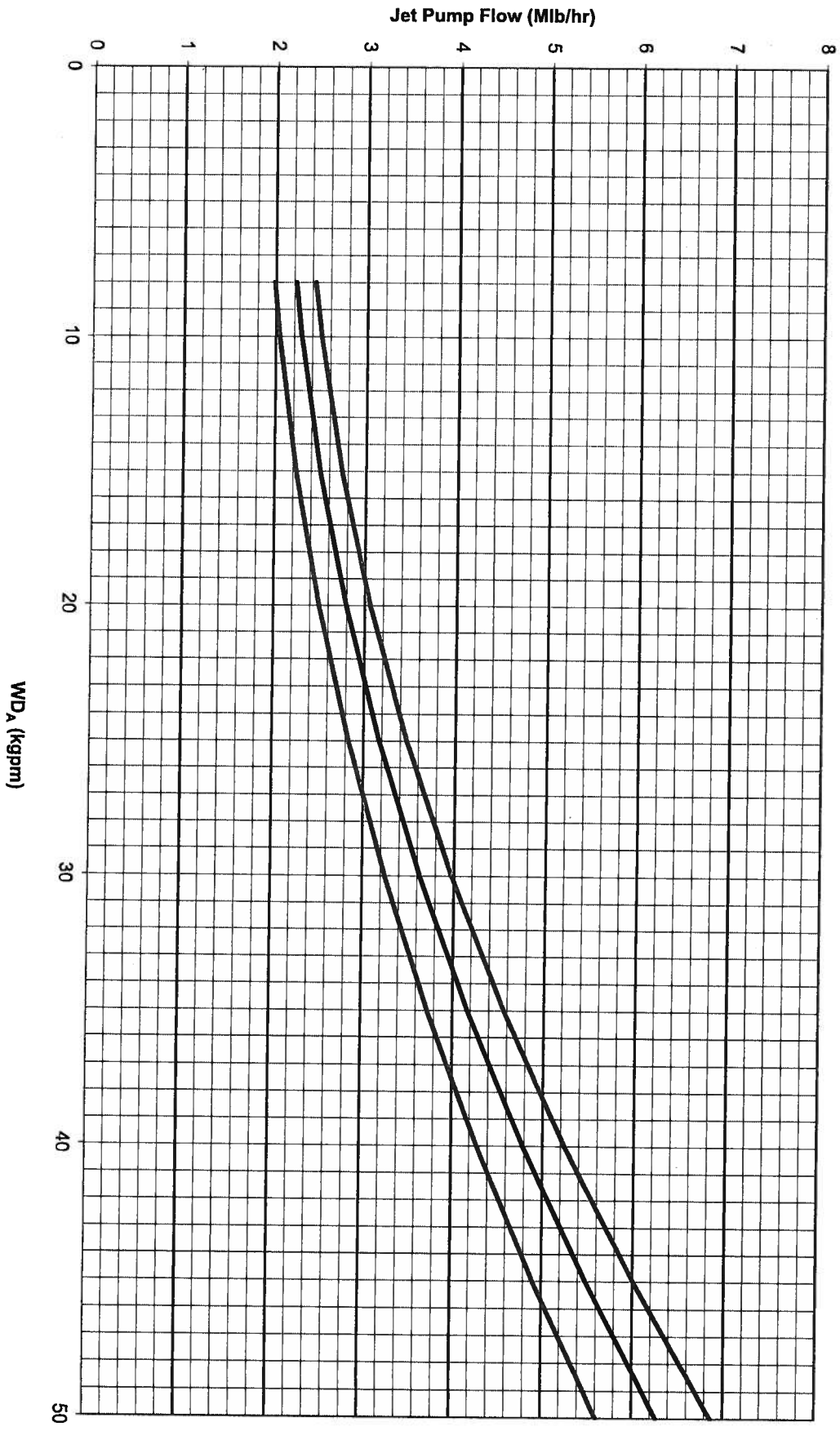
INITIATING CUE

The Shift Manager has directed you to independently check the data. Inform the Shift Manager of your findings.

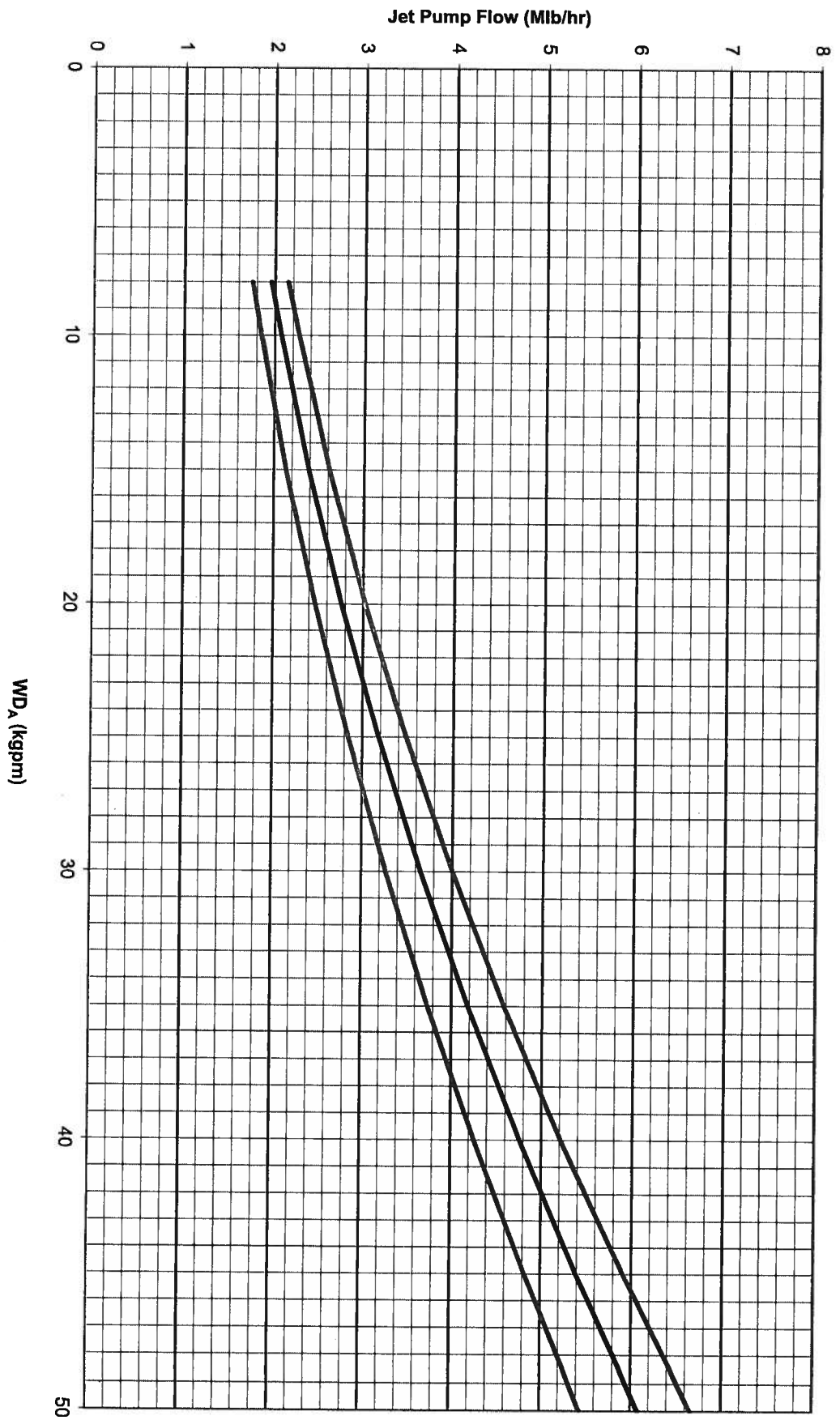
LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 01



