



James A. FitzPatrick Nuclear Power Plant
OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE

S/RO _____
APPL. TO _____

NEW _____
JPM NUMBER _____

TASK TITLE: OP-63 WEEKLY ALARM TEST

REV: 0

DATE: 5/25/03

NRC K/A SYSTEM NUMBER: 2.1.16 2.9

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 10 Minutes

SUBMITTED: [Signature]

OPERATION REVIEW: [Signature] for Tonbitt

APPROVED: [Signature]

~~~~~  
CANDIDATE NAME: \_\_\_\_\_

S.S. NUMBER: \_\_\_\_\_

JPM Completion:    ( ) Simulated        ( X ) Performed

Location:            ( ) Plant                ( X ) Simulator

DATE PERFORMED: \_\_\_\_\_

TIME TO COMPLETE: \_\_\_\_\_ Minutes

PERFORMANCE EVALUATION:    ( ) Satisfactory        ( ) Unsatisfactory

~~~~~  
COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____
SIGNATURE/PRINTED

CANDIDATE REVIEW: _____
SIGNATURE

REVIEWED BY: _____
PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

S/RO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: OP-63 WEEKLY ALARM TEST

Current Update: 5/25/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Simulator validated 5/25/03. Any IC

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

S/RO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: OP-63 WEEKLY ALARM TEST

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. OP-63, INTRA-PLANT COMMUNICATIONS SYSTEM, Rev. 6

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A.
B.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. Candidate will be ordered to conduct a routine weekly test of the plant communication system.

*** - CRITICAL STEP**

S/RO/NLO

TASK TITLE:

VII. INITIATING CUE

Perform OP-63 Weekly Alarm Testing

TASK STANDARD

The candidate will conduct the weekly alarm/page system testing as directed by OP-63 Section E.3

	STEP	STANDARD	EVALUATION / COMMENT
1.	Obtain procedure	Candidate obtains OP-63 and selects section E.3	SAT / UNSAT
2.	E.3.1 Make the following announcement over the Gai-Tronics: "Attention, Attention, the following is a test of the plant alarms. Attention, Attention, the following is a test of the plant alarms."	Candidate selects any Gai-Tronics push to talk handset and makes the announcement.	SAT / UNSAT
3.	E.3.2 Announce: "The first alarm is the Station Alarm. The first alarm is the Station Alarm."	Candidate selects any Gai-Tronics push to talk handset and makes the announcement.	SAT / UNSAT
*4.	E.3.3 Depress STA pushbutton and allow the alarm to sound for approximately 10 seconds.	Candidate depress STA pushbutton and allow audible alarm for approximately 10 seconds	SAT / UNSAT
5.	E.3.4 Silence the alarm by depressing the OFF pushbutton.	Candidate depresses the OFF pushbutton	SAT / UNSAT
6.	E.3.5 Announce: "The next alarm is the Evacuation Alarm. The next alarm is the Evacuation Alarm."	Candidate selects any Gai-Tronics push to talk handset and makes the announcement.	SAT / UNSAT

S/RO/NLO

TASK TITLE:

	STEP	STANDARD	EVALUATION / COMMENT
*7.	E.3.6 Depress EVAC pushbutton and allow the alarm to sound for approximately 10 seconds.	Candidate depress EVAC pushbutton and allow audible alarm for approximately 10 seconds	SAT / UNSAT
8.	E.3.7 Silence the alarm by depressing the OFF pushbutton.	Candidate depresses the OFF pushbutton	SAT / UNSAT
9.	E.3.8 Announce: "The next alarm is the Fire Alarm. The next alarm is the Fire Alarm"	Candidate selects any Gai-Tronics push to talk handset and makes the announcement.	SAT / UNSAT
*10.	E.3.9 Depress FIRE pushbutton and allow the alarm to sound for approximately 10 seconds.	Candidate depress FIRE pushbutton and allow audible alarm for approximately 10 seconds	SAT / UNSAT
11.	E.3.10 Silence the alarm by depressing the OFF pushbutton.	Candidate depresses the OFF pushbutton	SAT / UNSAT
12.	E.3.11 Announce: "This completes the test of the plant alarms."	Candidate selects any Gai-Tronics push to talk handset and makes the announcement.	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

Rb



James A. FitzPatrick Nuclear Power Plant

**OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE**

S/RO _____
APPL. TO

NEW _____
JPM NUMBER

TASK TITLE: ST-5D

REV: 0

DATE: 5/26/03

NRC K/A SYSTEM NUMBER: 2.1.7 3.7/4.4

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 20 Minutes

SUBMITTED: [Signature]

OPERATION REVIEW: [Signature] for Torbitt

APPROVED: [Signature]

CANDIDATE NAME: _____

S.S. NUMBER: _____

JPM Completion: () Simulated (X) Performed

Location: () Plant (X) Simulator

DATE PERFORMED: _____

TIME TO COMPLETE: _____ Minutes

PERFORMANCE EVALUATION: () Satisfactory () Unsatisfactory

COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____
SIGNATURE/PRINTED

CANDIDATE REVIEW: _____
SIGNATURE

REVIEWED BY: _____
PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

S/RO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: ST-5D

Current Update: 5/26/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Simulator validated 5/24/03. IC-133

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

S/RO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: ST-5D

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. ST-5D, APRM CALIBRATION, Rev. 2
- B. OP-16, NEUTRON MONITORING, Rev. 24

III. TOOLS AND EQUIPMENT

- A. Small Screwdriver

IV. SET UP REQUIREMENTS

- A. >25% CTP IC with 2 loops in service, EPIC available and plant conditions stable.
- B. Adjust all APRM's to an acceptable value per ST-5D.
- C. Adjust desired APRM's to >2% above or below desired value of ST-5D.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.
- C. This JPM performance data based upon E and D APRM's initially 3-4% low at ~98% CTP

VI. TASK CONDITIONS

- A. Plant returning to 100% CTP following rod pattern exchange. Currently at ~98 % CTP.
- B. ST-5D required prior to continuing to 100% CTP.

*** - CRITICAL STEP**

S/RO/NLO NEW
 TASK TITLE: ST-5D
VII. INITIATING CUE

You are the SNO. The plant is currently operating at ~98% CTP following a rod pattern exchange with no equipment out of service. The plant has been stable for several minutes. ST-5D, APRM CALIBRATION is required prior to continuing to 100% CTP. Perform ST-5D.

EVALUATOR

Hand partially completed ST-5D to candidate

TASK STANDARD

The candidate will conduct an APRM calibration as directed by ST-5D. This calibration will require the adjustment to 1 APRM.

	STEP	STANDARD	EVALUATION / COMMENT
1.	Obtain and review procedure	Candidate obtains and reviews a current copy of ST-5D	SAT / UNSAT
*2.	8.1 Procedure Performance Determine the applicable procedure subsection to perform as follows: <input type="checkbox"/> IF reactor power is LESS THAN 25%, THEN perform Subsection 8.2. <input type="checkbox"/> IF reactor power is GREATER THAN OR EQUAL TO 25%, AND the MONICORE programs are operable, THEN perform Subsection 8.3. <input type="checkbox"/> IF reactor power is GREATER THAN OR EQUAL TO 25%, AND the MONICORE programs are not operable, THEN have Reactor Engineering perform Subsection 8.4.	Candidate selects subsection 8.3	SAT / UNSAT
3.	8.3.1 IF core power has changed GREATER THAN 2% , OR the control rod pattern has changed since the last core performance program was executed, THEN demand an Official 3D Program.	Candidate demands Official 3D at 3D keyboard by selecting: <ul style="list-style-type: none"> • Option 4, Run Official 3D • Tab to Execute • Select 2 on the number pad 	SAT / UNSAT

