

Perry

January 2001

**PROPOSED
OPERATING TEST**

INITIAL SUBMITTAL OF ADMINISTRATIVE JPMS

FOR THE PERRY INITIAL EXAMINATION - JANUARY 2001

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a**

Facility: PERRY Task No: 299-706-03-01

JPM No: A.1.a

Task Title: Verify a Working Copy of a Procedure Current Prior to Use

K/A Reference: GEN 2.1.21 _____

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance	_____	Actual Performance	<u>X</u>
Classroom	<u>X</u>	Simulator	<u>X</u>
		Plant	<u>X</u>

READ TO THE EXAMINEE

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a**

Task Standard: Working copy of SVI-R10-T5227 is verified current prior to use in accordance with PAP-0501, Plant Operations Manual.

Required Materials: Copy of SVI-R10-T5227, Off-Site Power Availability Verification **Revision 0, PIC #1**

General References: PAP-0501, Plant Operations Manual
Revision 13

Initial Conditions: The plant is operating at power. The weekly performance of SVI-R10-T5227, Off-Site Power Availability Verification, is due today. You have been assigned to perform this surveillance.

Initiating Cue: Verify that this working copy of SVI-R10-T5227 is current prior to use in accordance with PAP-0501, Plant Operations Manual.

Time Critical Task: YES/NO

X

Validation Time: 15 minutes

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a**

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

-
- | | |
|-------------------------------------|---|
| <div>Step#
* 1.
_____</div> | <p>A working copy shall be verified current prior to use, by performing the following:</p> <ul style="list-style-type: none">a. Verify that the working copy is still current using EDMS, an Updated Volume, or by contacting Procedures Personnel.b. Ensure the cover page is marked working copy.c. Initial and date the cover page to certify the verification was completed. |
| <p>STANDARD:</p> | <ul style="list-style-type: none">a. Verifies that working copy of SVI-R10-T5227 is <u>not</u> updated to Revision 0, PIC 2, using EDMS, an Updated Volume, or by contacting Procedures Personnel.b. Does <u>not</u> annotate on the cover page that the surveillance procedure is a 'working copy'.c. Does <u>not</u> initial and date the cover page to certify the verification was completed. |
| <p>COMMENTS:</p> | <ul style="list-style-type: none">1. This step is faulted. The working copy of SVI-R10-T5227 is not up to date. (Revision 0, PIC #2 is the latest version)2. The candidate references PAP-0501, Section 6.4.3.3. EDMS is an 'electronic database management system' and requires access to a computer.4. An 'updated volume' is identified as 'Updated Copy, Controlled Copy No. ____' or 'Updated Controlled Copy No. ____' and contains green pages.5. 'Updated Volumes' can be found in the TEC Reference Library, TEC Simulator, and the Plant Control Room.6. Cue the candidate to obtain an updated copy of SVI-R10-T5227. |

SAT / UNSAT START TIME: _____

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a

 * 2. **If the Working Copy is not current, obtain a new working copy.**

STANDARD: Obtains a new working copy of SVI-R10-T5227 that is updated to Revision 0, PIC #2.

COMMENTS: The candidate should reproduce a new working copy of SVI-R10-T5227 either from EDMS by xeroxing an Updated Volume.

SAT / UNSAT

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a

- * 3. **A working copy shall be verified current prior to use, by performing the following:**
- a. Verify that the working copy is still current using EDMS, an Updated Volume, or by contacting Procedures Personnel.**
 - b. Ensure the cover page is marked working copy.**
 - c. Initial and date the cover page to certify the verification was completed.**

- STANDARD:**
- a. Verifies that working copy of SVI-R10-T5227 is updated to Revision 0, PIC 2, using EDMS, an Updated Volume, or by contacting Procedures Personnel.
 - b. Annotates on the cover page that the surveillance procedure is a 'working copy'.
 - c. Initials and dates the cover page to certify the verification was completed.

- COMMENTS:**
- 1. The candidate references PAP-0501, Section 6.4.3.
 - 2. EDMS is an 'electronic database management system' and requires access to a computer.
 - 3. An 'updated volume' is identified as 'Updated Copy, Controlled Copy No. ____' or 'Updated Controlled Copy No. ____' and contains green pages.
 - 4. 'Updated Volumes' can be found in the TEC Reference Library, TEC Simulator, and the Plant Control Room.
 - 5. Marking of the surveillance procedure as a 'working copy' can be done by pen and ink or using a stamp (if available).
 - 6. 'Initials and date' are usually located near the 'working copy' annotation on the cover sheet.

SAT / UNSAT STOP TIME: _____

TERMINATING CUES: Working copy of SVI-R10-T5227 is verified current prior to use.

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.a**

VERIFICATION OF COMPLETION

Job Performance Measure No. A.1.a

Examinee's Name: _____

Examiner's Name: _____

Date performed: _____

Results: Circle One SAT UNSAT

Time to complete: _____

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.1.a
Attachment #1**

- Initial Conditions:** The plant is operating at power. The weekly performance of SVI-R10-T5227, Off-Site Power Availability Verification, is due today. You have been assigned to perform this surveillance.
- Initiating Cue:** Verify that this working copy of SVI-R10-T5227 is current prior to use in accordance with PAP-0501, Plant Operations Manual.

Admin JPM A.1.a

Reference Materials

[illegible]

6.4.3 Verifying a Working Copy:

NOTE: A copy printed from EDMS is verified to be current only at the time it is printed. Subsequent use of the document requires verification that it is still current.

1. A Working Copy shall be verified current prior to use, by performing the following:
 - a. Verify that the Working Copy is still current using EDMS, an Updated Volume or by contacting Procedures Personnel.
 - b. Ensure the cover page is marked "Working Copy".
 - c. Initial and date the cover page to certify the verification was completed.
2. If the working Copy is not current, obtain a new working copy.

6.5 Maintenance of Controlled Copies

6.5.1 **Procedures Personnel:** Distribute Controlled Copies using the Document Transmittal (PNPP No. 7362) per <NQI-0535>.

6.5.2 **Holder of Controlled Volume or Designee:**

1. Maintain Controlled Copies current by inserting the documents on the effective dates as indicated on the cover sheet of each document.
 - If a document is received after the effective date, incorporate the document immediately into the appropriate volume.
2. When entering revised procedures and instructions into a volume, remove and discard the superseded documents after inserting the revised documents in their place.
3. When entering a change into a procedure or instruction, insert the pages as explained on the transmittal, and remove and discard the superseded pages.
 - If the document is being canceled, remove the canceled document from the manual and discard.
4. Following document incorporation, sign Document Transmittal and return the form to Procedures.

6.6 On Hold Program

Only Instructions may be placed On Hold per <PAP-0507>.

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.b

Facility: PERRY Task No: 299-755-03-01

JPM No: A.1.b

Task Title: Determine the Effect of Relay B21-K129B Failure

K/A Reference: GEN 2.1.24 _____

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance	_____	Actual Performance	<u>X</u>
Classroom	<u>X</u>	Simulator	<u>X</u>
		Plant	<u>X</u>

READ TO THE EXAMINEE

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.b**

Task Standard: Failure of Relay 1B21-K129B (relay de-energizes) results in the closure of valves E12-F009 and E12-F053B and an isolation signal to valve E12-F037B, as determined by the Plant Electrical Drawings, B208 Series.

Required Materials: Plant Electrical Drawings – B208 Series

General References: Plant Electrical Drawings – B208 Series

Initial Conditions: The plant is in MODE 4. An I&C Technician, while performing visual inspections of Agastat relays in the Control Room, reports that NS4 Relay 1B21-K129B shows signs of severe overheating with the potential to fail at any moment. This relay is currently energized.

Initiating Cue: The Unit Supervisor directs you to determine the effect(s) on system operation if Relay 1B21-K129B were to fail in accordance with the Plant Electrical Drawings, B208 Series.

Time Critical Task: YES/NO

X

Validation Time: 20 minutes

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.b

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

Step#

- * 1. **Using the Plant Electrical Drawings, B208 Series, determine the effect(s) on system operation if Relay 1B21-K129B were to fail.**

STANDARD: Failure of Relay 1B21-K129B (relay de-energizes) results in the closure of valves E12-F009 and E12-F053B and an isolation signal to valve E12-F037B.

NOTE: see Comments Section below for a detailed discussion of the determination of the effect(s) of Relay B21-K129B failure.

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.b

- COMMENTS:
1. Plant Electrical Drawings, B208 Series, are located in the TEC Reference Library, TEC Simulator, and the Plant Control Room.
 2. If candidate asks the status of RHR in the Shutdown Cooling Mode, inform the candidate that RHR Loop B is currently running in the Normal SDC Mode.
 3. Detailed discussion of Relay B21-K129B failure.
 - a. B208-013 Sh H02 – Identifies Relay B21K129B; go to Sh H12
 - b. B208-013 Sh H12 – On Line 05, shows Relay B21-K129B; also includes reference to B208-055 Sh A09
 - c. B208-013 Sh H21 – On Line 17, K129 'b' contact closes to cause valve E12-F009 to automatically close when Relay B21-K129B de-energizes
 - d. B208-055 Sh A09 – On Line 03, K129 'b' contact closes to energize Relay E12-K111B
 - e. B208-055 Sh 03 – Identifies Relay E12-K111B; go to Sh 45 and Sh 47
 - f. B208-055-Sh 45 – On Line 15, contact K111B closes to cause valve E12-F037B to remain closed when Relay E12-K111B energizes
 - g. B208-055-Sh 47 – On Line 15, contact K111B closes to cause valve E12-F053B to automatically close when Relay E12-K111B energizes

START TIME: _____

SAT / UNSAT STOP TIME: _____

TERMINATING CUES: Failure of Relay 1B21-K129B (relay de-energizes) results in the closure of valves E12-F009 and E12-F053B and an isolation signal to valve E12-F037B.