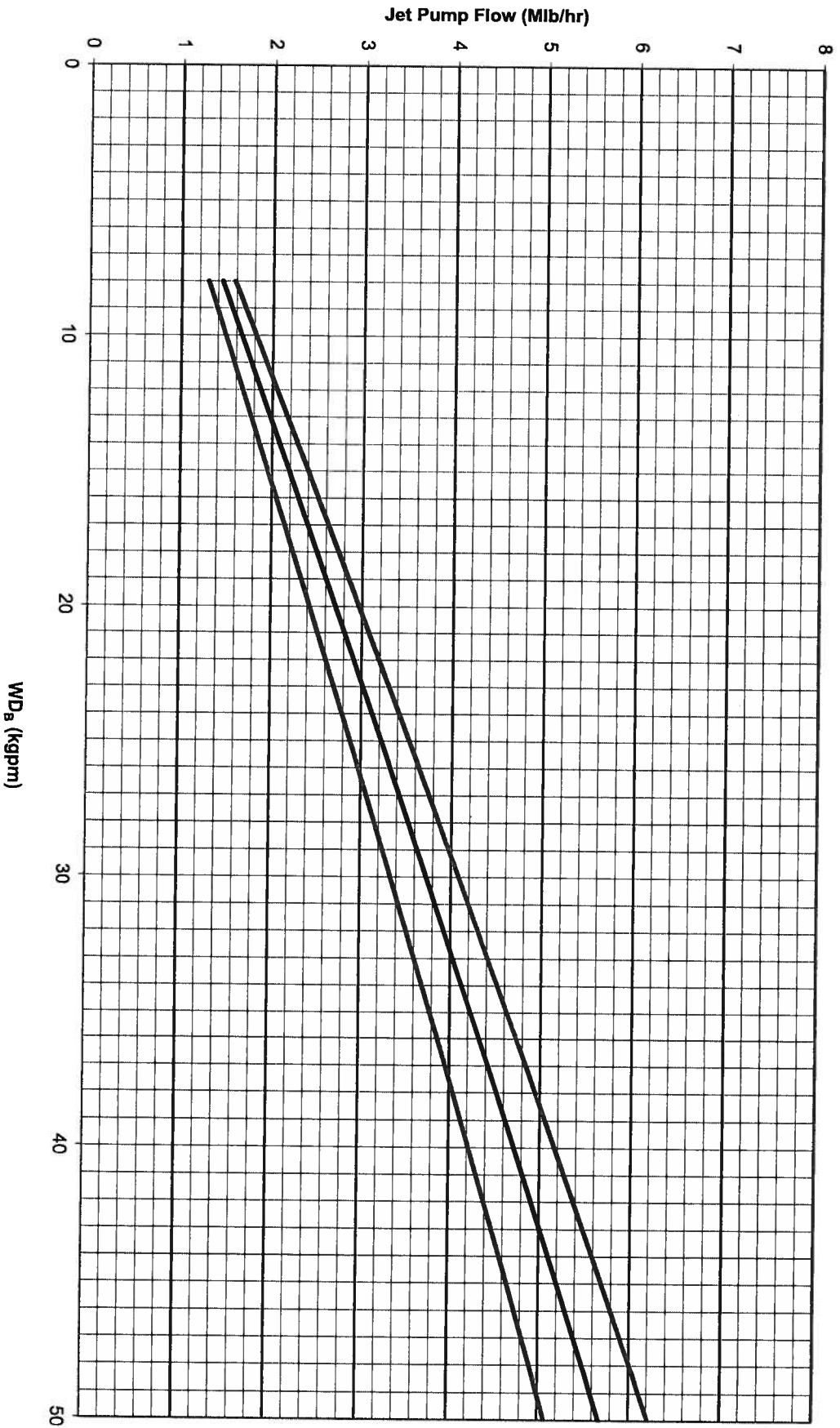
LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 02