	STEP	STANDARD	EVALUATION / COMMENT
*4.	8.3.2 Determine APRM DR from the higher of the following values: <ul style="list-style-type: none"> • Largest MFLPD x 100 • Percent core thermal power 8.3.3 [ITS] Adjust APRMs per Subsection 8.5.	Candidate selects Percent Core Thermal Power with a value of ~95%.	SAT / UNSAT
5.	8.5.1 Record initial APRM readings in Table 1.	Candidate records values from Official 3D	SAT / UNSAT
6.	8.5.2 Record DR in Table 1.	Candidate records value selected in 8.3.2	SAT / UNSAT
*7.	8.5.3 [ITS] Identify any APRM(s) requiring adjustment in Table 1. APRM shall be adjusted to indicate within $\pm 2\%$ of the DR.	Candidate identifies D APRM as requiring adjustment.	SAT / UNSAT
8.	8.5.4 IF APRM adjustment is required, THEN perform the following for each APRM requiring adjustment: NOTE: Bypassing APRM may be omitted per SM.	EVALUATOR The Shift Manager desires that the APRM's be bypassed for adjustments.	SAT / UNSAT
9.	A. Bypass the APRM channel requiring calibration per Section E of OP-16.	N/A	SAT / UNSAT
10.	Obtain and review OP-16	Candidate obtains and review OP-16 noting any cautions that may be applicable	SAT / UNSAT
11.	Select proper procedure section	Candidate selects section E.16	SAT / UNSAT
12.	E.16.1 Place APRM BYP switch in (*).	At 09-5 panel, candidate selects 'B' division joystick to D.	SAT / UNSAT
13.	E.16.2 Verify APRM (*) is bypassed using one or both of the following: APRM (*) BYPASS indicating light is on APRM (*) EPIC alarm indicates bypassed	At 09-5 panel, candidate observes white bypass lamp for APRM D. OR Candidate notes EPIC alarm typer indicates selected APRM bypass is ON	SAT / UNSAT

S/RO/NLO NEW
TASK TITLE: ST-5D

	STEP	STANDARD	EVALUATION / COMMENT
14.	E.16.3 Verify the other two APRM channels associated with the same APRM BYP switch are in service using one or both of the following: APRM BYPASS indicating lights are off for the other two APRMs No EPIC bypassed alarms for the other two APRMs	Candidate notes the absence of the same indications for the remaining APRM's in that RPS division (B and F).	SAT / UNSAT
15.	ST-5D, 8.5.4 continued: B. Ensure METER FUNCTION switch is set to AVERAGE.	At panel 09-14, candidate selects 'D' APRM and confirms Meter Function switch is in average.	SAT / UNSAT
16.	C. Ensure APRM MODE switch is in the OPERATE position.	At panel 09-14, candidate selects 'D' APRM and confirms Mode switch is in operate.	SAT / UNSAT
*17.	NOTE: Clockwise turn raises meter reading; counterclockwise turn lowers meter reading. D. [ITS] Turn gain adjustment control (R16) on LPRM card Z-31 to obtain a meter reading within $\pm 2\%$ of DR.	At panel 09-14, candidate inserts small screwdriver into upper left simulated rheostat for the 'D' APRM. Candidate turns clockwise to raise indication to ~95%. EVALUATOR In the simulator, Z-31 card can be identified but the photo's do not support reading R-16	SAT / UNSAT
18.	E. Unbypass APRM per Section E of OP-16.	N/A	SAT / UNSAT
19.	Candidate obtains OP-16 and selects section E.17	Candidate obtains procedure.	SAT / UNSAT
20.	E.17.1 Verify the following lights for APRM (*) are off at panel 09-14: INOP UPSCL NEUT TRIP UPSCL THERM TRIP	At top of panel 09-14, candidate identifies lamps for the 'D' APRM.	SAT / UNSAT
21.	E.17.2 Place APRM BYP switch for APRM (*) in center position.	At panel 09-5, candidate selects 'B' division APRM joystick to center position.	SAT / UNSAT

S/RO/NLO NEW
TASK TITLE: ST-5D

	STEP	STANDARD	EVALUATION / COMMENT
22.	E.17.3 Verify APRM (*) is returned to service using one or both of the following: APRM (*) BYPASS indicating light is off No EPIC bypassed alarm for APRM (*)	At 09-5 panel, candidate observes bypass lamp extinguished OR Candidate notes alarm typer indicates APRM bypass is OFF	SAT / UNSAT
23.	E.17.4 Verify all three APRM channels associated with the same APRM BYP switch are in service using one or both of the following: APRM BYPASS indicating lights are off for the three APRMs No EPIC bypassed alarms for the three APRMs	Candidates notes above indications for the 'B and 'F' APRM's.	SAT / UNSAT
24.	8.5.5 Record final APRM readings for adjusted APRMs in Table 1.	Candidate record final reading.	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			



OPERATIONS TRAINING PROGRAMS JOB PERFORMANCE MEASURE

JOB PERFORMANCE MEASURE

RECORD AND CHECKLIST

S/RO

NEW

TASK TITLE: EVALUATE SURVEILLANCE TEST ACCEPTANCE
CRITERIA

APPL. TO

JPM NUMBER

Current Update: 5/23/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

S/RO

NEW

TASK TITLE: EVALUATE SURVEILLANCE TEST ACCEPTANCE
CRITERIA

APPL. TO

JPM NUMBER

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. AP-03.11, OPERABILITY AND REPORTABILITY DETERMINATIONS
- B. AP-19.01, SURVEILLANCE TESTING PROGRAM
- C. ST-01B, MSIV FAST CLOSURE TEST

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. Best if conducted in the Control Room or the simulator.
- B. If performed in alternative locations, normal controlled references and prints may need to be available.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. Candidate will review a completed ST-01B Surveillance Test containing test failure data that was not recorded by the performer.
- B.

*** - CRITICAL STEP**

S/RO/NLO
TASK TITLE:

VII. INITIATING CUE

You are the Senior Nuclear Operator (SNO). Another SNO has just completed ST-01B, MSIV FAST CLOSURE TEST, and forwards it to you to complete the SNO review.

EVALUATOR

Hand copy of completed Surveillance Test to candidate.

TASK STANDARD

Acting as the Station Nuclear Operator (SNO), the candidate will evaluate the results of a surveillance test completed by another qualified individual. The candidate will recognize that the acceptance criteria are not met for 1 valve and initiate appropriate corrective measures.

	STEP	STANDARD	EVALUATION / COMMENT
1.	11.1.1 Verify required data has been recorded and is within required tolerances.	Candidate review all data recorded in Surveillance Test. Candidate may determine that step 8.4.3 does not meet acceptance criteria.	SAT / UNSAT
2.	11.1.2 Verify required initials and signatures have been entered.	Candidate review all initial/signature blocks for completion	SAT / UNSAT
3.	11.1.3 IF Level 1 Acceptance Criteria OR Level 2 LLRT valve acceptance criteria was not met, THEN perform the following: A. Sign off ST as unsatisfactory. B. Immediately notify the CRS. C. Initiate a DER. D. If necessary, initiate a PID.	Candidate will recognize that step 8.4.3 does not meet acceptance criteria and therefore check the Unsatisfactory box <u>EVALUATOR</u> When indicated, Acknowledge as the CRS and report PID and CR are being written	SAT / UNSAT

S/RO/NLO
TASK TITLE:

	STEP	STANDARD	EVALUATION / COMMENT
4.	11.1.4 IF only Level 2 Acceptance Criteria was not met, THEN perform the following: A. Sign off ST as satisfactory with corrective actions. B. Initiate either a DER or a PID. PID/DER number	This step is not applicable	SAT / UNSAT
*5.	11.1.5 Identify test results: <input type="checkbox"/> Satisfactory <input type="checkbox"/> Satisfactory with corrective actions <input type="checkbox"/> Unsatisfactory	Candidate will recognize that step 8.4.3 does not meet acceptance criteria and therefore check the Unsatisfactory box	SAT / UNSAT
6.	11.1.6 Sign and record date and time.	Candidate will sign, date and time the surveillance test	SAT / UNSAT
7.	11.1.7 Record results in SNO log.	EVALUATOR When prompted by candidate, indicate that the SNO log entry is being made.	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

20



James A. FitzPatrick Nuclear Power Plant
OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE