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.1.b

VERIFICATION OF COMPLETION

Job Performance Measure No. A.1.b

Examinee's Name: _____

Examiner's Name: _____

Date performed: _____

Results: Circle One SAT UNSAT

Time to complete: _____

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.1.b
Attachment #1**

- Initial Conditions:** The plant is in MODE 4. An I&C Technician, while performing visual inspections of Agastat relays in the Control Room, reports that NS4 Relay 1B21-K129B shows signs of severe overheating with the potential to fail at any moment. This relay is currently energized.
- Initiating Cue:** The Unit Supervisor directs you to determine the effect(s) on system operation if Relay 1B21-K129B were to fail in accordance with the Plant Electrical Drawings, B208 Series.

Admin JPM A.1.b

Reference Materials

INSTRUMENT FAILURE RESPONSE MANUAL

TRIP INSTRUCTIONS

MPL No. B21-N679B

Purpose: REACTOR VESSEL PRESSURE - HIGH
Location: H13-P692
Type: ROSEMOUNT SLAVE TRIP UNIT

Safety Division: 2
Operational Mode: 1 2 3

Set Point: SEE MSL

Transmitter MPL No.: B21-N078B

Location: H22-P027

Power Supply: 1C71-K613B

Location: H13-P692

Fuses: C71F33

Elem Drawings:
208-013-H15

SVI'S:
B21-T0033B
B21-T5363B
B21-T0032B

Tech Specs:
3.3.6.1-1.5.c

Relays:
B21-K124B
B21-K129B
B21-K54B

Comp. Pt's:
B21EC189

Other Drawings:
302-606
803-010-25
803-040-501A
803-040-501B

Alarm Locations:

Alarm Legends:

Control Action:

1. De-energizes K124B

a. De-energizes K54B

1) Goes to C95 point B21EC189

b. De-energizes K129B

- 1) ISOLATION/OPEN PERMISSIVE for E12-F009
(RHR SHUTDOWN COOLING SUCTION VALVE, INBOARD)
- 2) ISOLATION/OPEN PERMISSIVE for E12-F053B
(RHR SHUTDOWN COOLING DISCHARGE VALVE)
- 3) ISOLATION/OPEN PERMISSIVE FOR E12-F037B (RHR SHUTDOWN COOLING UPPER POOL)

REMARKS:

Closure of E12-F009 isolates both A and B loops of RHR Shutdown Cooling.

Place TRIP UNIT in trip condition:
Remove Trip Unit B21N679B from 1H13-P692

REMARKS: _____

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2(RO)

Facility: PERRY Task No: 299-613-03-01
299-716-03-01
299-903-03-01

JPM No: A.2(RO)

Task Title: Review (Peer Check) a Completed Surveillance

K/A Reference: GEN 2.2.12 3.0 _____

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance	_____	Actual Performance	_____	<u>X</u>
Classroom	<u>X</u>	Simulator	<u>X</u>	Plant <u>X</u>

READ TO THE EXAMINEE

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2(RO)**

Task Standard: Surveillance SVI-P47-T2001A has been reviewed with at least 8 of 10 known discrepancies identified in accordance with PAP-1105, Surveillance Test Control.

Required Materials: Marked up SVI-P47-T2001A, Control Complex Chilled Water A Pump and Valve Operability Test Revision 1, PIC 5

General References: PAP-1105, Surveillance Test Control Revision 9, PIC 5

Initial Conditions: A Control Room Supervising Operator has just completed the performance of SVI-P47-T2001A, Control Complex Chilled Water A Pump and Valve Operability Test. He has requested a peer check of the completed surveillance by another Supervising Operator before he forwards the surveillance to the Unit Supervisor.

Initiating Cue: As a Supervising Operator, perform a peer check of the completed surveillance, including the Data Package Cover Sheet, in accordance with PAP-1105, Surveillance Test Control.

Provide candidate with marked up copy of SVI-P47-T2001A.

Time Critical Task: YES/NO

X

Validation Time: 30 minutes

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2(RO)**

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

Step#

 * 1. **Review the completed surveillance SVI-P47-T2001A.**

STANDARD: A review of the completed surveillance SVI-P47-T2001A identifies the following discrepancies:

- | | | |
|-------------|----------|---|
| <u> </u> | DPCS | No 'Date and Time' in the 'Authorization to Start Test' block. |
| <u> </u> | DPCS | 'Tech Spec/Relocated Requirements Criteria' block is incorrectly checked as 'ACCEPTABLE'. |
| <u> </u> | Page 2 | Prerequisite 4.0.4 is not signed off. |
| <u> </u> | Page 6 | Section 5.1.1, Step 1.c – Valve stroke time is outside of 'Acceptable range'. |
| <u> </u> | Page 7 | Section 5.1.2, Step 1 – Correction tape used to correct error. |
| <u> </u> | Page 8 | Section 5.1.2, Step 8,b – Independent Verifier signed in red ink. |
| <u> </u> | Page 9 | Section 5.1.2, Step 8,e – Vibration reading crossed out with no initials and dating. |
| <u> </u> | Page 9, | Step 10 – Independent Verifier signature missing. |
| <u> </u> | Page 11a | Step 1c – Independent Verifier signature missing. |
| <u> </u> | Page 12 | No name/initials/date for the Lead Performer (MR) in the 'Performed By' block. |

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2(RO)

- COMMENTS:
1. **Candidate must identify at least 8 of the 10 identified discrepancies in order to satisfactorily pass.**
 2. Candidate may reference PAP-1105, Surveillance Test Control, in order to identify the various discrepancies.
 3. Candidate may reference a controlled copy of PAP-1105 in the TEC Reference Library, TEC Simulator, or the Plant Control Room.

START TIME: _____

SAT / UNSAT STOP TIME: _____

TERMINATING CUES: Surveillance SVI-P47-T2001A has been reviewed with at least 8 of 10 known discrepancies identified in accordance with PAP-1105, Surveillance Test Control.

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2(RO)**

VERIFICATION OF COMPLETION

Job Performance Measure No. A.2 (RO)

Examinee's Name: _____

Examiner's Name: _____

Date performed: _____

Results: Circle One SAT UNSAT

Time to complete: _____

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.2(RO)
Attachment #1**

- Initial Conditions:** A Control Room Supervising Operator has just completed the performance of SVI-P47-T2001A, Control Complex Chilled Water A Pump and Valve Operability Test. He has requested a peer check of the completed surveillance by another Supervising Operator before he forwards the surveillance to the Unit Supervisor.
- Initiating Cue:** As a Supervising Operator, perform a peer check of the completed surveillance, including the Data Package Cover Sheet, in accordance with PAP-1105, Surveillance Test Control.

Admin JPM A.2 (RO)

Reference Materials

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2 (SRO)**

Task Standard: A Daily LCO Surveillance Requirement Sheet is correctly initiated for a Tech Spec-related surveillance requirement (SVI-R10-T5227) and a non-Tech Spec-related surveillance requirement (PTI-P72-P0005) in accordance with OAI-1701.

Required Materials: PNPP Form No. 7156, Daily LCO Surveillance Requirements Sheet

General References: OAI-1701, Tracking of LCOs
Revision 1, PIC 8
Technical Specifications

Initial Conditions: The plant is in MODE 1. Division 1 Diesel Generator was declared inoperable at 0500 today for quarterly schedule maintenance. An Active LCO was initiated for the Division 1 Diesel Generator. SVI-R10-T5227, Off-Site Power Availability Verification was initially completed satisfactorily at 0545.

In addition, due to a major modification that is to be started on the Plant Underdrain System (P72) today, the P72 Responsible System Engineer (RSE) has requested that PTI-P72-P0005, Plant Underdrain Groundwater Level Readings, be performed on a 12 hour frequency commencing at 0600 this morning.

Initiating Cue: Initiate a Daily LCO Surveillance Requirement Sheet, using today's date, to commence tracking the completion of SVI-R10-T5227 and PTI-P72-P0005 at their specified performance frequencies in accordance with OAI-1701.