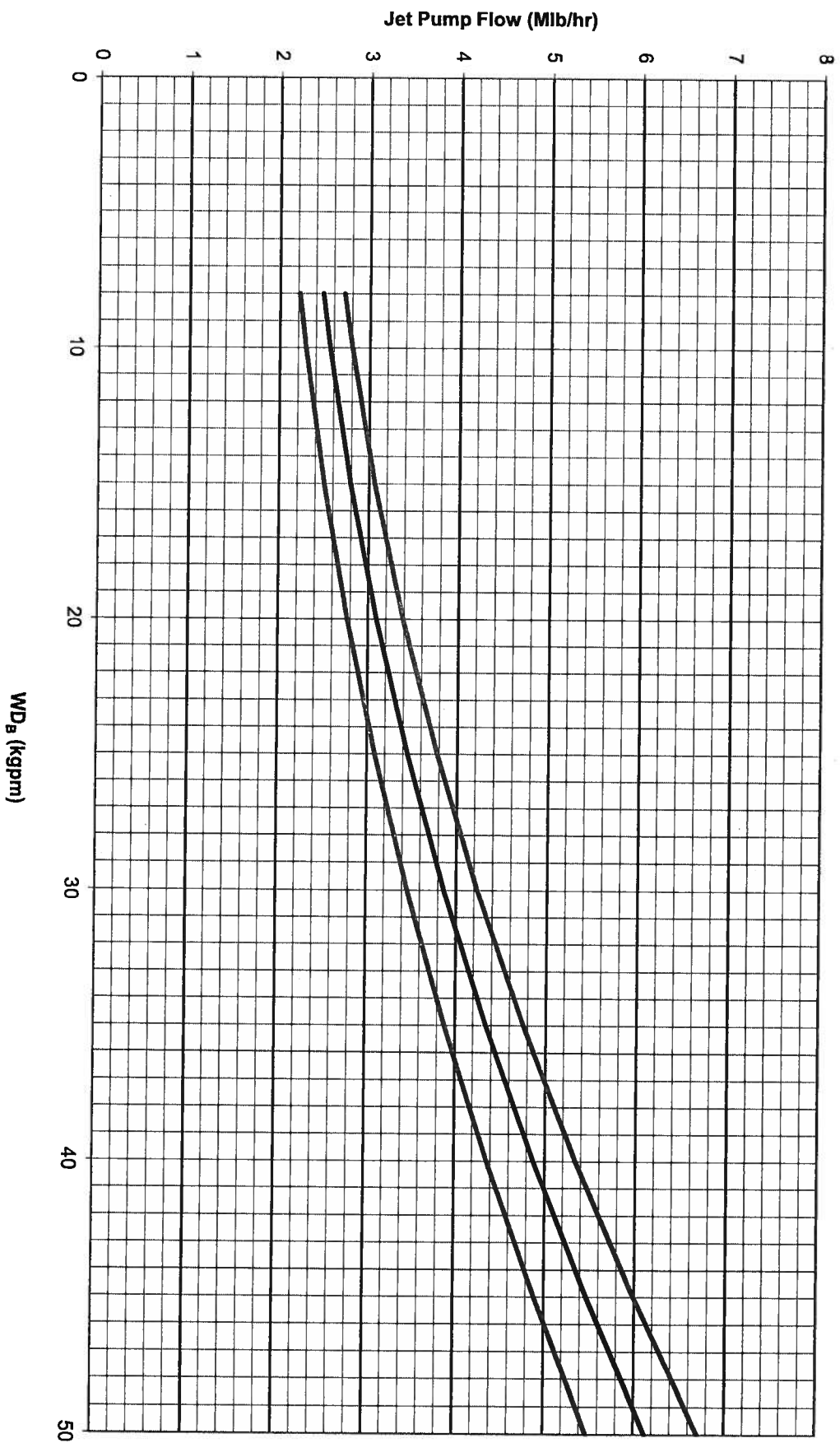
LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 03



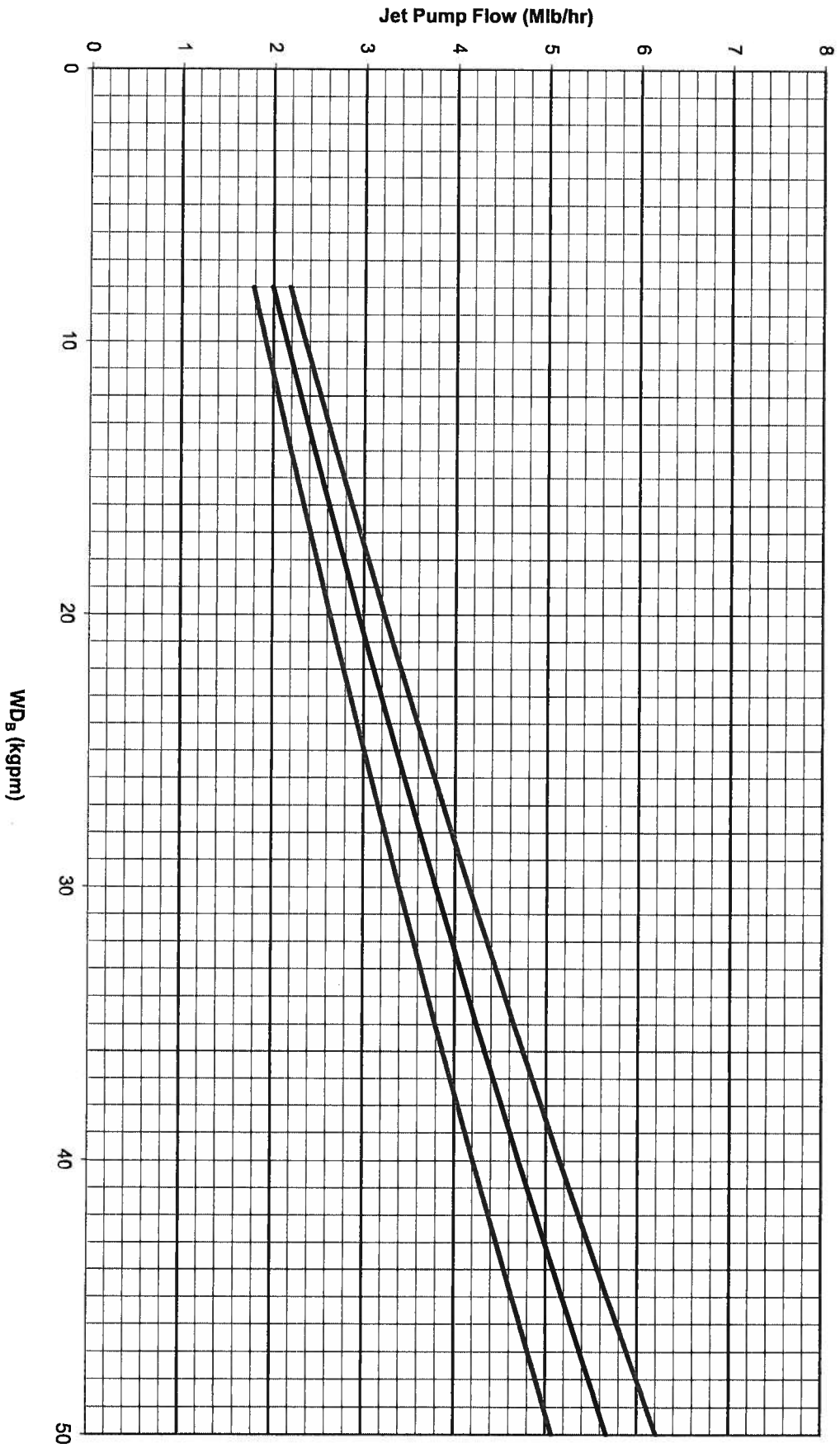
LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 11



LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 13



LaSalle Unit 1
Jet Pump Operability Curves
Jet Pump 12



JOB PERFORMANCE MEASURE

Review and Determine if Administrative Requirements are Met to Commence Core Alterations

JPM: NRC-LAS-2020-SRO A1.2

November 2020

Facility: LaSalle

K/A Reference: 2.1.40 (3.9), Knowledge of Refueling Administrative Requirements

INITIAL CONDITIONS

1. You are the oncoming Unit 1 Fuel Handling Supervisor
2. The time is 0800
3. Unit 1 was Defueled to support in-vessel maintenance which has been completed
4. Preparations were made during Shift 1 to load fuel into the core
5. Unit 2 is in Mode 1 at 100% RTP
6. SBGT is not running
7. LOS-AA-S101, "Unit 1 Shiftly Surveillance" Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition" has been completed

INITIATING CUE

Review LOS-AA-S101, "Unit 1 Shiftly Surveillance" Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition" and determine if movement of fuel can commence. Report your determination to the Shift Manager.

Provide examinee with: A copy of the following from LOS-AA-S101, "Unit 1 Shiftly Surveillance:"

- Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition"
- Attachment E, "Unit 1 Shiftly Surveillance for EO"

Fill in the JPM Start Time when the examinee 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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
1.1	Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition"	Reviews provided copy of Attachment D and makes notes of errors. Determines that based on the given time of 0800, the Shift 1 block should be completed in Attachment D	—	—	—
OPM14J/OPM15J					
1.2	Channel Check VG noble gas activity monitor	Verifies block is marked N/A	—	—	—
1.3	Channel Check VG effluent flow	Verifies block is marked N/A	—	—	—
1.4	Channel Check VG Sample flow isokinetic per Figure D-1	Verifies block is marked N/A	—	—	—
1.5	Channel Check SVS noble gas activity monitor	Verifies block is checked	—	—	—
1.6	Channel Check SVS effluent flow	Verifies block is checked	—	—	—
1.7	Channel Check SVS sample flow isokinetic per Figure D-2	Verifies block is checked	—	—	—
1.8	During MIF, CA on either Unit or U2 in Mode 1,2,3 Channel Check all VC Rad Monitors on both Units	Determines this is applicable for MIF/CA, verifies block is checked	—	—	—
1H13-P602					
2.1	CHECK Rx Coolant Cond. ≤ 10.0 μmho	Verifies block is checked	—	—	—
1PM01J					
3.1	'0' DG Room Temp 'A' DG Room Temp	Verifies block is checked Verifies block is checked	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
1PM10J					
4.1	Channel Check Wind Direction	Verifies block is checked	—	—	—
4.2	Channel Check Wind Speed	Verifies block is checked	—	—	—
4.3	Channel Check Diff Temp	Verifies block is checked	—	—	—
1PM05J/1PM06J					
5.1	During MIF, CA or U2 in Mode 1, 2, 3 Rx Bldg d/p, ≤ -0.25" wc	Determines this is applicable for MIF/CA, verifies block is checked	—	—	—
*5.2	Pt. 30, 0TE-VC002, 50-85 deg. F	Recorded temperature is 90 deg. F, understands this is NOT within spec	—	—	—
5.3	Pt. 31, 0TE-VC003, 50-85 deg. F	Recorded temperature is 82 deg. F, understands this is within spec	—	—	—
5.4	<u>If</u> drywell is being vented or purged; VERIFY lineup correct per applicable procedure	Verifies block is marked N/A	—	—	—
Control Room Back Panels					
6.1	<u>If</u> in operation, Channel Check RHR Service Water Rad A/B	Verifies block is checked	—	—	—
6.2	<u>If</u> 1N62-F057 is open, OG Post Treatment Rad <ul style="list-style-type: none"> • Channel Check • Source Check 	Verifies block is checked Verifies block is checked	—	—	—
6.3	Channel Check Service Water Rad	Verifies block is checked	—	—	—
6.4	During MIF, CA or U2 in Mode 1, 2, 3 Channel Check Rx Bldg Rad	Determines this is applicable for MIF/CA, verifies block is checked	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
6.5	During MIF, CA or U2 in Mode 1, 2, 3 Channel Check Fuel Pool Rad	Determines this is applicable for MIF/CA, verifies block is checked	—	—	—
*6.6	During MIF/CA, Channel Check Rx Water Level	Step is marked N/A, determines they will be performing MIF/CA with fuel moves and determines step should not be marked N/A. Makes a note and determines a Channel Check of Rx Water Level must be performed prior to fuel moves	—	—	—
Process Computer Points					
7.1	During MIF, C361_AVG or Average of U1 and U2 Circulating Water inlet temperatures. (Points ID C361) ≤ 99.0 deg. F	Recorded temperature is 75 deg. F, understands this is within spec	—	—	—
Reviews					
8.1	Reviewed Att E. Reviews Attachment E, "Unit 1 Shiftly Surveillance for EO"	Determines the only section applicable to the Defueled mode is E.5.8, Switchgear Room Temperatures	—	—	—
8.2	Div 1 Swgr Room Temp, 65-104 deg. F	Recorded temperature is 70 deg. F, understands this is within spec	—	—	—
8.3	Div 2 Swgr Room Temp, 65-104 deg. F	Recorded temperature is 72 deg. F, understands this is within spec	—	—	—
8.4	Div 3 Swgr Room Temp, 65-104 deg. F	Recorded temperature is 72 deg. F, understands this is within spec	—	—	—
8.5	Fluke ID #	Verifies the ID# is recorded	—	—	—
8.6	U1 AEER Temp, 50-85 deg. F	Recorded temperature is 70 deg. F, understands this is within spec	—	—	—
8.7	U2 AEER Temp, 50-85 deg. F	Recorded temperature is 72 deg. F, understands this is within spec	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
8.8	On Attachment D, Performed by	Returns to Attachment D and verifies this block is signed by a qualified operator	—	—	—
8.9	On Attachment D, Date	Verifies the date is correct	—	—	—
Final Determination and Report to SM					
*9.1	Report of determination to the SM	Reports that the shiftly surveillance was completed UNSAT, and the following must be completed prior to fuel moves: <ul style="list-style-type: none"> • Pt. 30 OTE-VC002 must be less than 85 deg. F • Channel Check of Rx Water level must be completed 	—	—	—
TERMINATING CUE:					
As SM, acknowledge the determination from the examinee. This concludes the JPM					