S/RO NEW
APPL. TO JPM NUMBER

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

REV: 0 DATE: 6/5/03 NRC K/A SYSTEM NUMBER: 2.4.21

JAF TASK NUMBER: JAF QUAL STANDARD NUMBER:

ESTIMATED COMPLETION TIME: 15 Minutes

SUBMITTED: [Signature] OPERATION REVIEW: [Signature] E. Tenbitt

APPROVED: [Signature]

CANDIDATE NAME: S.S. NUMBER:

JPM Completion: () Simulated (X) Performed

Location: () Plant (X) Simulator

DATE PERFORMED: TIME TO COMPLETE: _____ Minutes

PERFORMANCE EVALUATION: () Satisfactory () Unsatisfactory

COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____
SIGNATURE/PRINTED

CANDIDATE REVIEW: _____
SIGNATURE

REVIEWED BY: _____ DOC. COMPLETE: _____
PROGRAM ADMINISTER

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

S/RO NEW
APPL. TO JPM NUMBER

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

Current Update: 6/5/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

None

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

S/RO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE, Rev. 16

III. TOOLS AND EQUIPMENT

- A. Simulator Telephone to Instructor Console (Optional)

IV. SET UP REQUIREMENTS

- A. Reset the Simulator to any at power IC with the Generator synced to the grid.
- B. Insert Override ZA006PR98 (2), Pen 2, 06PR/FR-98 NR RX PRESS TURB STM FLOW, to fail downscale.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. EPIC has been lost.
- B. The Shift Manager has directed that ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE, section 8.4.2, TREND RECORDER CHECK, be performed.

*** - CRITICAL STEP**

S/RO/NLO NEW

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

VII. INITIATING CUE

The plant is operating normally at ~95% CTP. EPIC has been lost. The Shift Manager has directed that ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE, section 8.4, TREND RECORDER CHECK, be performed.

TASK STANDARD

Evaluation of candidate will be based on verifying that the candidate clearly checks all of the listed instrumentation PER ST-40C and identifies the faulted instrument, 06PR/FR-98 NR RX PRESS TURB STM FLOW.

	STEP	STANDARD	EVALUATION / COMMENT
1.	Candidate obtains procedure ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE	Candidate selects ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE. Candidate identifies Section 8.4, TREND RECORDER CHECK EVALUATOR Upon Section selection, hand candidate a partially performed copy of ST-40C, COMPUTER OUT OF SERVICE SURVEILLANCE	SAT / UNSAT
2.	Candidate reviews procedure	N/A	SAT / UNSAT
3.	8.4 Trend Recorder Check 8.4.2 Verify trend recorders listed below are trending data and the parameter recorded is indicating the expected value.	CANDIDATE Performs step 8.4.2- verifying each of the following instruments:	SAT / UNSAT
Note- The following Instruments are located on Panel-09-2			
* 4.	17RR-53 STACK HIGH RANGE RAD MON	CANDIDATE Initials for 17RR-53 STACK HIGH RANGE RAD MON EVALUATOR monitor candidate to ensure he/she verifies indicated value is: ~1E-1 (downscale)	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

	STEP	STANDARD	EVALUATION / COMMENT
*5.	17RR-434 TURB BLDG HI RANGE VENT MON	CANDIDATE Initials for 17RR-434 TURB BLDG HI RANGE VENT MON EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~1E-1 (downscale)</u>	SAT / UNSAT
*6.	17RR-463 RADW HI RANGE VENT MON	CANDIDATE Initials for 17RR-463 RADW HI RANGE VENT MON EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~1E-1 (downscale)</u>	SAT / UNSAT
*7.	17RR-455 RX BLDG VENT MON (BELOW REFUEL FLOOR)	CANDIDATE Initials for 17RR-455 RX BLDG VENT MON (BELOW REFUEL FLOOR) EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~25 / ~150</u>	SAT / UNSAT

Note- The following Instruments are located on Panel-09-3

*8.	16-1TR-131A TORUS TEMP A	CANDIDATE Initials for 16-1TR-131A TORUS TEMP A EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~72</u>	SAT / UNSAT
*9.	27PR-115A1 PC PRESS	CANDIDATE Initials for 27PR-115A1 PC PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~ 1.8</u>	SAT / UNSAT
*10.	27PR-115A2 PC PRESS	CANDIDATE Initials for 27PR-115A2 PC PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~5 (downscale)</u>	SAT / UNSAT
*11.	23LR-203A PC LVL	CANDIDATE Initials for 23LR-203A PC LVL EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~22 (downscale)</u>	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

	STEP	STANDARD	EVALUATION / COMMENT
*12.	23LR-202A TORUS LVL	CANDIDATE Initials for 23LR-202A TORUS LVL EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~14</u>	SAT / UNSAT
*13.	06PR-61A RX VESSEL PRESS	CANDIDATE Initials for 06PR-61A RX VESSEL PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~1040</u>	SAT / UNSAT
*14.	27PR-115B2 PC PRESS	CANDIDATE Initials for 27PR-115B2 PC PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~5 (downscale)</u>	SAT / UNSAT
*15.	27PR-115B1 PC PRESS	CANDIDATE Initials for 27PR-115B1 PC PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~1.8</u>	SAT / UNSAT
*16.	23LR-203B PC LVL	CANDIDATE Initials for 23LR-203B PC LVL EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~22 (downscale)</u>	SAT / UNSAT
*17.	23LR-202B TORUS LVL	CANDIDATE Initials for 23LR-202B TORUS LVL EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~14</u>	SAT / UNSAT
*18.	06PR-61B RX VESSEL PRESS	CANDIDATE Initials for 06PR-61B RX VESSEL PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~1060</u>	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

	STEP	STANDARD	EVALUATION / COMMENT
*19.	16-1TR-108 DW TEMP A	CANDIDATE Initials for 16-1TR-108 DW TEMP A EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~ 130</u>	SAT / UNSAT
*20.	10FR-143 RHR FLOW	CANDIDATE Initials for 10FR-143 RHR FLOW EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~0/0 (downscale)</u>	SAT / UNSAT
*21.	02-3LR-98 RX WTR LVL FUEL ZONE	CANDIDATE Initials for 02-3LR-98 RX WTR LVL FUEL ZONE EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~200 (upscale)</u>	SAT / UNSAT
*22.	16-1TR-131B TORUS TEMP B	CANDIDATE Initials for 16-1TR-131B TORUS TEMP B EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~ 70</u>	SAT / UNSAT
*23.	16-1TR-107 DW TEMP B	CANDIDATE Initials for 16-1TR-107 DW TEMP B EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~ 130</u>	SAT / UNSAT
Note- The following Instruments are located on Panel-09-4			
*24.	16-1DPR-200 DW PRESS,TORUS PRESS, DW TO TORUS DIFF PRESS	CANDIDATE Initials for 16-1DPR-200 DW PRESS,TORUS PRESS, DW TO TORUS DIFF PRESS EVALUATOR monitor candidate to ensure he/she verifies indicated value is: <u>~ 1.8 / ~0 / ~ 1.8</u>	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: PERFORM CONTROL ROOM ACTIONS FOR ST-40C

	STEP	STANDARD	EVALUATION / COMMENT
*25.	02TR-165 RWR LOOP INLET TEMP	<p>CANDIDATE Initials for 02TR-165 RWR LOOP INLET TEMP</p> <p>EVALUATOR monitor candidate to ensure he/she verifies indicated value is: ~ 530 / ~ 530</p>	SAT / UNSAT
Note- The following Instruments are located on Panel-09-5			
*26.	06LR/PR-97 WR RX PRESS RX LVL	<p>CANDIDATE Initials for 06LR/PR-97 WR RX PRESS RX LVL</p> <p>EVALUATOR monitor candidate to ensure he/she verifies indicated value is: ~ 1020 / ~ 204</p>	SAT / UNSAT
*27.	02-3LR-85B RX WTR LVL	<p>CANDIDATE Initials for 02-3LR-85B RX WTR LVL</p> <p>EVALUATOR monitor candidate to ensure he/she verifies indicated value is: ~ 190</p>	SAT / UNSAT
*28.	06PR/FR-98 NR RX PRESS TURB STM FLOW	<p>CANDIDATE Determines that 06PR/FR-98TURB STM FLOW is reading as expected.</p> <p>Determines that 06PR/FR-98 NR RX PRESS is reading unexpectedly downscale and reports to Supervision.</p> <p>EVALUATOR monitor candidate to ensure he/she verifies indicated value is: ~800 (downscale) / ~ 9.6E6</p> <p>Role Play Acting as Supervisor-Acknowledge report and direct candidate to terminate task</p>	<p>CRITICAL TASK</p> <p>SAT / UNSAT</p>
EVALUATOR: Terminate the task at this point.			