Time Critical Task: YES/NO
☒ X

Validation Time: 12 minutes

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2 (SRO)

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

Step#	
* 1.	Obtain PNPP Form No. 7156, Daily LCO Surveillance Requirements Sheet.
STANDARD:	PNPP Form No. 7156, Daily LCO Surveillance Requirements Sheet is obtained.
COMMENTS:	1. Candidate should identify where he can obtain PNPP Form No. 7156. 2. When candidate identifies the need for PNPP Form No. 7156, hand the candidate a blank form.
SAT / UNSAT	START TIME: _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2 (SRO)**

- * 2. **Initiate tracking of SVI-R10-T5227 (SR 3.8.1.1.) for LCO 3.8.1 at a frequency of 'every 8 hours'.**
- STANDARD: Tracking of SVI-R10-T5227 (SR 3.8.1.1.) for LCO 3.8.1 at a frequency of 'every 8 hours' is correctly annotated on PNPP Form No. 7156.
- COMMENTS: 1. Candidate may reference a controlled copy of OAI-1701 and Technical Specifications in the TEC Reference Library, TEC Simulator, or the Plant Control Room.
2. Candidate references OAI-1701, Section 6.5 and Attachment 2.
3. Candidate may reference LCO 3.8.1, Condition B, Required Action B.1, in order to determine that the specified performance frequency for SR 3.8.1.1 will be 'every 8 hours'.
4. **See attached copy of completed Form PNPP No. 7156 in order to verify the proper tracking of SVI-R10-T5227.**
- Action Statement frequency = 8 hours**
 Previous performance at 0545
 Next performance must be completed by (0545 + 8 hrs)
 = 1345
 Enter 1345 in the REQ. line under the 1300 hour column

SAT / UNSAT

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2 (SRO)

- * 3. **Initiate tracking of PTI-P72-P0005 per RSE request at a frequency of 'every 12 hours'.**
- STANDARD: Tracking of PTI-P72-P0005 at a frequency of 'every 12 hours' is correctly annotated on PNPP Form No. 7156.
- COMMENTS: 1. **See attached copy of completed Form PNPP No. 7156 in order to verify the proper tracking of PTI-P72-P0005.**
- Requested frequency = 12 hours**
Initial performance due at 0600
Subsequent performance will be scheduled at 1800
- Non-Tech Spec required surveillance items are scheduled by marking an X under the hour columns to indicate each hour in which the surveillance must be completed.**
2. PTI-P72-P0005 is not a tech spec-related item.
- SAT / UNSAT STOP TIME:

TERMINATING CUES: A Daily LCO Surveillance Requirement Sheet is correctly initiated for a Tech Spec-related surveillance requirement (SVI-R10-T5227) and a non-Tech Spec-related surveillance requirement (PTI-P72-P0005) in accordance with OAI-1701.

JOB PERFORMANCE MEASURE A.2 (SRO)

DAILY LCO SURVEILLANCE REQUIREMENTS SHEET

PNPP No. 7156 Rev. 1/7/97

OAI-1701

DATE: 01/ XX /2000	SCHEDULED BY Candidate's Name	Sheet No. 1 of 1
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SURVEILLANCE: SVI-R10-T5227	REASON: Division 1 DG inoperable per LCO 3.8.1	FREQ. (HRS) every 8 hours
-----------------------------	--	------------------------------

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ														1345										
TIME																								
INIT																								

SURVEILLANCE: PTI-P72-P0005	REASON: RSE request due to P72 modification	FREQ. (HRS) every 12 hours
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	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ							X												X					
TIME																								
INIT																								

SURVEILLANCE:	REASON:	FREQ. (HRS)
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	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								

REVIEW	REVIEW	REVIEW
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1. INITIAL AND LOG TIME SURVEILLANCE COMPLETED (DATA PACKAGE COVER SHEET SIGNED BY THE U.S. WHEN USED).

COMMENTS: _____

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.2 (SRO)

VERIFICATION OF COMPLETION

Job Performance Measure No. A.2 (SRO)

Examinee's Name: _____

Examiner's Name: _____

Date performed: _____

Results: Circle One SAT UNSAT

Time to complete: _____

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.2 (SRO)
Attachment #1**

Initial Conditions: The plant is in MODE 1. Division 1 Diesel Generator was declared inoperable at 0500 today for quarterly schedule maintenance. An Active LCO was initiated for the Division 1 Diesel Generator. SVI-R10-T5227, Off-Site Power Availability Verification was initially completed satisfactorily at 0545.

In addition, due to a major modification that is to be started on the Plant Underdrain System (P72) today, the P72 Responsible System Engineer (RSE) has requested that PTI-P72-P0005, Plant Underdrain Groundwater Level Readings, be performed on a 12 hour frequency commencing at 0600 this morning.

Initiating Cue: Initiate a Daily LCO Surveillance Requirement Sheet, using today's date, to commence tracking the completion of SVI-R10-T5227 and PTI-P72-P0005 at their specified performance frequencies in accordance with OAI-1701.

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.2 (SRO)
Attachment #1**

DAILY LCO SURVEILLANCE REQUIREMENTS SHEET

PNPP No. 7156 Rev. 1/7/97

OAI-1701

DATE:	SCHEDULED BY	Sheet No.
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SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								

SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								

SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								

REVIEW	REVIEW	REVIEW
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1. INITIAL AND LOG TIME SURVEILLANCE COMPLETED (DATA PACKAGE COVER SHEET SIGNED BY THE U.S. WHEN USED).

COMMENTS: _____

Admin JPM A.2 (SRO)

Reference Materials

The Cleveland Electric Illuminating Company

PERRY OPERATIONS MANUAL

Operations Administrative Instruction

TITLE: TRACKING OF LCOSREVISION: 1EFFECTIVE DATE: 7-14-96PREPARED: G. Chasko11-4-95

/ Date

EFFECTIVE PIC's

PIC No.	Type of Change	Effective Date
1	Intent	3-19-97
2	Non-Intent	3-19-97
3	Non-Intent	8-4-97
4	Non-Intent	12-10-97
5	Non-Intent	3-19-98
6	Non-Intent	3-18-99
7	Non-Intent	10-7-99
8	Non-Intent	6-1-00

6.4 Clearance of Active or Potential LCOs

6.4.1 Active or Potential LCOs should be cleared when conditions are established which comply with the applicable Technical Specification LCO. The following guidance should also be used for LCO clearance:

1. For Work Orders - when the Unit Supervisor signs for acknowledgment of equipment returned to service within the body of a Work Order, when the US signs the ACCEPTED BY UNIT SUPERVISOR line on a completed Work Order, or when the US signs the Work Order LCO Review form per <PAP-0905>.
2. For Surveillance Instructions - as directed by <PAP-1105>, Surveillance Test Controls.
3. For Design Change Packages (DCPs) - when the DCP is closed out by the Operations DCP coordinator. A copy of the Plant Modification Coversheet, signed by the Operations DCP coordinator or designee, should be attached to the ALCO or PLCO Sheet.
4. For Nonconforming Conditions (NCC) identified by Potential Issue Forms - when the Corrective Action to Prevent Recurrence is complete by PNAD verifying the NCC disposition per <PAP-1608>.
5. For Operability Determinations - when the Operability Determination recommendation supports operability without stipulating that compensatory measures are necessary. If compensatory measures were stipulated, when the condition that necessitated the Operability Determination is remediated.

6.4.2 To aid in the clearance of PLCOs, a copy of the PLCO may be included with the work document (WOs, SVIs, etc.) which caused the PLCO to be initiated.

6.4.3 Cleared Active and Potential LCO Tracking Sheets shall be forwarded to the Control Room Assistant (CRA).

6.5 Daily LCO Surveillance Requirements Sheet

6.5.1 The Daily LCO Surveillance Requirements Sheet (PNPP No. 7156, Attachment 5) is used for Active LCOs when Required Actions direct periodic surveillance or other Required Actions. In addition, this sheet is used to track any additional surveillance requirements as determined necessary by the Unit Supervisor.

6.5.2 When an Active LCO requires a Surveillance/Action Item, the Unit Supervisor or designee will initiate a PNPP No. 7156, Attachment 5 (or if already initiated, add an entry) and contact appropriate personnel to support the requirement. The PNPP No. 7156, Attachment 5, is completed in accordance with Instructions for Completing Daily LCO Surveillance Requirements Sheet (Attachment 6).

6.5.3 Scheduling and tracking of Required Action Surveillance/Action Items is based upon an interval calculated from Completion Time to Completion Time. Compliance with the Required Action statement requires that the listed surveillance/action item be completed by the time listed in the Completion Time block. If the Completion Time requires periodic performance on a "once per ..." basis, then Technical Specification SR 3.0.2 permits the 25% frequency extension to be applied to each performance after the initial performance.

NOTE: Required Action SVI's are completed when the US signs the Data Package Cover Sheet.

6.5.4 Compliance with non-Tech Spec or other Operations Section generated surveillance items (i.e., fire protection) requires that the item be completed within the hour marked on the REQUIRED line.

6.5.5 The Supervising Operator should maintain PNPP No. 7156, Attachment 5, for Technical Specification action items. At the discretion of the Unit or Work Control Supervisor it can be maintained by another individual.

6.5.6 Upon completion, PNPP No. 7156, Attachment 5, shall be turned in to the Control Room Assistant for records retention.

6.6 Emergency Core Cooling System (ECCS) Actuation Instrumentation <L02188>

6.6.1 During Nuclear Regulatory Commission (NRC) review of Amendment 69 (the Improved Tech Specs Amendment) a concern was identified regarding the potential for a loss of automatic actuation of ECCS during plant shutdown conditions as a result of a NOTE restricting the applicability to MODES 1, 2, and 3 of selected Required Actions of Tech Spec 3.3.5.1, ECCS Instrumentation.

The NRC concern identified that several channels of ECCS actuation instrumentation are allowed to be inoperable for up to 24 hours in MODES 4 and 5 during which time operations with the potential for draining the reactor vessel could be conducted. (Tech Spec 3.3.5.1 Required Actions allow up to 24 hours to pass before requiring the inoperable channel to be placed in the tripped position.) Multiple inoperable and untripped channels could result in a loss of functional capability to automatically actuate ECCS when required.