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____

Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Review and Determine if Administrative Requirements are Met to Commence Core Alterations

JPM Number: NEW

Revision Number: 00

Task Number and Title: Given the a completed surveillance, review and determine if surveillance is completed satisfactorily.

Task Standard: Review LOS-AA-101, "Unit 1 Shiftly Surveillance" and determine if requirements are met to commence core alterations. Identify requirements which have not been completed prior to commencing core alterations and report them to the Shift Manager.

K/A Number and Importance: 2.1.40 (3.9), Knowledge of Refueling Administrative Requirements

Suggested Testing Environment: Classroom

Alternate Path: Yes No **SRO Only:** Yes No **Time Critical:** Yes No

Reference(s):

LOS-AA-101, Revision 110, Unit 1 Shiftly Surveillance

Actual Testing Environment: Simulator Control Room In-Plant Other (Classroom)

Testing Method: Simulate Perform

Estimated Time to Complete: 10 minutes

Actual Time Used: _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

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

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ Date: _____

INITIAL CONDITIONS

1. You are the oncoming Unit 1 Fuel Handling Supervisor
2. The time is 0800
3. Unit 1 was Defueled to support in-vessel maintenance which has been completed
4. Preparations were made during Shift 1 to load fuel into the core
5. Unit 2 is in Mode 1 at 100% RTP
6. SBGT is not running
7. LOS-AA-S101, "Unit 1 Shiftly Surveillance" Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition" has been completed

INITIATING CUE

Review LOS-AA-S101, "Unit 1 Shiftly Surveillance" Attachment D, "Unit 1 Shiftly Surveillance for Defueled Condition" and determine if movement of fuel can commence. Report your determination to the Shift Manager.

Exelon Nuclear

Job Performance Measure

Review TCC Tracking Log

JPM Number: A-SRO-26

Revision Number: 02

Date: 07 / 24 / 2020

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Reviewed By: _____
Operations Representative Date

Approved By: _____
Training Department Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure CC-AA-112 Rev: 20
Procedure OP-AA-108-101 Rev: 15
Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

- Revision 00,** New JPM written for 2003-01 ILT Exams.
- Revision 01,** Updated JPM to most current format of TQ-JA-150-02, incorporated procedure changes of CC-MW-112-1001 and OP-AA-108-101, and updated the TTC tracking log to the digital copy used by OPS Department.
- Revision 02,** Updated JPM for the ILT 19-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. This JPM does not require the simulator, however it may be complete in the simulator and therefore any IC can be used

Materials

1. A copy of the TCC Log used by OPS Department generated specifically for this JPM

INITIAL CONDITIONS

[You are a Relief Week Licensed SRO

INITIATING CUE

The Shift Manager has requested that you perform a review of the TCC Log IAW applicable station procedures. Report your finding(s) to the Shift Manager.]

Note: After giving the initiating cue and the Examinee acknowledges his/her initiating cue, hand the Examinee a copy of the digital TCC Tracking Log generated for this JPM.

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
1	Obtains a copy of the TCC Tracking Log	Examinee demonstrates where to obtain a copy of the TCC Log off the OPS K:\ Drive or SM Dashboard.	—	—	—
<p>NOTE: After the Examinee either demonstrates or states where to obtain a copy of the TCC Tracking Log, hand the examinee of the TCC Tracking Log generated for this JPM.</p>					
2	Perform a periodic review of the TCC Tracking Log	Student reviews the TCC Tracking Log for general accurateness and completeness.	—	—	—
*3.1	Examinee identifies requirement for 50.59 screening	Examinee recognizes that TCC # 20-1RH-90-084 has exceeded the allowable MR90 time requirement.	—	—	—
*3.2	Examinee identifies requirement for 50.59 screening	Examinee recognizes that TCC # 20-1AP-90-086 expected removal date is past the MR90 allowed time requirement and requires a 50.59 evaluation or must be removed by 1/21/21.	—	—	—
4	Reports findings to the Shift Manager	Examinee reports that TCC # 20-1RH-90-084 has exceeded its allowable MR90 time requirement and # 20-1AP-90-086 expected removal date will exceed the MR90 time requirement.	—	—	—
CUE	As the Shift Manager, acknowledge information. JPM is complete.				

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Review TCC Tracking Log

JPM Number: A-SRO-26 Revision Number: 02

Task Number and Title: Review TCC Tracking Log

605.020 During performance of tasks, apply the administrative requirements of Temporary Modifications, IAW station procedures.