SRO NEW TASK TITLE: TECHNICAL SPECIFICATION EVALUATION AND LCO TRACKING
 APPL. TO JPM NUMBER
 REV: 0 DATE: 5/23/03 NRC K/A SYSTEM NUMBER: 2.1.12 2.9/4.0
 JAF TASK NUMBER: _____ JAF QUAL STANDARD NUMBER: _____
 ESTIMATED COMPLETION TIME: 15 Minutes
 SUBMITTED: [Signature] OPERATION REVIEW: [Signature] Sr Pike
 APPROVED: [Signature]

CANDIDATE NAME: _____ S.S. NUMBER: _____

JPM Completion: () Simulated () Performed

Location: () Plant () Simulator

DATE PERFORMED: _____ TIME TO COMPLETE: _____ Minutes

PERFORMANCE EVALUATION: ☐ Satisfactory ☐ Unsatisfactory

COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE:

JOB PERFORMANCE MEASURE

RECORD AND CHECKLIST

SRO

NEW

TASK TITLE: TECHNICAL SPECIFICATION EVALUATION AND
LCO TRACKING

APPL. TO

JPM NUMBER

Current Update: 5/23/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO

NEW

TASK TITLE: TECHNICAL SPECIFICATION EVALUATION AND
LCO TRACKING

APPL. TO

JPM NUMBER

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. Technical Specification 3.7.6, SR 3.7.6.1 and Bases
- B. ST-21Q, Main Turbine Bypass Valve Cycle Test, Rev. 0
- C. AP-19.01, SURVEILLANCE TESTING PROGRAM

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. Best if conducted in the Control Room or the simulator.
- B. If performed in alternative locations, normal controlled references and prints may need to be available.

V. EVALUATOR NOTES

- A.
- B.

VI. TASK CONDITIONS

- A. A plant startup is in progress, making preparations to enter Mode 2.
- B. ST-21Q is in progress.
- C. SNO reports that BPV-3 will not open and therefore will not meet the level 1 acceptance criteria. BPV-1 and 2 responded properly
- D. Candidate evaluates Tech Spec impact of the failure.

* - CRITICAL STEP

S/RO/NLO NEW

TASK TITLE:_TASK TITLE: TECHNICAL SPECIFICATION EVALUATION

VII. INITIATING CUE

You are the SM/CRS. The plant is currently cold shutdown. A plant startup completing a refuel outage is in progress. Preparations are being made to enter Mode 2. ST-21Q, MAIN TURBINE BYPASS VALVE CYCLE TEST, is in progress. The SNO reports that Bypass Valve Number 3 will not open and will therefore fail the level 1 acceptance criteria. Bypass Valves 1 and 2 responded properly.

EVALUATOR

Hand candidate Attachment 1, Initiating Cue

Interactive discussion may be required to facilitate this evaluation

TASK STANDARD

Candidate will review Station Technical Specifications and determine that the Bypass System is inoperable. Based upon this declaration, the candidate will initiate administrative requirements including documenting the inoperable components in the LCO tracking program per AP-12.08.

	STEP	STANDARD	EVALUATION / COMMENT
1.	Assess the report	Candidate will determine that the BPV-3 is inoperable <u>EVALUATOR</u> If requested, provide blank copy of ST-21Q	SAT / UNSAT
2.	Determine Technical Specification applicability	Candidate determines that BPV-3 has failed SR-3.7.6.1 and LCO 3.7.6 is affected.	SAT / UNSAT
*3.	Declare Bypass System inoperable	Candidate determines that Applicability of LCO is not met and LCO is therefore not applicable. Candidate also determines that plant operation is limited to <25% CTP (LCO-3.0.4)	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: TASK TITLE: TECHNICAL SPECIFICATION EVALUATION

	STEP	STANDARD	EVALUATION / COMMENT
4.		EVALUATOR If the candidate initiates any of the below, report that they are in progress: <ul style="list-style-type: none"> • Management Notifications • Problem Identification (PID) process • Corrective Action (CR) Process 	
5.	Initiate LCO tracking process	EVALUATOR Candidate prompting may be required. Candidate obtains AP-12.08 or LCO tracking binder and determines that LCO tracking is required	SAT / UNSAT
*6.	Complete AP-12.08, Attachment 1 and 2	EVALUATOR Provide candidate with blank AP-12.08 Attachment 1 and 2 Attachment 2 of this JPM contains AP-12.08 Attachment 1 and 2 key entries for this condition	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

ATTACHMENT 1

You are the SM/CRS. The plant is currently cold shutdown. A plant startup completing a refuel outage is in progress. Preparations are being made to enter Mode 2. ST-21Q, MAIN TURBINE BYPASS VALVE CYCLE TEST, is in progress. The SNO reports that Bypass Valve Number 3 will not open and will therefore fail the level 1 acceptance criteria. Bypass Valves 1 and 2 responded properly.

LCO TRACKING SHEET

Page 1 of 1

EXP4.2.5, 4.2.6, 4.2.8

LCO Tracking No. P03-001

1 DATE: TODAY 2 TIME: NOW 3 % PWR S/D 4 MODE: 4 Page 1 of

5 SYSTEM/COMPONENT or PARAMETER main Turbine Bypass System, BPV-3

6 TS/TRM/ODCM NO. 3.7.6 7 Applicable Modes: 1 2 3 4 5
Other: Thermal Power \geq 25% RTP

8 CR NO. XXYY 9 PID/WR NO. XXYY

10 CONDITION INITIATING LCO: Planned Unplanned ☒
ST-219 Failure

11 CONDITION	12 REQUIRED ACTION	13 COMPLETION TIME	
		Required by: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u>	Completed: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u> Initials: <u> </u>
		Required by: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u>	Completed: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u> Initials: <u> </u>
		Required by: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u>	Completed: Date: <u> </u> / <u> </u> / <u> </u> Time: <u> </u> : <u> </u> : <u> </u> Initials: <u> </u>

14 COMPLETE PAGE 2. RECORD NAME/DEPARTMENT NOTIFIED IF OTHER THAN OPS REQUIRED TO COMPLETE ACTION:

15 LCO 3.0.6 ENTERED ☐ YES ☒ NO ☐ NA 16 LOSS OF SAFETY FUNCTION No

17 CRS: Joe Candidate 18 SM:

CLOSEOUT 19 LCO RESTORED DATE/TIME

20 COMMENTS/CORRECTIVE ACTIONS

21 CRS: 22 SM:

This IS a Quality Record

AP-12.08
Rev. No. 3

LCO TRACKING AND SAFETY FUNCTION DETERMINATION PROGRAM

ATTACHMENT 1

Page 37 of 49

EXP4.2.10

Tracking No. _____

TS/TRM/ODCM No.: _____

CONDITION INITIATING LCO: _____

_____REQUIRED ACTION: _____

_____COMPLETION TIME (Frequency): _____

RESPONSIBLE DEPARTMENT: _____

Date							
Time/Init	/	/	/	/	/	/	/
Date							
Time/Init	/	/	/	/	/	/	/
Date							
Time/Init	/	/	/	/	/	/	/
Date							
Time/Init	/	/	/	/	/	/	/

This IS a Quality Record

AP-12.08

Rev. No. 3

LCO TRACKING AND SAFETY FUNCTION DETERMINATION PROGRAM

ATTACHMENT 1

Page 38 of 49

Page 1 of 1

TS/TRM/ODCM No.: _____

[illegible]