6.6.2 To address this NRC concern the following additional actions shall be taken when Tech Spec 3.3.5.1 is entered in MODES 4 and 5 for inoperable ECCS Instrumentation required to be OPERABLE in MODES 4 and 5 as listed on Table 3.3.5.1-1:

1. When a loss of required ECCS automatic initiation capability is determined, declare the associated system inoperable.

DAILY LCO SURVEILLANCE REQUIREMENTS SHEET

PNPP No. 7156 Rev. 1/7/97

OAI-1701

DATE:										SCHEDULED BY										Sheet No.				
SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								
SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
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TIME																								
INIT																								
SURVEILLANCE:										REASON:										FREQ. (HRS)				
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REQ																								
TIME																								
INIT																								
REVIEW										REVIEW										REVIEW				
1. INITIAL AND LOG TIME SURVEILLANCE COMPLETED (DATA PACKAGE COVER SHEET SIGNED BY THE U.S. WHEN USED).																								
COMMENTS: _____																								

INSTRUCTIONS FOR COMPLETING DAILY LCO SURVEILLANCE REQUIREMENTS SHEET

DATA BLOCK

REQUIRED INFORMATION

1. DATE: Enter the date for which the Sheet applies.
2. SCHEDULED BY: The Unit Supervisor or designee should review the previous day's Daily LCO Surveillance Requirements Sheet and initiate a new sheet to continue applicable Surveillance Requirements and sign this block.
3. SURVEILLANCE: Enter the SVI # and/or Action Item that is required to be tracked.
4. REASON Enter the reason for tracking
5. FREQ. (HRS): Enter the time interval required by the Action Statement.
6. REQ:
 - a. Tech Spec required surveillance/action items are scheduled by adding the frequency of the requirement (FREQ) to the previous completion time (TIME) to obtain the next required completion time. Enter the next required completion time under the appropriate hour column.

EXAMPLE:

Action Statement frequency = 8 hrs.
Previous performance was at 0230.
Next performance must be completed by
(0230 + 8 hrs) = 1030. Enter 1030 in the
REQ. line under the 1000 hour column.

- b. Non-Tech Spec required surveillance/action Items are scheduled by marking an X under the hour columns to indicate each hour in which the surveillance/action item must be completed.

EXAMPLE:

Action Statement Frequency = 4 hrs.
Initial performance was at 0115.
Subsequent performances will be scheduled
during the 0500, 0900, 1300, 1700, and
2100 hour time periods.

7. TIME:
 - a. Enter the completion time for the current performance of Tech Spec required surveillance/action items.
 - b. Mark this block N/A for Non-Tech Spec surveillance/action items.

INSTRUCTIONS FOR COMPLETING DAILY LCO SURVEILLANCE REQUIREMENTS SHEET

<u>DATA BLOCK</u>	<u>REQUIRED INFORMATION</u>
8. INIT:	The performer records his initials after completion of the Surveillance (i.e., after the US signs the Data Package Coversheet if one was used) or after completion of the Action Item.
9. REVIEW:	Unit Supervisor, or designee, reviews and sign the Daily LCO Surveillance Requirements Sheet once per shift.
10. COMMENTS:	Entries as needed for frequency, surveillance problem, personnel contacted, chemistry sample results, etc., to aid LCO Tracking.
11.	When the surveillance requirement is no longer required, the Unit Supervisor or designee shall indicate this fact and shall write the time of cancellation and his initials in the "Surveillance" block.

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.3

Facility: PERRY Task No: 298-502-01-01

Task Title: Obtain a Bicron Tech 50 Radiation Survey Instrument For Use in the RRA JPM No: A.3

K/A Reference: GEN 2.3.1 (2.6 / 3.0)

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance _____ Actual Performance X

Classroom _____ Simulator _____ Plant X

READ TO THE EXAMINEE

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.3**

Task Standard: Bicron Tech 50 radiation survey instrument is verified ready for use prior to entering the RRA in accordance with the expectations contained in the Radiological Controls Training Handout.

Required Materials: Bicron Tech 50 (or similar) radiation survey instrument obtained from Radiation Protection Section personnel at the RRA control point Control Complex 620').

General References: Radiological Controls Training Handout.

***** CAUTION *****

Examiner may need to confer with the on-shift HP Technician to let the person know that an exam is in progress and he should not prompt the candidate about the checks to be performed for the Bicron Tech 50.

Initial Conditions: The plant is in an emergency condition due to a Loss-of-Coolant Accident (LOCA) with major fuel damage. You have been assigned as an Operations member to the Operations Support Center (OSC).

Initiating Cue: Obtain a Bicron Tech 50 radiation survey instrument from the Control Complex 620' RRA Control Point.

Time Critical Task: YES/NO
☐ X

Validation Time: 10 minutes

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.3**

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

Step#

 * 1. **Obtain a Bicorn Tech 50.**

STANDARD: Obtains a Bicorn Tech 50 at the Control Complex 620' RRA Control Point.

COMMENTS: 1. Candidate may have to inquire from the Control Complex 620' RRA Control Point where the Bicorn Tech 50 radiation survey instruments are normally stored.

SAT / UNSAT START TIME:

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.3

- _____ * 2. **Check the Bicron Tech 50 for general condition, battery/voltage checks, and current calibration/response check stickers.**

- STANDARD:
- a. Physically inspect the Bicron Tech 50 for any damage.
 - b. Perform a battery check and confirm that the meter indication deflection is within the 'BAT ok' area on the meter face.
 - c. Perform a high voltage check and confirm that the meter indication deflection is within the 'HV ok' area on the meter face.
 - d. Verify the date on the 'Calibration' sticker has not been exceeded.
 - e. Verify the date on the 'Response Check' sticker has not been exceeded.

- COMMENTS:
- 1. **Candidate can perform the checks in any order.**
 - 2. Candidate may, but is not required to, check either the mechanical zero or the electronic zero as being correct although this would be a good operator practice.

SAT / UNSAT STOP TIME: _____

TERMINATING CUES: Bicron Tech 50 radiation survey instrument is verified ready for use prior to entering the RRA.

VERIFICATION OF COMPLETION

Examiner's signature and date: _____ / _____

PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.3
Attachment #1

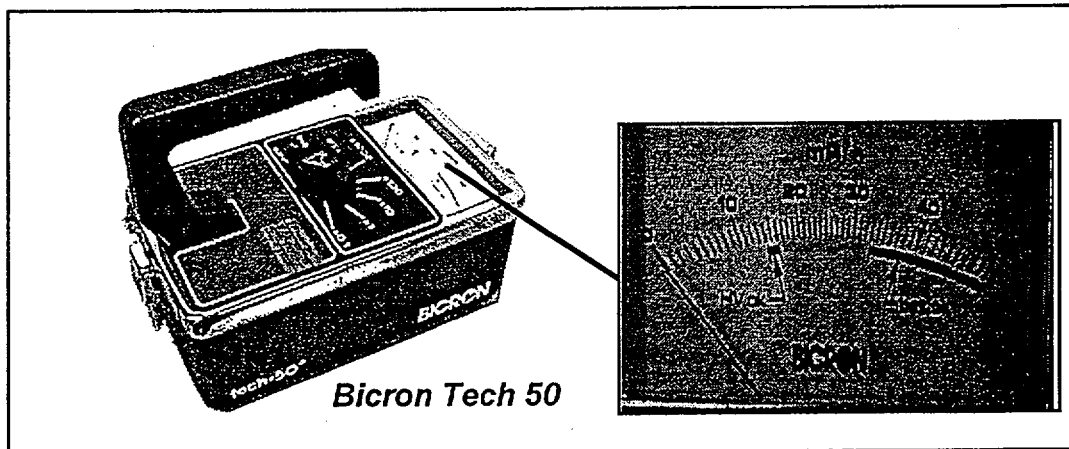
Initial Conditions: The plant is in an emergency condition due to a Loss-of-Coolant Accident (LOCA) with major fuel damage. You have been assigned as an Operations member to the Operations Support Center (OSC).

Initiating Cue: Obtain a Bicron Tech 50 radiation survey instrument from the Control Complex 620' RRA Control Point.

Admin JPM A.3

Reference Materials

- ☐ Any radiation worker at Perry could be issued a **Bicron Tech-50** dose rate meter to verify gamma dose rates in their work area are as expected and briefed.
- ☐ If you are issued a Tech-50, check the meter for general condition, battery/high voltage checks, current calibration/response check stickers. Prior to entering the work area turn the selector switch to a scale that will show significant deflection or movement at the expected dose rate (x10 and x100 scales would be used most often).



Level 1 - Locked High Radiation Area (L1-LHRA)

- ☐ This is an area where general area dose rates are greater than or equal to 1,000 mrem/hr. The access is locked due to the high dose rate.
- ☐ Typical entry requirements include an RWP, dose rate meter, alarming dosimeter, or HP coverage.
- ☐ Activated flashing blue lights and/or LHRA postings are used to denote LHRAs. Flashing blue lights are used where it is not feasible to use a locked gate and must be treated the same as a locked barricade.
- ☐ Keys for LHRAs are controlled by HP; they must be returned to the HP control point when they are not being used.
- ☐ Do NOT tape over door or gate latches.
- ☐ DO keep doors and gates shut, latched and locked.

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)**

Facility: PERRY

Generic Category Emergency Procedures/Plan

K/A Reference: GEN Importance: RO 3.3 SRO 3.1
2.4.39

Topic: Knowledge of the RO's Responsibilities in E-Plan
Implementation

K/A Reference: GEN Importance: RO 2.6 SRO 4.0
2.4.29

Topic: Knowledge of the Emergency Plan

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Area of testing:

Classroom X Simulator X Plant X

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)**

Question Documentation:

Question: See Attachment #1

Response: See Attachment #1

Results: Circle One SAT UNSAT

Question: See Attachment #2

Response: See Attachment #2

Results: Circle One SAT UNSAT

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #1**

QUESTION NO: 01

A SITE AREA EMERGENCY has been declared. All emergency facilities have been declared operational. The Unit Supervisor has directed a Supervising Operator to perform PEI-SPI 4.2, RHR Loop B Flood Alternate Injection. Step 2.5 requires that valve E12-F099B, RHR B FPCC Supplement Cooling Discharge Valve, be verified closed.