K/A Number and Importance: 2.2.11 (3.3) Knowledge of the process for controlling temporary design changes

Suggested Testing Environment: Simulator, Plant or Main Control Room

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): CC-AA-112, Temporary Configuration Changes, Revision 20

OP-AA-108-101, Control of Equipment and System Status, Revision 11

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 15 minutes

Actual Time Used: _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

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

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date:** _____

INITIAL CONDITIONS

You are a Relief Week Licensed SRO

INITIATING CUE

The Shift Manager has requested that you perform a review of the TCC Log IAW applicable station procedures. Report your finding(s) to the Shift Manager.

<i>TCC Type</i>	<i>TCC Number</i>	<i>MR90 Exp date</i>	<i>Unit</i>	<i>System</i>	<i>Description</i>	<i>Work Order & Task #, EC #, or N/A (Passport Record)</i>
<i>(Note 1)</i>	<i>(Note 1)</i>					
TMOD	14-1TG-00-013		1	TG	TCCP TO BYPASS GROUNDED ALARM WIRE FOR TURBINE	EC 397195 WO 01714557 (Inst) WO 01714559 (Rem)
TMOD-90	15-1RH-90-084	11/4/20	1	RH	Removed Insulation 1RH19BA	WO 1849417-71 (Install) WO 1849417-72 (Remove)
TMOD-90	16-0WX-90-045	Removed	0	WX	Install pneumatic jumper to 0WX170	1901151-01
TMOD-90	15-1AP-90-086	1/21/21	1	AP	Temp Feed for 8-pack Welder	WO 1810088-02
TMOD	15-1FP-00-061		1	FP	TCC to bypass LP heater area sprinkler system alarm at 1FP04JA.	EC 403462, WO 1867067-01 (Install) WO 01867069-01 (Remove)

<i>Resp. Engr. (if applicable)</i>	<i>Requesting Department/ Individual</i>	<i>Expected Removal Date</i>	<i>Restricted Modes</i>					<i>C/A MIF OPDRV</i>
			<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
J Smith	EM - Smith	12/16/20						
N/A	MMD - Johnson	10/28/20						
N/A	MMD - Garcia	11/10/20						
N/A	EMD - Davis	2/1/21						
Collins	Martinez	1/15/21						

<i>Restriction Details</i>	<i>Name & Date Authorization for Installation was given</i>	<i>Installed Date</i>	<i>Restored by Name</i>	<i>Removal Date</i>
None	D Jones	11/25/20		
None	K Williams	8/6/20		
None	F Miller	11/3/20	F Miller	11/8/20
None	M. Brown	10/23/20		
none	H Wilson	9/11/20		

10/7/20 Seq. Number
Current Dat Number Type

013 00

084 90

045 90

086 90

061 00

Sorting	Validation	Days Till	Countblank	Removal	Expired	Removed	Format	Restore
Year	Codes	Expire		Date	Removal		Removal	Date
14	1	#VALUE!	9	1	0	0	1	0
15		27.462083	9	1	0	0	1	0
16		#VALUE!	9	1	0	10	11	2
15		105.46208	9	1	0	0	1	0
15		#VALUE!	9	1	0	0	1	0

Exelon Nuclear

Job Performance Measure

Identify ODCM Requirements for a Spurious Off Gas Isolation

JPM Number: A-SRO-53

Revision Number: 01

Date: 07 / 24 / 2020

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Reviewed By: _____
Operations Representative Date

Approved By: _____
Training Department Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
 Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
 Procedure CY-LA-170-301 Rev: 09
 Procedure LOA-OG-101 Rev: 25
 Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

SME / Instructor	Date
SME / Instructor	Date
SME / Instructor	Date

Revision Record (Summary)

Revision 00 Developed new for ILT 15-1 NRC Exam.

Revision 01 Updated JPM for ILT 19-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. Evaluator, be prepared to fill in a time for “5 minutes ago” on the candidates copy of the Initial Conditions.
3. Be prepared to provide a blank Tech Spec Timeclock sheet.

INITIAL CONDITIONS

[You are the Unit 1 Unit Supervisor today.

- Unit 1 is 100% power
- 1A Off Gas Post Treat Rad Monitor is INOP for LIS-OG-104A

The following annunciator was received 5 minutes ago, at time: _____

- 1N62-P600-B207, Off Gas Post Treatment Rad High

The NSO has since reported the following:

- R-Point R1278 OG Post-Trtmt Rad Hi-Hi-Hi is in
- 1B Off Gas Post Treat Rad Monitor has it's "Upscale" light illuminated
- 1B Off Gas Post Treat Rad Monitor is pegged high
- Off Gas Pre Treat Rad Monitor reads 7.8×10^1 mr/hr
- Actions per LOA-OG-101, Unit 1 Off Gas System Abnormal, are complete through Section B.8, Step 1.1.3
- 1N62-F057, Off Gas Discharge to Stack, indicates OPEN at 1N62-P601

IMD has been called in to assist in troubleshooting. They suspect a failed instrument.

INITIATING CUE

For this situation:

- Identify the Required Actions if any.
- Update the Tech Spec Timeclock Sheet if needed.]