AP-12.08

LCO TRACKING AND SAFETY FUNCTION DETERMINATION PROGRAM

ATTACHMENT 1

Rev. No. 3Page 39 of 49

Tracking No. _____

TS/TRM/ODCM No.: _____

Continuation SheetThis IS a Quality Record

AP-12.08

Rev. No. 3

LCO TRACKING AND SAFETY FUNCTION DETERMINATION PROGRAM

ATTACHMENT 1

Page 40 of 49

SRO



James A. FitzPatrick Nuclear Power Plant
OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: AOP-28/43 Procedure Execution

REV: 0

DATE: 5/21/03

NRC K/A SYSTEM NUMBER: 2.1.20 4.3/4.2

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 10 Minutes

SUBMITTED: [Signature]

OPERATION REVIEW: [Signature] for Turbitt

APPROVED: [Signature]

~~~~~  
CANDIDATE NAME: \_\_\_\_\_

S.S. NUMBER: \_\_\_\_\_

JPM Completion: ( ) Simulated (X) Performed

Location: ( ) Plant (X) Simulator

DATE PERFORMED: \_\_\_\_\_

TIME TO COMPLETE: \_\_\_\_\_ Minutes

PERFORMANCE EVALUATION: ( ) Satisfactory ( ) Unsatisfactory

~~~~~  
COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: AOP-28/43 Procedure Execution

Current Update: 5/21/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Simulator validated 5/24/03. IC 133

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: AOP-28/43 Procedure Execution

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. AOP-28, Operation During Plant Fires, Rev. 12
- B. AOP-43, Plant Shutdown From Outside The Control Room, Rev. 28

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. MFI-FP02:Z69, Fire (smoke) alarm in North Cable Run Room inserted on trigger.
- B. MFI-FP02:Z57, Fire (smoke) alarm in Relay room inserted on same trigger on 30 second TD
- C. Override on Cable Run Room High Temp Amber and CO2 initiation Red lamps on same trigger with 10 second TD
- D. ANXXYY. Randomly select multiple horseshoe annunciators to crywolf. Assign to the same trigger at varying time delays up to 2 minutes

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. The set up above is modeling a North Cable Run Room large fire that has moved to the Relay Room in the vicinity of the Interposing Relay (annunciator) cabinets.
- B. Fire Alarm, Suppression System Actuation, and verbal report confirm a large fire in the relay room.
- C. Unexpected alarms confirm entry into AOP-28.

* - CRITICAL STEP

S/RO/NLO NEW

TASK TITLE: AOP-28/43 Procedure Execution

VII. INITIATING CUE

You are the Control Room Supervisor. Your panel operators are simulated. The plant is operating normally at 100% CTP. Respond accordingly to events unrelated to other candidates.

EVALUATOR

Have simulator operator trigger fire alarm and after a short delay, call Control Room Supervisor to report a large fire in the Relay Room

TASK STANDARD

When presented with several unexpected conditions indicating a fire and adversely effected plant indications, the candidate will conclude the need to conduct a control room evacuation via evaluation of AOP-28 and AOP-43

	STEP	STANDARD	EVALUATION / COMMENT
1.	Receive alarms	Candidate acknowledges and recognizes fire indication in north cable run room, relay room and suppression system actuation.	SAT / UNSAT
2.	Order fire brigade response per EAP-3	<u>EVALUATOR</u> When ordered, indicate that the Fire Brigade is responding as directed	SAT / UNSAT
3.	Reference AOP-28	Candidate obtains AOP-28.	SAT / UNSAT
4.	Enter AOP-28	Candidate assesses that symptoms warrant AOP-28 entry at section "C".	SAT / UNSAT
*5.	Determine applicable AOP-28 Attachment	Candidate determines that AOP-28 exit and AOP-43 entry is required	SAT / UNSAT
6.	Reference AOP-43	Candidate obtains AOP-43.	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: AOP-28/43 Procedure Execution

	STEP	STANDARD	EVALUATION / COMMENT
7.	Enter AOP-43	<p>Candidate assesses that symptoms warrant AOP-43 entry at section "C".</p> <p>EVALUATOR</p> <p>Indicate to the candidate that he smells and sees smoke. The view of the 09-5 is hazy and worsening.</p> <p>You may consider requesting additional random crywolf annunciators.</p>	SAT / UNSAT
*8.	C.1.4 IF Control Room evacuation is required, OR a loss of shutdown capability from the Control Room occurs, THEN operators perform their assigned subsection, injection must occur within 30 minutes of initial SRV actuation:	Candidate determines that a control room evacuation is required and orders operators to perform their assigned subsections.	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

520



Entergy
Nuclear Northeast

James A. FitzPatrick Nuclear Power Plant

**OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE**

SRO

NEW

TASK TITLE: EVALUATE SURVEILLANCE TEST
ACCEPTANCE CRITERIA

APPL. TO

JPM NUMBER

REV: 0

DATE: 5/23/03

NRC K/A SYSTEM NUMBER: 2.2.12 3.0/3.4

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 20 Minutes

SUBMITTED: [Signature]

OPERATION REVIEW: [Signature] for Pike

APPROVED: [Signature]

CANDIDATE NAME: _____

S.S. NUMBER: _____

JPM Completion: () Simulated () Performed

Location: () Plant () Simulator

DATE PERFORMED: _____

TIME TO COMPLETE: _____ Minutes

PERFORMANCE EVALUATION: () Satisfactory () Unsatisfactory

COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE: _____

JOB PERFORMANCE MEASURE

RECORD AND CHECKLIST

SRO

NEW

TASK TITLE: EVALUATE SURVEILLANCE TEST ACCEPTANCE
CRITERIA

APPL. TO

JPM NUMBER

Current Update: 5/23/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO

NEW

**TASK TITLE: EVALUATE SURVEILLANCE TEST ACCEPTANCE
CRITERIA**

APPL. TO

JPM NUMBER

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. AP-03.11, OPERABILITY AND REPORTABILITY DETERMINATIONS
- B. AP-19.01, SURVEILLANCE TESTING PROGRAM
- C. ST-01B, MSIV FAST CLOSURE TEST

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. Best if conducted in the Control Room or the simulator.
- B. If performed in alternative locations, normal controlled references and prints may need to be available.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. Candidate will review a completed ST-01B Surveillance Test containing test failure data that was not recorded by the performer or SNO
- B.

*** - CRITICAL STEP**

S/RO/NLO
TASK TITLE:

VII. INITIATING CUE

You are the Control Room Supervisor. The SNO has just completed ST-01B, MSIV FAST CLOSURE TEST, and forwards it to you to complete the management SRO review.

EVALUATOR

Hand copy of completed Surveillance Test to candidate.

TASK STANDARD

The candidate will evaluate a completed ST forwarded from appropriate personnel and indicating Satisfactory completion. The candidate will review and determine the ST is NOT completed satisfactory in that acceptance criteria have not been met. The candidate will initiate appropriate corrective actions.