What is the correct protocol to be followed for the Control Room to direct a Non-Licensed Operator to verify this valve closed?

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #1**

ANSWER NO: 01

Contact the Operations Foreman in the Operations Support Center (OSC) who will dispatch a Non-Licensed Operator to verify the valve is closed.

SAT UNSAT

ANSWER TIME:

REFERENCES:

EPI-A7, Operations Support Center Activation Revision 9, PIC 2

Lesson Plan EPL-0804-008-01 Objective C

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #2**

QUESTION NO: 02

Identify the Off-site Agencies, including their respective time frames for initial notification, which are required to be notified in the event of a declared Emergency.

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #2**

ANSWER NO: 02

Fifteen (15) minutes is the requirement for performing an initial notification to the State of Ohio and local counties (Ashtabula, Geauga, and Lake).

The NRC shall be notified immediately upon completion of notifications to the State and local counties, but within 1 hour of event declaration.

SAT UNSAT

ANSWER TIME:

REFERENCES:

EPI-B1, Emergency Notification System Revision 10, PIC 2

Lesson Plan EPL-0804-008-01 Objective F

Lesson Plan EPL-0823-004-01 Objective G

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #3**

QUESTION NO: 01

A SITE AREA EMERGENCY has been declared. All emergency facilities have been declared operational. The Unit Supervisor has directed a Supervising Operator to perform PEI-SPI 4.2, RHR Loop B Flood Alternate Injection. Step 2.5 requires that valve E12-F099B, RHR B FPCC Supplement Cooling Discharge Valve, be verified closed.

What is the correct protocol to be followed for the Control Room to direct a Non-Licensed Operator to verify this valve closed?

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC QUESTIONS A.4 (RO)
ATTACHMENT #3**

QUESTION NO: 02

Identify the Off-site Agencies, including their respective time frames for initial notification, which are required to be notified in the event of a declared Emergency.

Admin Questions A.4 (RO)

Reference Materials

Emergency Plan Implementing Instruction

PREPARED: Joseph D. Anderson 8-29-96
/ Date

[illegible]

3.4 Priority 2 - Urgent

System or equipment failure has occurred which impacts safe shutdown equipment such that plant shutdown may be necessary, or during outages, reduces the capability to provide for decay heat removal. Priority 2 may also be assigned to deficiencies which cause or may cause reduced generating capacity and/or personnel safety hazards. Resources necessary to support eliminating the deficiency and/or hazard should be applied immediately and continuously until completed.

3.5 Priority 3 - Routine (E-Plan)

Work or assessment activities which are not categorized under "Emergency" or "Urgent" priorities, and whose delay will not impact the restoration of systems or components required to address Emergency Response Organization (ERO) task priorities.

4.0 RESPONSIBILITIES

4.1 Shift Supervisor

1. Coordinate the initial activation of the OSC and direction of emergency teams and support personnel from the OSC prior to the Technical Support Center (TSC) being declared operational.
2. Direct the activation of the OSC in an alternate location based on plant conditions.
3. Activate and dispatch the Fire Brigade and First Aid Teams (FAT).
4. Direct the activities of the Perry Plant Operators (PPOs) and Perry Plant Attendants (PPAs) in coordination with the TSC and OSC Coordinator.

4.2 OSC Coordinator

1. Coordinate the activities of emergency teams and support personnel dispatched from the OSC at the direction of the TSC, or Control Room Shift Supervisor prior to the TSC being operational.
2. Support PPO/PPA in-plant activities as requested by the Operations Foreman.
3. Maintain accountability of OSC personnel.
4. Direct the relief of OSC staff and emergency team members, as required.
5. Ensure dosimetry is issued to all OSC staff and Control Room personnel upon declaration of a Site Area Emergency or initiation of personnel accountability.

4.3 TSC Maintenance Coordinator

1. Direct the operation of the OSC and in support of TSC in-plant priorities and the required restoration of plant systems and components.
2. Direct all requests for emergency teams and support personnel to the OSC Coordinator.
3. Continuously apprise the OSC Coordinator of current plant status and transient conditions, and established OSC priorities.
4. Provide the OSC with plant technical, operations, and maintenance information as necessary.
5. Periodically apprise the Operations Manager on current OSC and emergency team operations.

4.4 Operations Foreman

1. Supervise shift PPO/PPA activities at the direction of the Shift or Unit Supervisors, and in coordination with the OSC Coordinator.

4.5 Director, Perry Nuclear Maintenance Department (PNMD)

1. Maintain an updated callout listing in the OSC of PMS personnel to facilitate the prompt augmentation of OSC staff.

4.6 Manager, Radiation Protection Section (RPS)

1. Maintain an updated callout listing of RPS personnel to facilitate the prompt augmentation of OSC staff.

5.0 ACTIONS

5.1 Shift Supervisor

5.1.1 Activation

1. Determine if conditions threaten or render the 599' elevation of the Control Complex unavailable.
 - a. If the 599' CCB is considered available to support OSC operations, announce the activation of the OSC and conduct ERO notifications in accordance with <EPI-A2 thru A5>.
 - b. If the 599' CCB is NOT available/habitable, announce the relocation of the OSC to the Unit 2 Control Room.

2. Prior to the arrival of the designated OSC Coordinator, appoint an interim OSC Coordinator from Support Supervisors reporting to the OSC to expedite facility activation.
3. Apprise the OSC Coordinator of plant conditions and emergency actions underway or required.
4. Once the OSC is declared operational, direct the on-shift PPOs/PPAs and the Operations Foreman to relocate to the OSC.

5.1.2 Operation

1. Coordinate the dispatching of OSC emergency teams and personnel through the OSC Coordinator prior to the TSC being declared operational.
 - a. Assign the appropriate briefing requirements, based on work priorities listed below, to each team being dispatched from the OSC based on the following criteria:

PRIORITY 1 (EMERGENCY) ENTRY: Minimum briefing. Paperwork to be completed upon team's return to OSC, but use statusboards to track team members and team progress. Assign necessary health physics coverage to support team activities.

PRIORITY 2 (URGENT) ENTRY: Team to be briefed and dispatched ahead of routine entry work. Parts II and III (if applicable) of briefing sheet must be completed prior to dispatching team.

PRIORITY 3 (ROUTINE) ENTRY: Full briefing of team and completion of briefing sheet. Entry should be delayed for higher priority entries.
2. Turnover control of OSC activities, with the exception of responsibility for PPOs/PPAs, to the TSC Maintenance Coordinator when TSC is declared operational.
3. Direct requests for OSC support, except for the direction of PPOs/PPAs, through the TSC Operations Advisor.
4. Direct requests for on-shift PPO/PPA support through the Operations Foreman located in the OSC on extension 7240, assigning the appropriate briefing requirements for each team/task.
 - a. Immediately advise the TSC Operations Advisor on any actual or perceived delays in the dispatching of PPOs/PPAs in support of TSC in-plant priorities and/or the required restoration/operation of plant systems and components.

4. Ensure that teams returning to the OSC are adequately debriefed and that actions taken, observations made, radiological surveys performed, etc., are documented on the back of OSC Team Briefing/Debriefing Sheet and OSC Team Troubleshooting/Activity Log.
5. Upon declaration of a Site Area Emergency or initiation of personnel accountability, perform the following:
 - a. Direct OSC personnel, who have not yet done so during OSC activation, to log-in for accountability purposes using the designated TSC Hallway card reader.
 - b. Assist the OSC Coordinator in completing the Personnel Accountability Checklist (PNPP No. 7957) if the TSC "accountability" card reader is inoperable.
 - c. Assist the OSC Health Physics Supervisor in issuing a TLD and/or DRD to all OSC staff and Control Room members currently without dosimetry per <HPI-B0003>.

5.4 Operations Foreman

5.4.1 Activation

1. Relocate the on-shift PPOs/PPAs to the OSC (599'CCB), when directed by the Shift Supervisor, and identify yourself to the OSC Coordinator.

NOTE: The Control Room will retain control of the on-shift PPOs/PPAs at all times with the Operations Foreman acting as an interface with the OSC Coordinator.
2. Direct PPOs/PPAs to utilize the "accountability" card reader located in the TSC Hallway.
3. Notify the Shift or Unit Supervisor when the move to the OSC is complete.

5.4.2 Operation

1. When directed by the Control Room to dispatch a PPO/PPA(s), perform the following:
 - a. Notify the OSC Coordinator of the names of the PPOs/PPAs, where they are being dispatched, task priority and briefing requirements assigned by the Control Room, and OSC support needed.
 - b. Ensure that (1) an OSC Team Briefing/Debriefing Sheet is completed, based on the assigned priority; and (2) that a team number for tracking and accountability purposes is obtained from the OSC Coordinator.

- 1) PRIORITY 1 (EMERGENCY) ENTRY: Minimum briefing. Paperwork to be completed upon team's return to OSC, but use statusboards to track team members and team progress. Assign necessary health physics coverage to support team activities.
- 2) PRIORITY 2 (URGENT) ENTRY: Team to be briefed and dispatched ahead of routine entry work. Parts II and III (if applicable) of briefing sheet must be completed prior to dispatching team.
- 3) PRIORITY 3 (ROUTINE) ENTRY: Full briefing of team and completion of briefing sheet. Entry should be delayed for higher priority entries.

c. Ensure that PPOs/PPAs being dispatched are briefed on Health Physics (HP) concerns and HP coverage provided if deemed necessary; if not required, check NOT REQUIRED block on PART III of briefing sheet.