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
NOTE: Examinee may obtain a copy of LOR-1N62-P600-B207 but is NOT REQUIRED. If the Examinee wants a copy, after they demonstrate where to obtain a copy of the procedure provide them with a copy of LOR-1N62-P600-B207.					
NOTE: Examinee may obtain a copy of LOA-OG-101 but is NOT REQUIRED. If the Examinee wants a copy, after they demonstrate where to obtain a copy of the procedure provide them with a copy of LOA-OG-101. If the Examinee does not obtain a copy of the procedure the next step may be N/A'ed.					
1.	OBTAIN a copy of the procedure.	Examinee demonstrates where to OBTAIN a copy of LOA-OG-101.	—	—	—
2.	B.8.1.3 - Refer to ODCM 12.2.2.	Examinee refers to ODCM for guidance.	—	—	—
NOTE: Examinee may obtain a copy of CY-LA-170-301(ODCM).					
3.	OBTAIN a copy of the procedure.	Examinee demonstrates where to OBTAIN a copy of CY-LA-170-301(ODCM).	—	—	—
4.	Recognize that the Initial Conditions render that 1B Off Gas Post Treat Rad Monitor is inoperable	1B Off Gas Post Treat Rad Monitor declared inoperable	—	—	—
5.	Identify the correct CONDITION and REQUIRED ACTION: Condition B: One or more required instrument channels inoperable for reasons other than condition A RA B.1: Enter the Condition referenced in Table R12.2.2-1 for the instrument channel	Condition B and RA B.1 identified	—	—	—
6.	From Table R12.2.2-1 correctly identifies Condition D	Condition D identified	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
*7.	Correctly identifies Required Action D.1, D.2 and D.3: RA D.1: Obtain grab samples once per 8 hours <u>AND</u> RA D.2: Analyze grab samples for noble gas emitters within 24 hours of each grab sample <u>AND</u> RA D.3: Restore instrument channel to OPERABLE status within 30 days	Required Action D.1, D.2 and D.3 identified	—	—	—
CUE	If the candidate attempts to contact chemistry for required actions, acknowledge the report.				
*8.	Update the Tech Spec Timeclock Sheet.	Tech Spec Timeclock Sheet updated	—	—	—
CUE	If not already addressed, ask the candidate the following question: “What actions, if any, would be necessary if the 1B Off Gas Post Treat Rad Monitor is not returned to service within 30 days?”				
9. ODCM Condition I	Identify the correct REQUIRED ACTION for CONDITION I.1: Explain in the next Radioactive Effluent Release Report why the inoperability was not corrected within the time specified IAW Tech Spec 5.6.3.	Condition I reporting requirement identified.	—	—	—
<u>TERMINATING CUE:</u>					
Inform the candidate that the JPM is complete.					

JPM Stop Time: _____

KEY

TS/TRM/ ODCM	System/ Component	Required Action	REQUIRED ACTION Description (or SFDP Tracking Number/3.0.6)	Completion Time	Expiration Date/Time
ODCM 12.2.2	1A and 1B OG Post Treat Rad Monitor	D.1	Obtain grab samples	Once per 8 hours	
ODCM 12.2.2	1A and 1B OG Post Treat Rad Monitor	D.2	Analyze grab samples for noble gas emitters	within 24 hours of each grab sample	
ODCM 12.2.2	1A and 1B OG Post Treat Rad Monitor	D.3	Restore instrument channel to OPERABLE status	30 days	

JPM SUMMARY

Operator's Name: _____

Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Determine ODCM Compensatory Measures

JPM Number: A-SRO-53 **Revision Number:** 01

Task Number and Title: Determine ODCM requirements

702.001 Given an inoperable component, determine ODCM applicability and required actions, IAW station procedures.

K/A Number and Importance: 2.3.11 SRO 4.3; Ability to control radiation releases.

Suggested Testing Environment: Classroom

Alternate Path: Yes No **SRO Only:** Yes No **Time Critical:** Yes No

Reference(s):

CY-LA-170-301, Rev. 9, Offsite dose Calculation Manual, Part 1 Radiological Effluent Controls;
LOA-OG-101, Rev. 25, Offgas System Abnormal

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 10 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

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

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date:** _____

INITIAL CONDITIONS

[You are the Unit 1 Unit Supervisor today.

- Unit 1 is 100% power
- 1A Off Gas Post Treat Rad Monitor is INOP for LIS-OG-104A

The following annunciator was received 5 minutes ago, at time: _____

- 1N62-P600-B207, Off Gas Post Treatment Rad High

The NSO has since reported the following:

- R-Point R1278 OG Post-Trtmt Rad Hi-Hi-Hi is in
- 1B Off Gas Post Treat Rad Monitor has it's "Upscale" light illuminated
- 1B Off Gas Post Treat Rad Monitor is pegged high
- Off Gas Pre Treat Rad Monitor reads 7.8×10^1 mr/hr
- Actions per LOA-OG-101, Unit 1 Off Gas System Abnormal, are complete through Section B.8, Step 1.1.3
- 1N62-F057, Off Gas Discharge to Stack, indicates OPEN at 1N62-P601

IMD has been called in to assist in troubleshooting. They suspect a failed instrument.

INITIATING CUE

For this situation:

- Identify the Required Actions if any.
- Update the Tech Spec Timeclock Sheet if needed.]

Exelon Nuclear

Job Performance Measure

Fill out a NARS for a General Emergency

JPM Number: A-SRO-77

Revision Number: 02

Date: 7 / 24 / 2020

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Reviewed By: _____
Operations Representative Date

Reviewed By: _____
Emergency Preparedness Manager Date

Approved By: _____
Training Department Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
 Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

- _____ 1. Task description and number, JPM description and number are identified.
- _____ 2. Knowledge and Abilities (K/A) references are included.
- _____ 3. Performance location specified. (in-plant, control room, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) are properly identified.
- _____ 6. Task standards identified and verified by SME review.
- _____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
- _____ 8. If an alternate path is used, the task standard contains criteria for successful completion.
- _____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
 Procedure _____ Rev: _____
- _____ 10. Verify cues both verbal and visual are free of conflict.
- _____ 11. Verify performance time is accurate
- _____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

SME / Instructor	Date
SME / Instructor	Date
SME / Instructor	Date

Revision Record (Summary)

- Revision 00,** JPM written for new corporate GSEP procedures.
- Revision 01,** Reformatted to the most recent version of TQ-JA-150-02 and revised to current procedure revision.
- Revision 02,** Updated JPM for the ILT 19-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. If not done in the Simulator have copies of EP-AA-111, EP-AA-111-F-05, EP-MW-114-100, and LaSalle EALs
3. Be prepared to provide a blank NARS form sheet.

INITIAL CONDITIONS

You are the Unit 2 Supervisor. Unit 1 and Unit 2 are at full power during a prolonged summer heat wave. The Grid Status is **RED** with lake temperature at 97°F. The 1A RHR Pump is out of service with an emergent motor repair. A lightning strike causes the 86 relay actuation on the Unit 1 Main Generator and Unit 1 SAT. Subsequently, Unit 1 has an ATWS with an initial power level of 30% following all appropriate scram choreography actions. Immediately after the initial scram response the following conditions are present.