	STEP	STANDARD	EVALUATION / COMMENT
1.	11.2.1 Verify data is within required tolerances.	Candidate review all data recorded in Surveillance Test. Candidate may determine that step 8.6.3 does not meet acceptance criteria.	SAT / UNSAT
2.	11.2.2 Verify data attachments, such as recorder printouts and calibration sheets are included as required.	This step is not applicable to this test.	SAT / UNSAT
3.	11.2.3 Verify required initials and signatures have been entered.	Candidate review all initial/signature blocks for completion	SAT / UNSAT
*4.	11.2.4 Review test to determine if test results satisfy acceptance criteria: <input type="checkbox"/> Satisfactory <input type="checkbox"/> Satisfactory with corrective actions <input type="checkbox"/> Unsatisfactory	Candidate will recognize that step 8.6.3 does not meet acceptance criteria and therefore check the Unsatisfactory box	SAT / UNSAT
5.	11.2.5 IF Level 1 acceptance criteria is not satisfied, THEN immediately notify Operations Manager or alternate. Record name of person notified.	Candidate will make the required notification <u>EVALUATOR</u> Receive and acknowledge the notification	SAT / UNSAT

S/RO/NLO
TASK TITLE:

	STEP	STANDARD	EVALUATION / COMMENT
6.	11.2.6 Initiate required corrective and compensatory actions. <input type="checkbox"/> Not required <input type="checkbox"/> Required	Candidate will indicate the need to complete a Tech Spec review, Condition Report and PID and check the Required box. EVALUATOR Report to candidate that all are in progress.	SAT / UNSAT
7.	11.2.7 Sign and record date and time. Management SRO Date/Time	Candidate will sign, date and time the surveillance test	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

SRD



Entergy
Nuclear Northeast

James A. FitzPatrick Nuclear Power Plant

**OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE**

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: CANAL DISCHARGE APPROVAL

REV: 0

DATE: 5/23/03

NRC K/A SYSTEM NUMBER: 2.3.6 2.1/3.1

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 30 Minutes

SUBMITTED: *[Signature]*

OPERATION REVIEW: *[Signature] for Pike*

APPROVED: *[Signature]*

~~~~~  
CANDIDATE NAME: \_\_\_\_\_

S.S. NUMBER: \_\_\_\_\_

JPM Completion:    ( ) Simulated        ( X ) Performed

Location:            ( ) Plant                ( X ) Simulator

DATE PERFORMED: \_\_\_\_\_

TIME TO COMPLETE: \_\_\_\_\_ Minutes

PERFORMANCE EVALUATION:    ( ) Satisfactory        ( ) Unsatisfactory

~~~~~  
COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: CANAL DISCHARGE APPROVAL

Current Update: 5/23/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Simulator validated 5/24/03. Any IC

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO
APPL. TO

NEW
JPM NUMBER

TASK TITLE: CANAL DISCHARGE APPROVAL

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. OP-49, LIQUID RADIOACTIVE WASTE SYSTEM, Rev. 51

III. TOOLS AND EQUIPMENT

- A. Calculator

IV. SET UP REQUIREMENTS

- A. Simulator in any operating configuration with tempering gate full closed
- B. 17RM-350 data sheet containing background and K-factor is posted at 09-11
- C. Operator Aid 446 available in Shift Manager Office
- D. Partially completed Canal Discharge Worksheet (OP-49 Attachment 5).
- E. Confirm or correct calculations for current revisions of Op Aid 446 and Liquid Process Monitor Cal Data

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A. Candidate is presented with a partially completed Canal Discharge Worksheet.
- B. Candidate completes worksheet and sets 17RM-350 for canal discharge.

*** - CRITICAL STEP**

S/RO/NLO NEW
TASK TITLE: CANAL DISCHARGE APPROVAL

VII. INITIATING CUE

You are the Shift Manager. Waste Sample Tank A has been in recycle for the last 3 hours. Complete this Canal Discharge Worksheet and set the radiation monitor in preparation for discharging the sample tank.

EVALUATOR

Hand partially completed Canal Discharge Worksheet to candidate.

TASK STANDARD

From the supplied Canal Discharge Worksheet and OP-49, Section E.23, the candidate will compute the appropriate setpoints and adjust the isolation setpoints on the radwaste liquid process radiation monitor.

	STEP	STANDARD	EVALUATION / COMMENT
1.	Select procedure	Candidate selects OP-49, Section E.23	SAT / UNSAT
2.	7. Liquid rad monitor (17RM-350) background cps	Candidate records 43 from Liquid Process Monitor Cal Data posted at 09-11 panel <u>EVALUATOR</u> A copy of the 09-11 cal data posting is attached for candidate use.	SAT / UNSAT
3.	8. Liquid rad monitor (17RM-350) K-factor $\mu\text{Ci}/\text{ml}/\text{cps}$	Candidate records 2.09E-7 from Liquid Process Monitor Cal Data posted at 09-11 panel <u>EVALUATOR</u> A copy of the 09-11 cal data posting is attached for candidate use.	SAT / UNSAT
4.	9. Tempering gate/flow %	Candidate obtains EPIC value of 0% (EPIC-A-3547)	SAT / UNSAT
5.	10. Calculate Canal Flow Rate (CFR):	396,000	SAT / UNSAT
6.	11. Calculate Canal Dilution Factor (CDF):	5.05E-5	SAT / UNSAT
7.	12. Calculate FL:	5.05E-3	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: CANAL DISCHARGE APPROVAL

	STEP	STANDARD	EVALUATION / COMMENT
8.	13. Calculate Background Correction Activity (BCA) in $\mu\text{Ci/ml}$:	5.6E-6	SAT / UNSAT
*9.	14. Calculate Hi/Hi setpoint in $\mu\text{Ci/ml}$:	3.8E-2	SAT / UNSAT
*10.	15. Calculate Hi setpoint in $\mu\text{Ci/ml}$:	1.9E-2	SAT / UNSAT
*11.	16. Obtain 17RM-350 potentiometer setting for Hi-Hi setpoint from OPAID 446.	Approximately 8.8 turns EVALUATOR A copy of the Operator Aid 446 curve is attached for candidate use.	SAT / UNSAT
*12.	17. Obtain 17RM-350 potentiometer setting for Hi setpoint from OPAID 446.	Approximately 8.4 turns	SAT / UNSAT
13.	18. Enter potentiometer settings for Hi and Hi-Hi setpoints on Discharge Permit Section B and attach this worksheet to the discharge permit.	EVALUATOR Indicate that this activity is complete	SAT / UNSAT
*14.	Adjust 17RM-350 setpoints	At panel 09-11, candidate unlocks HI and HI-HI Potentiometers and adjusts to 8.4 and 8.8 turns respectively. Candidate re-locks the potentiometers.	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

DATA

1. Number of running circulating water pumps (36P-1A/B/C) 3
2. Number of running service water pumps (46P-1A/B/C) 2
3. Tank Discharge Flow Rate (maximum) TDFR 20 gpm
4. Tank Activity (ACT) 3.8×10^{-4} 3.8 $\times 10^{-4}$ $\mu\text{Ci/ml}$ (from discharge permit)
5. Required Dilution Factor (DF) 100 (from discharge permit)
6. Liquid rad monitor (17RM-350) reading 70 cps
(EPIC-A-1209)

NOTE 1: Items 7 and 8 are obtained at panel 09-14

NOTE 2: Background should be maintained **LESS THAN** 1000 cps.
It is recommended that the detector canister be flushed
to levels below this prior to discharge.

7. Liquid rad monitor (17RM-350) background 43 cps
8. Liquid rad monitor (17RM-350) K-factor 2.09×10^{-7} 2.09 $\times 10^{-7}$ $\mu\text{Ci/ml/cps}$
9. Tempering gate/flow 0 %
(EPIC-A-3547)

CALCULATIONS

10. Calculate Canal Flow Rate (CFR):

$$\text{CFR} = \frac{(\#1 \times 120,000) + (\#2 \times 18,000)}{1 - (\#9 \div 100)} = \frac{396,000}{1 - (0 \div 100)} = \underline{396,000} \text{ gpm}$$

11. Calculate Canal Dilution Factor (CDF):

$$\text{CDF} = \frac{\text{TDFR}}{\text{CFR}} = \frac{\#3}{\#10} = \frac{20}{396,000} = \underline{5.05 \times 10^{-5}}$$

12. Calculate F_L :

$$F_L = \text{CDF} \times \text{DF} = \#11 \times \#5 = \underline{5.05 \times 10^{-3}}$$

13. Calculate Background Correction Activity (BCA) in $\mu\text{Ci/ml}$:

$$\text{BCA} = (\#6 - \#7) \times \#8 = \underline{5.6 \times 10^{-6}} \mu\text{Ci/ml}$$

COMPLETED FORMS ARE ATTACHED TO THE DISCHARGE PERMIT

OP-49

Rev. No. 51LIQUID RADIOACTIVE
WASTE SYSTEM

ATTACHMENT 5

Page 214 of 216

14. Calculate Hi/Hi setpoint in $\mu\text{Ci}/\text{ml}$:

$$\text{Hi/Hi} = \frac{(\text{ACT})}{2 \times F_1} = \frac{\#4}{2 \times \#12} + \#13 = \underline{3.8 \times 10^{-2}} \mu\text{Ci}/\text{ml}$$

15. Calculate Hi setpoint in $\mu\text{Ci}/\text{ml}$:

$$\text{Hi} = \frac{(\text{ACT})}{4 \times F_1} = \frac{\#4}{4 \times \#12} + \#13 = \underline{1.9 \times 10^{-2}} \mu\text{Ci}/\text{ml}$$

16. Obtain 17RM-350 potentiometer setting for Hi-Hi setpoint from OPAID 446.

Hi/Hi 23.8

17. Obtain 17RM-350 potentiometer setting for Hi setpoint from OPAID 446.

Hi 5.2

18. Enter potentiometer settings for Hi and Hi-Hi setpoints on Discharge Permit Section B and attach this worksheet to the discharge permit.