- 1) Immediately advise the Control Room and TSC Operations Advisor of any actual or perceived delays in the dispatching of PPO's/PPAs from the OSC in support of TSC in-plant priorities and/or required restoration/operation of plant systems and components.

NOTE: PPOs/PPAs may be dispatched at the Control Room's direction without OSC Coordinator concurrence. However, this should be used as a last resort, since the safety of the PPO/PPA being dispatched may be jeopardized.

2. Immediately inform the OSC Coordinator of changes in team status and ensure the OSC Team Status Board is updated.
3. Designate a PPO/PPA in support of OSC repair activities at the request of the OSC Coordinator.
4. Ensure that PPOs/PPAs returning to the OSC are adequately debriefed and that actions taken, observations made, etc. are documented on the back of the OSC Team Briefing/Debriefing Sheet.
 - a. Verify that an OSC Team Troubleshooting/Activity Log is completed (if required).
 - b. Update the OSC Team Statusboard indicating the team's return.
 - c. Notify the Control Room and OSC Coordinator of the team's return and restoration/status of systems and components.

5. Appoint a PPO to serve as the interim Operations Foreman if you must leave the OSC (e.g., Fire Brigade Leader).
6. Upon declaration of a Site Area Emergency or initiation of personnel accountability, ensure all on-shift PPOs/PPAs and yourself are accounted for through the OSC or, if the OSC is not yet operational, through the Control Room.

5.5 OSC Staff Personnel

5.5.1 Activation

1. Respond to the 599'CCB or designated alternate location, when the Plant PA announcement is made to activate the OSC, and utilize the "accountability" card reader in the TSC Hallway.

The Shift Supervisor will use his judgment based on plant conditions in designating the Unit 2 Control Room as an alternate OSC.

- a. If located outside the Protected Area when an OSC activation occurs simultaneously with personnel accountability, report immediately to the TEC Auditorium and await instructions.
2. Relocate to the OSC staff assembly areas identified by the OSC Coordinator when directed.

5.5.2 Operation

1. Do not leave the OSC or its designated assembly areas unless directed to report to the OSC or released by the OSC Coordinator.
2. Ensure that you are adequately briefed and equipped based on the priority assigned to the OSC team prior to leaving the OSC.
3. Keep the OSC apprised of the status of assigned work when in the field and ensure the OSC is notified of any additional support needed.
 - a. Document restoration, repair, and assessment efforts on an OSC Team Troubleshooting Log (if directed).

NOTE: A TSC engineer may be assigned when needed to assist team personnel in troubleshooting and repair activities. In these situations, the designated OSC Responsible Supervisor, and not the TSC engineer, will retain control of team and must be apprised of team status, delays encountered, etc.

[illegible]

- a. When termination criteria for Unusual Event are met at time of classification per <EPI-A1>, use Blocks 4.a and 4.b on the Initial Notification form to simultaneously classify and terminate event.
 - b. Use Block 4.c on the Initial Notification form for documenting the classification of a "transitory event" per <EPI-A1>.
 - c. If the emergency classification has changed more than once since the last notification, use an Initial Notification form to update off-site agencies of the current emergency classification and provide a discussion for any previously unreported classification. Document additional discussions in the Shift Log or Facility Log.
2. Within approximately 10 minutes of the classification, reclassification, decision to issue an offsite PAR, or termination, review the completed form ensuring that all item blocks on the Initial Notification form are completed, then sign as approved and forward to the CR Communicators, TSC Administrative Assistant, or EOF Manager.

Fifteen (15) minutes is the requirement for performing an initial notification to the State of Ohio and local counties; however, at least 5 minutes must be allotted for communicator(s) to contact offsite agencies. <P00001>

The NRC shall be notified immediately upon completion of notifications to the State and local counties, but within 1 hour of event declaration. <P00062>

- 5.1.3 Ensure that an individual knowledgeable in system operations, when available, is assigned to the NRC Emergency Notification System (ENS) Circuit in the TSC or Control Room.

Attachment 3 outlines a list of sample questions that may be asked by the NRC during an emergency.

- 5.1.4 Respond to Federal, State and local county inquiries in a timely manner, but do not allow this to interfere with your responsibilities to oversee plant operations or direct required E-Plan actions. <P00102>
- 5.1.5 Perform the following to ensure a follow-up notification is provided to the State of Ohio, local counties, and the NRC within 1 hour of event classification or issuance of an offsite PAR:
 1. Draft, or direct assigned/available staff to draft a follow-up message using the Follow-Up Notification form (PNPP No. 7795, Attachment 4).

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.4 (SRO)**

Facility: PERRY Task No: 344-503-05-02
344-532-0502

Task Title: EAL Classification: Security Threat JPM No: A.4(SRO)

K/A Reference: GEN 2.4.41(4.1) _____
GEN 2.4.38(4.0) _____

Examinee: _____ Examiner: _____

Facility Evaluator: _____ Date: _____

Method of testing:

Simulated Performance	<u>X</u>	Actual Performance	_____
Classroom	<u>X</u>	Simulator	<u>X</u>
		Plant	<u>X</u>

READ TO THE EXAMINEE

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

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.4 (SRO)**

Task Standard: Within 15 minutes, event is correctly classified as an ALERT (EAL NA1-Security event in the plant Protected Area) in accordance with EPI-A1, Emergency Action Levels. Within the next 15 minutes, PNPP Form No. 7794, Initial Notification, is correctly prepared in accordance with EPI-B1, Emergency Notification System.

Required Materials: Form PNPP No. 7794, Initial Notification

General References: EPI-A1, Emergency Action Levels
Revision 6, PIC 4
EPI-B1, Emergency Notification System
Revision 10, PIC 2
PSI-0019, EAL Entry Criteria and Bases
Revision 0, PIC 4

Initial Conditions: Terrorists have stormed the plant. Plant Security personnel have cornered the terrorists on the third floor of the Service Building. The Central Alarm Station (CAS) has deactivated the Control Complex 654' Doors to prevent access to the Main Control Room. Plant Security is being augmented with the local Sheriff's Department. The Control Room personnel have barricaded the doors to the Main Control Room. ONI-P56, Security Intrusion, is being implemented.

Initiating Cue: As the Shift Supervisor, classify the event in accordance with EPI-A1, Emergency Action Levels, and complete the PNPP Form No. 7794, Initial Notification, in accordance with EPI-B1, Emergency Notification System.

Time Critical Task: YES/NO

☒ X

***15 minutes to classify the event plus 15 minutes to complete the Initial Notification Form from classification = 30 minutes to complete the task.**

Validation Time: 15 minutes

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.4 (SRO)

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLD** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the Comments section of this JPM.

Step#

 * 1. **Consults EPI-A1 in order to classify the event.**

STANDARD: Classifies the event as an ALERT within 15 minutes.

EAL Category NA1 – Security event in the plant Protected Area.

COMMENTS: **1. This step is time critical and must be completed within 15 minutes.**

2. Candidate may reference a controlled copy of EPI-A1 in the TEC Reference Library, TEC Simulator, or the Plant Control Room.

3. **Event classification is expected to be completed within 15 minutes per EPI-A1 such that initial notifications can be completed within the next 15 minutes.**

4. This is not a Site Area Emergency because there has been no entry into a plant vital area (i.e., an area controlled by a card reader like the Control Room).

5. **Candidate does not need to know if a Security Alert or Security Emergency has been declared in order to classify this event. If candidate asks, then inform him that Security has not declared either Security event at this time.**

SAT / UNSAT START TIME: _____

PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.4 (SRO)

- * 2. **Obtains Form PNPP No. 7794, Initial Notification, and consults EPI-B1 in order to fill out form.**
- STANDARD: Form PNPP No. 7794, Initial Notification, properly filled out within 15 minutes of classifying the event.
- COMMENTS: 1. **This step is time critical and must be completed within 15 minutes from the completion of Step 1.**
2. **See attached copy of completed Form PNPP No. 7794 in order to verify the proper completion of the Initial Notification form.**
- Blocks 1-8 must be properly completed by the candidate.**
3. Candidate may reference a controlled copy of EPI-B1 in the TEC Reference Library, TEC Simulator, or the Plant Control Room.
4. **Candidate should identify where he can obtain PNPP Form No. 7794.**
5. **When candidate identifies the need for PNPP Form No. 7794, hand the candidate a blank form.**
6. **Candidate is not required to complete any other E-Plan forms such as PNPP Form No. 9100, Pager Messages.**
7. Examiner will role-play as the Control Room Communicator by accepting the completed PNPP Form No. 7794 when the candidate is ready for the Control Room Communicator to make the initial notifications to the counties, state, and NRC.

SAT / UNSAT STOP TIME: _____

TERMINATING CUES: **Event is correctly classified as an ALERT (Security event in the plant Protected Area) and PNPP Form No. 7794, Initial Notification, is correctly prepared.**

JOB PERFORMANCE MEASURE A.4 (SRO)

INITIAL NOTIFICATION

PNPP No. 7794 Rev. 7/23/98

EPI-B1

COMMUNICATOR INSTRUCTIONS:

- A. Ensure Items 1-8 are completed, and Emergency Coordinator has approved release of information.
- B. Pickup the "5-Way" Ringdown. As parties answer, perform a roll call to verify that the State and county agencies listed below are on-line; record time contacted below. If party does NOT answer, initiate a separate call per EPI-B1.