- "0" DG is down for maintenance with the expected time of return in approximately 8 hours.
- "1A" DG started and tripped. EO reports from the field that "1A" DG suffered catastrophic mechanical damage.
- "1B" DG is running and carrying bus 143.
- RPV pressure is 900 PSIG
- RCIC is injecting and RPV water level is -110" on WR and slowly decreasing
- Suppression Pool Level is at +1 foot and Suppression Pool temperature is 199°F and rising
- APRM downscale lights are not lit
- SRVs are functioning as designed
- MSIVs are all closed
- Plant Computer average wind speed is 10 mph from 200°
- Stack radiation release levels have not changed in the last 20 minutes
- Dose projection data is unavailable

INITIATING CUE

Classify the event and then fill out the NARS form and inform the Shift Manager when it is ready for his approval.

This is a Time Critical JPM.

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
1	Obtain copies of EP-AA-111, EP-AA-111-F-05, EP-MW-114-100, and LaSalle EALs	Examinee demonstrates where copies EP-AA-111, EP-MW-114-100, EP-AA-111-F-05, and LaSalle EALs can be obtained.	—	—	—
CUE	After examinee demonstrates where corporate procedures can be obtained, provide examinee with copies of EP-AA-111, EP-MW-114-100, LaSalle EALs, and LGA Flowcharts. If done in the simulator the Examinee may use the procedures at the Unit Supervisors desk.				
2	Obtain blank NARS FORM	Examinee demonstrates where a NARS forms can be obtained	—	—	—
CUE	After examinee demonstrates where NARS forms can be obtained, provide examinee with a NARS form.				
Note	The following steps can be performed at any time prior to completing the NARS form.				
Note	Items 3 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.				
*3	Utilize LaSalle EALs to determine EAL Classifications	Examinee Classifies the GSEP as MG1 Time Classified: _____	—	—	—
Note	Accident classification must be completed within 15 minutes of JPM start time.				
*4	Utilize EP-AA-111-F-05, to determine PAR.	Examinee determines PAR of "1" using EP-AA-111-F-05.	—	—	—
5	In Utility Message block write 1.	Examinee writes the number 1 in Utility Message block	—	—	—
6	In State Message block write N/A	Examinee writes the number N/A in State Message block	—	—	—
*7.	In Item 1, marks B.	Examinee marks Item 1 B.	—	—	—
*8.	In Item 2, marks E.	Examinee marks Item 2 E.	—	—	—
*9.	In Item 3, marks D.	Examinee marks Item 3 D.	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
*10.	In Item 4, write (time & date) and EAL MG1.	Examinee writes (time & date) and MG1 in Item 4.	—	—	—
*11.	In ACCIDENT TERMINATED section write N/A in each blank.	Examinee writes N/A in each blank of ACCIDENT TERMINATED section.	—	—	—
*12.	In Item 5, marks A.	Examinee marks Item 5 A.	—	—	—
13.	In Item 6, marks A.	Examinee marks Item 6 A.	—	—	—
*14.	In Item 7, write 200.	Examinee writes 200 in Item 7.	—	—	—
*15.	In Item 8 B, write 10. Should write in 8A,N/A.	Examinee marks and writes 10 in Item 8 B. May write in 8A, N/A	—	—	—
Note ONLY the 10 in 8B is critical, if nothing is put in 8A, this step is still met SAT.					
*16.	In Item 9, marks D and writes in "1".	Examinee marks Item 9 D and writes in "1".	—	—	—
*17.	In Item 10, write "none"	Examinee writes none.	—	—	—
18.	Leave Items 11 and 12 blank.	Examinee leaves Items 11 and 12 blank. Time ready to Transmit: _____	—	—	—
Note NARS form must be ready to transmit within 13 minutes of classification.					
19	Sign NARS Form "Verified With"	Examinee Signs NARS Form authorizing transmittal.	—	—	—
CUE	JPM Complete.				

JPM Stop Time: _____

.....

JPM SUMMARY

Operator's Name: _____ **Emp. ID#:** _____

Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Fill out a NARS form for a General Emergency

JPM Number: A-SRO-77 Revision Number: 02

Task Number and Title: Fill out a NARS form for a General Emergency

711.001 Given a postulated E-Plan condition, recommend Offsite Protective actions, IAW Station procedures.

715.010 Given an E-Plan condition, complete and transmit a NARS Form, IAW station procedures.

K/A Number and Importance: 2.4.41 (4.6) Knowledge of the emergency action level thresholds and classifications.

Suggested Testing Environment: Simulator

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): EP-AA-111, Emergency Classification and Protective Action Recommendation, Rev. 18

EP-AA-111-F-05, LaSalle Plant Based PAR Flowchart, Rev. E

EP-AA-1005 Addendum 3, Emergency Action Levels For LaSalle Station, Rev. 6

EP-MW-114-100, Midwest Region Offsite Notifications, Rev. 013

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 15 minutes

Actual Time Used: _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? Yes No

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

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date:** _____

INITIAL CONDITIONS

You are the Unit 2 Supervisor. Unit 1 and Unit 2 are at full power during a prolonged summer heat wave. The Grid Status is **RED** with lake temperature at 97°F. The 1A RHR Pump is out of service with an emergent motor repair. A lightning strike causes the 86 relay actuation on the Unit 1 Main Generator and Unit 1 SAT. Subsequently, Unit 1 has an ATWS with an initial power level of 30% following all appropriate scram choreography actions. The "0" DG and "1B" DG start and are supplying their respective buses, but the 1A DG started and tripped within one minute. Immediately after the initial scram response the following conditions are present.

- RPV pressure is 900 PSIG
- RCIC is injecting and RPV water level is -110" on WR and slowly decreasing
- Suppression Pool Level is at +1 foot and Suppression Pool temperature is 199°F and rising
- APRM downscale lights are not lit
- SRVs are functioning as designed
- MSIVs are all closed
- Plant Computer average wind speed is 10 mph from 200°
- Stack radiation release levels have not changed in the last 20 minutes
- Dose projection data is unavailable

INITIATING CUE

Classify the event and then fill out the NARS form and inform the Shift Manager when it is ready for his approval.

This is a Time Critical JPM.