Performed by (SM) _____

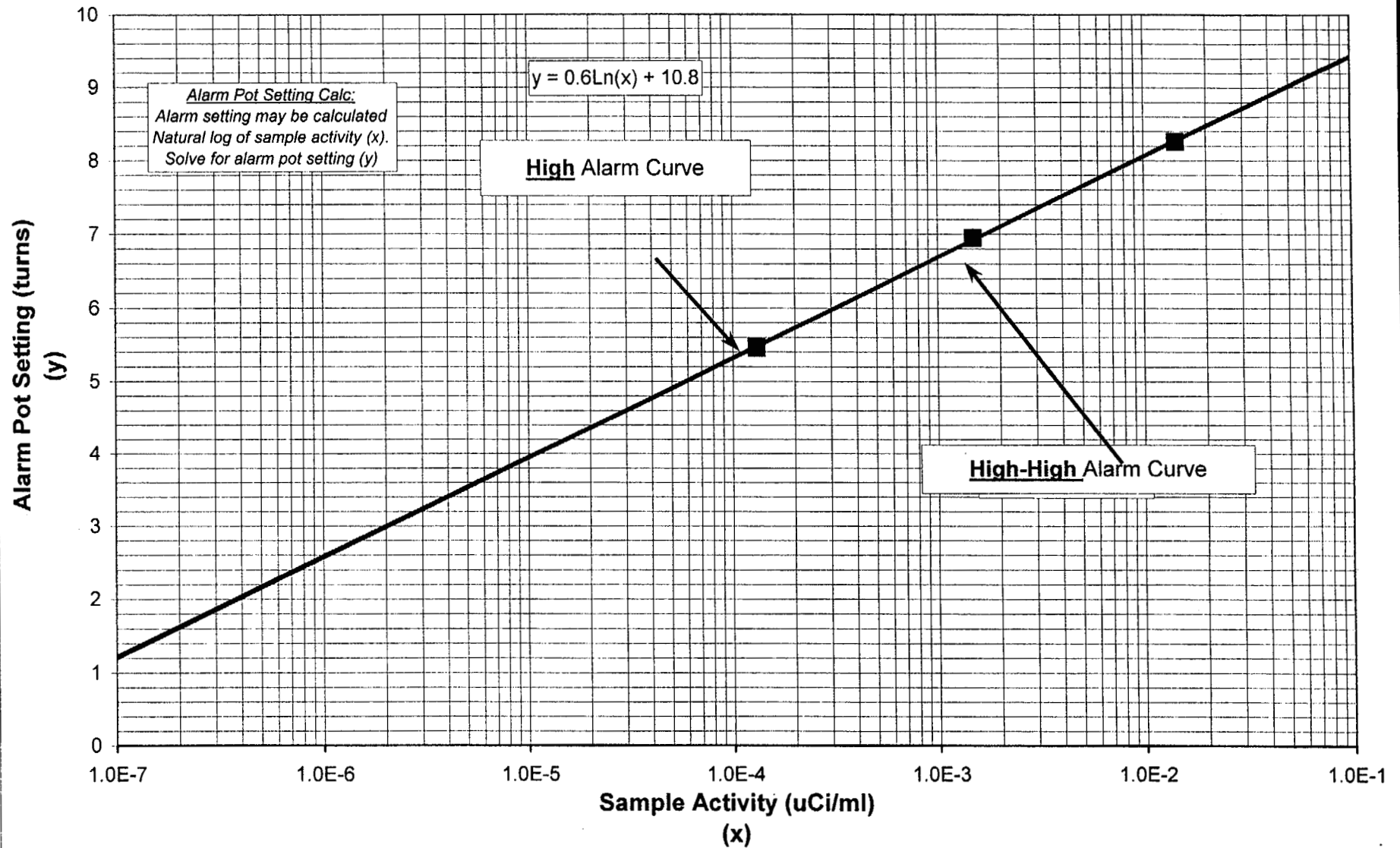
Print/Sign/Date _____

Independent Verification _____

Print/Sign/Date _____

COMPLETED FORMS ARE ATTACHED TO THE DISCHARGE PERMIT

Liquid Radwaste Effluent Monitor Sample Activity vrs. Alarm Pot Setting



NOTE: ----->> INCREASING ACTIVITY ----->>

■ HIGH ALARM POT

▲ HIGH-HIGH ALARM POT

Cal Date: 5/13/03

LIQUID PROCESS MONITOR CAL CATA

Page 1 of 1

TO CALCULATE ACTIVITY:

$$\begin{array}{ccccc} \text{Activity} & = & \text{Monitor Reading} & - & \text{Background} \times \text{K-Factor} \\ (\text{uCi/ml}) & & (\text{cps}) & & (\text{cps}) \quad (\text{uCi/ml/cps}) \end{array}$$

MONITOR ID	ID #	CAL DATE	BACKGROUND cps	K FACTOR uCi/ml cps
RADWASTE LIQUID	17RM-350	5/13/03	43	2.09E-7
NORMAL SERVICE WATER	17RM-351	4/29/03	2	2.30E-7
RBCLC	17RM-352	12/26/02	20	2.30E-7

DATE POSTED: 5/13/03

CHEM TECHNICIAN: *Kevin D. Siferd*

APPROVED FOR POSTING:

James Schultz
CHEM/RADIOCHEM SUPERVISOR

SP-03.07

Rev. No. 5

LIQUID PROCESS RADIATION
MONITORS

ATTACHMENT 7

Page 57 of 60

DATA

1. Number of running circulating water pumps (36P-1A/B/C) 3
2. Number of running service water pumps (46P-1A/B/C) 2
3. Tank Discharge Flow Rate (maximum) TDFR 20 gpm
4. Tank Activity (ACT) 3.8×10^{-4} 3.8 $\times 10^{-4}$ $\mu\text{Ci/ml}$ (from discharge permit)
5. Required Dilution Factor (DF) 100 (from discharge permit)
6. Liquid rad monitor (17RM-350) reading 70 cps
(EPIC-A-1209)

NOTE 1: Items 7 and 8 are obtained at panel 09-14

NOTE 2: Background should be maintained **LESS THAN** 1000 cps.
It is recommended that the detector canister be flushed
to levels below this prior to discharge.