TIME CONTACTED		5-WAY USED?		TIME CONTACTED		5-WAY USED?	
		YES	NO			YES	NO
ASHTABULA COUNTY	_____	<input type="checkbox"/>	<input type="checkbox"/>	LAKE COUNTY	_____	<input type="checkbox"/>	<input type="checkbox"/>
GEAUGA COUNTY	_____	<input type="checkbox"/>	<input type="checkbox"/>	STATE OF OHIO	_____	<input type="checkbox"/>	<input type="checkbox"/>

- Once State and county agencies have been contacted, initiate call on NRC ENS Circuit. TIME CONTACTED: _____
- C. Transmit data below. When completed, record the name of contact on back of form; request a call back if the 5-Way or ENS was NOT used.
- D. Communicator(s) Name: (1) _____ (2) _____
- E. [TSC & EOF ONLY] Forward a copy of completed form to the Information Liaison and Regulatory Affairs Coordinator.

Please obtain an Initial Notification form to copy this transmission. Communications on the "5-Way" and ENS Circuits are being recorded. (Pause 5-10 seconds to allow agencies to obtain form before continuing.)

1. This is the Perry Nuclear Power Plant:

- ☒ Control Room ☐ Technical Support Center (TSC) ☐ Emergency Operations Facility (EOF) ☐ Backup EOF

(State your NAME and ERO POSITION TITLE.)

2. This is a(n): ☐ Actual Emergency ☒ Drill

3. Date: 01/XX/2000 Time: XX:XX hours ***This is the actual time***

4. ☒ a. A(n) ☐ UNUSUAL EVENT ☒ ALERT ☐ SITE AREA EMERGENCY ☐ GENERAL EMERGENCY has been declared at XX:XX hours on Date 01/XX/2000 based on EAL(s): NA1 - Security event in the plant Protected Area.

(Use both blocks a & b when simultaneously classifying and terminating from an Unusual Event or Alert.)

☐ b. The emergency situation has been terminated at _____ hours on ____/____/____.
(Time) (Date)

(Use block c when classifying after a transitory event.)

☐ c. A transitory event has occurred which would have required the declaration of a(n):

☐ ALERT ☐ SITE AREA EMERGENCY ☐ GENERAL EMERGENCY

but was mitigated prior to classification. Current event status is at a(n):

☐ UNUSUAL EVENT ☐ ALERT ☐ SITE AREA EMERGENCY
declared at _____ hours on ____/____/____ based on EAL(s): _____
(Time) (Date)

(Use block d when revising a protective action recommendation.)

☐ d. General Emergency protective actions are being changed.

5. Brief non-technical description of event: Terrorists have entered the plant Protected Area and are attempting to gain entry to the Main Control Room.

6. ☒ a. NO unplanned radioactive release has occurred.
- ☐ b. An unplanned radioactive release is in progress.

7. Utility recommended protective actions:

- ☒ a. None.
- ☐ b. Evacuation of people in Subareas: 1 2 3 4 5 6 7 Lake (circle)
- ☐ c. Sheltering of people in Subareas: 1 2 3 4 5 6 7 Lake (circle)

8. I repeat, this a(n): ☐ Actual Emergency ☒ Drill

This time must be 15 minutes from the classification time listed in Step 4 above.

Notification is due at: XX:XX hours at 01/XX/2000;
(Time) (Date)

EMERGENCY COORDINATOR APPROVAL (signature)

JOB PERFORMANCE MEASURE A.4 (SRO)

INITIAL NOTIFICATION

PNPP No. 7794 Rev. 7/23/98

EPI-B1

COMMENTS:

COMMON OFFSITE ACRONYMS:

SD Sheriff's Department
HP Highway Patrol
OSHP Ohio State Highway Patrol
EOC Emergency Operations Center
EMA Emergency Management Agency
OEMA Ohio Emergency Management Agency

COMMUNICATOR USE ONLY:

If the "5-Way" Ringdown or ENS Circuit was **NOT** used; a verification call back is required.

	PERSON CONTACTED	JOB TITLE	TIME OF CALL BACK (if applicable)
Ashtabula County			<input type="checkbox"/> NA;
Geauga County			<input type="checkbox"/> NA;
Lake County			<input type="checkbox"/> NA;
State of Ohio			<input type="checkbox"/> NA;
Nuclear Regulatory Commission			<input type="checkbox"/> NA;

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
ADMINISTRATIVE TOPIC
JOB PERFORMANCE MEASURE A.4 (SRO)**

VERIFICATION OF COMPLETION

Job Performance Measure No. A.4 (SRO)

Examinee's Name: _____

Examiner's Name: _____

Date performed: _____

Results: Circle One SAT UNSAT

Time to complete: _____

Examiner's signature and date: _____ / _____

**PERRY NRC INITIAL LICENSE 2000-01 EXAM
JOB PERFORMANCE MEASURE A.4 (SRO)
Attachment #1**

Initial Conditions: Terrorists have stormed the plant. Plant Security personnel have cornered the terrorists on the third floor of the Service Building. The Central Alarm Station (CAS) has deactivated the Control Complex 654' Doors to prevent access to the Main Control Room. Plant Security is being augmented with the local Sheriff's Department. The Control Room personnel have barricaded the doors to the Main Control Room. ONI-P56, Security Intrusion, is being implemented.

Initiating Cue: As the Shift Supervisor, classify the event in accordance with EPI-A1, Emergency Action Levels, and complete the PNPP Form No. 7794, Initial Notification, in accordance with EPI-B1, Emergency Notification System.

INITIAL NOTIFICATION

EPI-B1

Notification is due at: _____ hours at _____/_____/_____; _____
(Time) (Date) **EMERGENCY COORDINATOR APPROVAL (signature)**

INITIAL NOTIFICATION

PNPP No. 7794 Rev. 7/23/98

EPI-B1

COMMENTS:

COMMON OFFSITE ACRONYMS:

SD Sheriff's Department
HP Highway Patrol
OSHP Ohio State Highway Patrol
EOC Emergency Operations Center
EMA Emergency Management Agency
OEMA Ohio Emergency Management Agency

COMMUNICATOR USE ONLY:

If the "5-Way" Ringdown or ENS Circuit was **NOT** used; a verification call back is required.

	PERSON CONTACTED	JOB TITLE	TIME OF CALL BACK (if applicable)
Ashtabula County			<input type="checkbox"/> NA;
Geauga County			<input type="checkbox"/> NA;
Lake County			<input type="checkbox"/> NA;
State of Ohio			<input type="checkbox"/> NA;
Nuclear Regulatory Commission			<input type="checkbox"/> NA;

Admin JPM A.4 (SRO)

Reference Materials

INITIATING CONDITION INDEX

PNPP No. 8852A Rev. 9/26/97

PSI-0019

EVENT CATEGORY	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
H: INCREASED RADIATION RELEASE TO THE ENVIRONMENT	Any unplanned release of gaseous radioactivity to the environment that exceeds two times the ODCM Control limit for 60 minutes or greater. Page 77 - HU1	Any unplanned release of gaseous radioactivity to the environment that exceeds 200 times the ODCM Control limit for 15 minutes or greater. Page 82 - HA1	Site Boundary dose resulting from an actual or imminent release of gaseous radioactivity that exceeds 100 mRem TEDE dose OR 500 mRem CDE Child Thyroid dose for the actual OR projected duration of the release. Page 87 - HS1	Site Boundary dose resulting from an actual or imminent release of gaseous radioactivity that exceeds 1000 mRem TEDE OR 5000 mRem CDE Child Thyroid dose for the actual or projected duration of the release. Page 89 - HG1
	Any unplanned release of liquid radioactivity to the environment that exceeds two times the ODCM Control limit for 60 minutes or greater. Page 79 - HU2	Any unplanned release of liquid radioactivity to the environment that exceeds 200 times the ODCM Control limit for 15 minutes or greater. Page 84 - HA2		
I: CONTROL ROOM EVACUATION	NOT APPLICABLE	Control Room Evacuation has been initiated. Page 91 - IA1	Control Room evacuation has been initiated, AND plant control CANNOT be established within 15 minutes. Page 92 - IS1	NOT APPLICABLE
J: LOSS OF ANNUNCIATORS OR INDICATIONS	Loss of most annunciators or indication in the Control Room for greater than 15 minutes. Page 94 - JU1	Loss of most annunciators or indication in the Control Room with <u>either</u> : (1) a significant transient in progress; OR (2) compensatory indications are <u>NOT</u> available. Page 97 - JA1	Inability to monitor a significant transient in progress. Page 100 - JS1	NOT APPLICABLE
K: LOSS OF COMMUNICATIONS	Loss of onsite OR in-plant communications capabilities. Page 103 - KU1	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
	Significant degradation of offsite communications capabilities. Page 105 - KU2			
L: NATURAL OR DESTRUCTIVE PHENOMENA	Natural OR destructive phenomena affecting the Protected Area boundary. Page 107 - LU1	Natural OR destructive phenomena affecting Safe Shutdown Buildings. Page 110 - LA1	NOT APPLICABLE	NOT APPLICABLE
M: RELEASE OF TOXIC OR FLAMMABLE GAS	Release of toxic OR flammable gases affecting the Protected Area boundary deemed detrimental to the safe operation of the plant. Page 114 - MU1	Release of toxic OR flammable gases within a Safe Shutdown Building which jeopardizes operation of systems required to maintain safe operations OR to establish or maintain COLD SHUTDOWN. Page 116 - MA1	NOT APPLICABLE	NOT APPLICABLE
N: SECURITY EVENTS	Confirmed security event which indicates a potential degradation in the level of safety of the plant. Page 118 - NU1	Security event in the plant Protected Area. Page 120 - NA1	Security event in a plant Vital Area. Page 121 - NS1	Security event resulting in loss of ability to reach and maintain COLD SHUTDOWN. Page 123 - NG1
O: EMERGENCY COORDINATOR'S JUDGEMENT	Other conditions existing, which in the judgement of the Emergency Coordinator, warrant declaration of an Unusual Event. Page 125 - OU1	Other conditions existing, which in the judgement of the Emergency Coordinator, warrant declaration of an Alert. Page 127 - OA1	Other conditions existing, which in the judgement of the Emergency Coordinator, warrant declaration of a Site Area Emergency. Page 129 - OS1	Other conditions existing, which in the judgement of the Emergency Coordinator, warrant declaration of a General Emergency. Page 131 - OG1