7. Liquid rad monitor (17RM-350) background _____ cps
8. Liquid rad monitor (17RM-350) K-factor _____ $\mu\text{Ci/ml/cps}$
9. Tempering gate/flow _____ %
(EPIC-A-3547)

CALCULATIONS

10. Calculate Canal Flow Rate (CFR):

$$\text{CFR} = \frac{(\#1 \times 120,000) + (\#2 \times 18,000)}{1 - (\#9 \div 100)} = \text{_____} \text{ gpm}$$

11. Calculate Canal Dilution Factor (CDF):

$$\text{CDF} = \frac{\text{TDFR}}{\text{CFR}} = \frac{\#3}{\#10} = \text{_____}$$

12. Calculate F_L :

$$F_L = \text{CDF} \times \text{DF} = \#11 \times \#5 = \text{_____}$$

13. Calculate Background Correction Activity (BCA) in $\mu\text{Ci/ml}$:

$$\text{BCA} = (\#6 - \#7) \times \#8 = \text{_____} \mu\text{Ci/ml}$$

COMPLETED FORMS ARE ATTACHED TO THE DISCHARGE PERMIT

OP-49

Rev. No. 51LIQUID RADIOACTIVE
WASTE SYSTEM

ATTACHMENT 5

Page 214 of 216

- $$\text{Hi/Hi} = \frac{(\text{ACT})}{2 \times F_{\text{L}}} = \frac{\#4}{2 \times \#12} + \#13 = \underline{\hspace{2cm}} \mu\text{Ci/ml}$$

- $$H_i = \frac{(ACT)}{4 \times F_L} = \frac{\#4}{4 \times \#12} + \#13 = \underline{\hspace{2cm}} \mu\text{Ci/ml}$$

- Hi / Hi

- Hi _____

- Performed by (SM) _____
Print/Sign/Date

Independent Verification _____
Print/Sign/Date

OP-49 LIQUID RADIOACTIVE ATTACHMENT 5
Rev. No. 51 WASTE SYSTEM Page 215 of 216

James A. FitzPatrick Nuclear Power Plant
OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE

SRO

NEW

**TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 1**

APPL. TO

JPM NUMBER

REV: 0

DATE: 5/25/03

NRC K/A SYSTEM NUMBER: 2.4.41 4.1

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 10 Minutes

SUBMITTED: BW Allen

OPERATION REVIEW: Rhodes to 10ab, ft

APPROVED: [Signature]

CANDIDATE NAME: _____

S.S. NUMBER: _____

JPM Completion: () Simulated (X) Performed

Location: () Plant (X) Simulator

DATE PERFORMED: _____

TIME TO COMPLETE: _____ Minutes

PERFORMANCE EVALUATION: ☐ Satisfactory ☐ Unsatisfactory

COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

SRO

NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 1

APPL. TO

JPM NUMBER

Current Update: 5/25/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO

NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 1

APPL. TO

JPM NUMBER

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. JAF Emergency Plan Implementing Procedures IAP-2, Rev. 23

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. This JPM is completed as followup after the scenario progress has been frozen.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A.
- B.

*** - CRITICAL STEP**

S/RO/NLO NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION FOR SCENARIO 1

VII. INITIATING CUE

Based on the events that have just occurred determine if the current circumstances warrant classification in accordance with the JAF Emergency Plan and, if so, determine the appropriate classification level.

TASK STANDARD

The candidate will evaluate the events and resulting plant conditions from the scenario and declare the E-plan emergency level using IAP-2, Attachment 2.1

	STEP	STANDARD	EVALUATION / COMMENT
1.	Obtain/Approach IAP-2, Attachment 2.1	Candidate obtains the procedure or approaches the posted attachment.	SAT / UNSAT
2.	Recognize the applicable conditions	Candidate recognizes that the scenario events included a non isolable RWCU leak into the Reactor Building. Candidate may also recognize that an Emergency Depressurization was required.	SAT / UNSAT
3.	Confirm the conditions	Candidate reviews IAP-2 Technical Bases for expected declarations.	SAT / UNSAT

S/RO/NLO NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION FOR SCENARIO 1

	STEP	STANDARD	EVALUATION / COMMENT
*4.	Classify the event	<p>Candidate selects</p> <p>SAE-3.4.1 Any steam line or RWCU isolation failure resulting in a release pathway outside primary containment, Table 3.1</p> <p>Table 3.1</p> <p>MSLs</p> <p>HPCI</p> <p>RCIC</p> <p>If scenario progression resulted in a required Emergency Depressurization, candidate may alternatively select</p> <p>SAE-4.1.1 Primary system is discharging outside PC AND RB area temperatures are > maximum safe operating levels in two or more areas, EOP-5</p>	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			

SR6



Entergy
Nuclear Northeast

James A. FitzPatrick Nuclear Power Plant

**OPERATIONS TRAINING PROGRAMS
JOB PERFORMANCE MEASURE**

SRO

NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 2

APPL. TO

JPM NUMBER

REV: 0

DATE: 5/25/03

NRC K/A SYSTEM NUMBER: 2.4.41 4.1

JAF TASK NUMBER: _____

JAF QUAL STANDARD NUMBER: _____

ESTIMATED COMPLETION TIME: 10 Minutes

SUBMITTED: *RW Shuler*

OPERATION REVIEW: *RW Shuler for Toabitt*

APPROVED: *Sto Z*

~~~~~  
CANDIDATE NAME: \_\_\_\_\_

S.S. NUMBER: \_\_\_\_\_

JPM Completion: ( ) Simulated ( ) Performed

Location: ( ) Plant ( ) Simulator

DATE PERFORMED: \_\_\_\_\_

TIME TO COMPLETE: \_\_\_\_\_ Minutes

PERFORMANCE EVALUATION: ( ) Satisfactory ( ) Unsatisfactory

~~~~~  
COMMENTS: (MANDATORY FOR UNSATISFACTORY PERFORMANCE)

EVALUATOR: _____

SIGNATURE/PRINTED

CANDIDATE REVIEW: _____

SIGNATURE

REVIEWED BY: _____

PROGRAM ADMINISTER

DOC. COMPLETE: _____

**JOB PERFORMANCE MEASURE
RECORD AND CHECKLIST**

SRO

NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 2

APPL. TO

JPM NUMBER

Current Update: 5/25/03
Date

By: RWD
Int.

Outstanding Items:

☐ Technical Review

☐ Additional Information

☐ Questions and Answers

☐ Validation

☐ Procedural Change Required

☐ None

Comments:

Previous Revision Dates:

**JOB PERFORMANCE MEASURE
REQUIRED TASK INFORMATION**

SRO

NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION
FOR SCENARIO 2

APPL. TO

JPM NUMBER

I. SAFETY CONSIDERATIONS

- A. Ensure proper safety equipment and safety procedures are observed.

II. REFERENCES

- A. JAF Emergency Plan Implementing Procedures IAP-2, Rev. 23

III. TOOLS AND EQUIPMENT

- A. None

IV. SET UP REQUIREMENTS

- A. This JPM is completed as followup after the scenario progress has been frozen.

V. EVALUATOR NOTES

- A. If performing JPM in the plant, inform the candidate that the conditions of each step need only be properly identified and not actually performed.
- B. The candidate should, at a minimum, identify the change in equipment status light indication when equipment operation is simulated.

VI. TASK CONDITIONS

- A.
- B.

*** - CRITICAL STEP**

S/RO/NLO NEW

TASK TITLE: LOI-03-01 NRC EXAM E-PLAN DECLARATION FOR SCENARIO 2

VII. INITIATING CUE

Based on the events that have just occurred determine if the current circumstances warrant classification in accordance with the JAF Emergency Plan and, if so, determine the appropriate classification level.

TASK STANDARD

The candidate will evaluate the events and resulting plant conditions from the scenario and declare the E-plan emergency level using IAP-2, Attachment 2.1

	STEP	STANDARD	EVALUATION / COMMENT
1.	Obtain/Approach IAP-2, Attachment 2.1	Candidate obtains the procedure or approaches the posted attachment.	SAT / UNSAT
2.	Recognize the applicable conditions	Candidate recognizes that the scenario events included an ATWS condition with a challenge to primary containment integrity.	SAT / UNSAT
3.	Confirm the conditions	Candidate reviews IAP-2 Technical Bases for expected declarations.	SAT / UNSAT
*4.	Classify the event	Candidate selects SAE-2.2.2 Any RPS setpoint has been exceeded AND Automatic and manual scrams fail to result in a control rod pattern which assures reactor shutdown under all conditions without boron AND Either: Reactor power > 2.5% OR Torus temperature > Boron Injection Initiation Temperature	SAT / UNSAT
EVALUATOR: Terminate the task at this point.			