EAL ENTRY CRITERIA AND BASES6.14 Category N: Security Events

6.14.1 INITIATING CONDITION NUI

Initiating Conditions							Entry Criteria							
<div>NU1</div> <div>Confirmed security event which indicates to potential degradation in the level of safety of the plant.</div> <div>Applicable Modes:</div> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>D</td></tr></table>							1	2	3	4	5	D	Bomb device discovered within Protected Area.	Any security event resulting in the declaration of a SECURITY ALERT in accordance with the <PNPP Physical Security Plan>.
							1	2	3	4	5	D		

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EAL ENTRY CRITERIA AND BASES

6.14.1 NU1 (Cont.)

DISCUSSION

Events which are believed by the Emergency Coordinator to indicate a potential degradation of the level of safety of the plant should be declared an Unusual Event. Per the PNPP Physical Security Plan, security events are categorized per the respective Security Contingency Instruction (SCI) based on the perceived threat potential. A SECURITY ALERT is defined as a "serious security-related situation that poses a threat or danger to the facility which indicates the need for increased alertness of the PNPP Security force or Operations personnel." A serious threat is defined as "a threat judged to have a low probability of being executed, but of sufficient plausibility to justify taking precautionary measures. Any security event considered as a serious threat is categorized as a SECURITY ALERT per the SCIs. Therefore, these items are NOT specifically reiterated here.

An increase in the security posture to a SECURITY EMERGENCY based on the assessment of a very serious threat will escalate this event to Alert per NA1. Security events which do NOT represent at least a potential degradation in the level of safety of the plant are reported under <10CFR73.71> or in some cases <10CFR50.72>.

No specific correlation was intended between the terms SECURITY ALERT and SECURITY EMERGENCY and the emergency classes specified in 10CFR50 Appendix E (IV.C).

An explosive device discovered in a plant Vital Area is classified under NS1 as a Site Area Emergency.

(Reference: <NUMARC/NESP-007> (Rev. 2), Unusual Event HU4)

EAL ENTRY CRITERIA AND BASES**6.14.2 INITIATING CONDITION NA1**

Initiating Conditions							Entry Criteria		NA1 A L E R T
NA1 Security event in the plant Protected Area. Applicable Modes:							Intrusion into Protected Area by hostile force.	Any security event resulting in a declaration of a SECURITY EMERGENCY in accordance with the <PNPP Physical Security Plan>.	
1	2	3	4	5	D				

DISCUSSION

Security events which represent a threat to plant safety are addressed by the <PNPP Physical Security Plan>. A SECURITY EMERGENCY is defined as a “very serious security-related situation that poses a clear or imminent threat or danger to the plant and indicates the need for prompt response by Security or Operations personnel.” A very serious threat is defined as “a threat perceived as having such a high probability of being executed that a response or preventive action must be taken. Any security event considered a very serious threat is categorized as a SECURITY EMERGENCY per the SCIs.

Intrusion into a Vital Area by a hostile force as defined in Site Area Emergency per NS1 will escalate this event to Site Area Emergency.

(Reference: <NUMARC/NESP-007> (Rev. 2), Alert HA4)

EAL ENTRY CRITERIA AND BASES**6.14.3 INITIATING CONDITION NS1**

Initiating Conditions							Entry Criteria		
NS1 Security event in a plant Vital Area.							Intrusion into a plant Vital Area by a hostile force.	Explosive device discovered in a plant Vital Area.	Confirmed act of sabotage within a plant Vital Area.
Applicable Modes:									
1	2	3	4	5	D				

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EAL ENTRY CRITERIA AND BASES

6.14.3 NS1 (Cont.)

DISCUSSION

This class of security event represents an escalated threat to plant safety above that contained in NA1 for an Alert in that a hostile force has progressed from the Protected Area to the Vital Area. The Vital Area is within the Protected Area and is controlled by key card readers. These areas contain vital equipment which includes any equipment, system, device, or material, the failure, destruction, or release of which could directly or indirectly endanger the public health and safety by exposure to radiation. Equipment or systems which would be required to function to protect health and safety following such, failure, destruction, or release are also considered vital.

A confirmed explosive device within a vital area is a direct threat to vital equipment designed to protect the public. If there is conclusive evidence that a vital area has been entered by a hostile force, even though he is no longer present, the intrusion had been made and a Site Area Emergency is therefore warranted.

For the purposes of this initiating condition, a civil disturbance which penetrates the Protected Area boundary as well as an individual or group of individuals with known or suspected malicious intent can be considered a hostile force. However, this hostile force must occupy or gain control of a vital area to meet the criteria for the declaration of a Site Area Emergency.

(Reference: <NUMARC/NESP-007> (Rev. 2), Site Area Emergency HS1)

EAL ENTRY CRITERIA AND BASES**6.14.4 INITIATING CONDITION NG1**

Initiating Conditions							Entry Criteria	
NG1 Security event resulting in loss of ability to reach and maintain COLD SHUTDOWN.								Loss of physical control of the Control Room due to a hostile force or act.
Applicable Modes:								Loss of physical control of the Division 1 and 2 Remote Shutdown Areas due to a hostile force or act.
1	2	3	4	5	D			

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4.3 EOF Emergency Coordinator

1. Ensure the coordinated turnover of offsite agency notification responsibilities from the TSC to the EOF per <EPI-A8>.

4.4 TSC Administrative Assistant/EOF Manager

1. Coordinate the preparation, approval, and transmission of required notifications and periodic updates to the Nuclear Regulatory Commission (NRC), State of Ohio, local counties, and Industry support organizations.

4.5 Control Room Communicator(s)

1. I&C Technicians and Control Room Assistant (CRA) on shift will report to the Control Room upon declaration of an emergency, or as directed by the Shift Supervisor, to act as the Control Room Communicator.
2. Conduct notifications of County, State and Federal agencies and Industry support organizations, as directed.
3. Relocate to the TSC, when directed, to support the transfer of communication responsibilities to the TSC.

4.6 TSC/EOF Communicator(s)

1. Conduct notifications of County, State and Federal agencies, and Industry support organizations, as directed.
2. Contact additional ERO personnel, as directed, to augment or in relief of facility staff.

5.0 ACTIONS

5.1 Shift Supervisor/TSC Operations Manager/EOF Emergency Coordinator

- 5.1.1 Refer to Section 5.4.1 for notifications performed from the Remote Shutdown Panel due to a Control Room evacuation.
- 5.1.2 Perform the following to ensure that the local counties, the State of Ohio, and the NRC are notified of the: (1) classification or classification of an event per <EPI-A1>, (2) issuance of an offsite protective action recommendation (PAR), or (3) event termination, and entry into the Recovery Phase if applicable, using an Initial Notification Form (PNPP No. 7794, Attachment 2). <P00031>
 1. Draft, or direct assigned/available staff to draft an initial notification message using the Initial Notification form.

NOTE: The TSC Administrative Assistant and EOF Manager coordinate the drafting of offsite notifications.

- a. When termination criteria for Unusual Event are met at time of classification per <EPI-A1>, use Blocks 4.a and 4.b on the Initial Notification form to simultaneously classify and terminate event.
 - b. Use Block 4.c on the Initial Notification form for documenting the classification of a "transitory event" per <EPI-A1>.
 - c. If the emergency classification has changed more than once since the last notification, use an Initial Notification form to update off-site agencies of the current emergency classification and provide a discussion for any previously unreported classification. Document additional discussions in the Shift Log or Facility Log.
2. Within approximately 10 minutes of the classification, reclassification, decision to issue an offsite PAR, or termination, review the completed form ensuring that all item blocks on the Initial Notification form are completed, then sign as approved and forward to the CR Communicators, TSC Administrative Assistant, or EOF Manager.

Fifteen (15) minutes is the requirement for performing an initial notification to the State of Ohio and local counties; however, at least 5 minutes must be allotted for communicator(s) to contact offsite agencies. <P00001>

The NRC shall be notified immediately upon completion of notifications to the State and local counties, but within 1 hour of event declaration. <P00062>

- 5.1.3 Ensure that an individual knowledgeable in system operations, when available, is assigned to the NRC Emergency Notification System (ENS) Circuit in the TSC or Control Room.

Attachment 3 outlines a list of sample questions that may be asked by the NRC during an emergency.

- 5.1.4 Respond to Federal, State and local county inquiries in a timely manner, but do not allow this to interfere with your responsibilities to oversee plant operations or direct required E-Plan actions. <P00102>
- 5.1.5 Perform the following to ensure a follow-up notification is provided to the State of Ohio, local counties, and the NRC within 1 hour of event classification or issuance of an offsite PAR:
 1. Draft, or direct assigned/available staff to draft a follow-up message using the Follow-Up Notification form (PNPP No. 7795, Attachment 4).

PAGER MESSAGES

PNPP No. 9100 Rev. 9/9/98

PAP-1122/EPI-B1/SPI-0032

CONTROL ROOM/TSC INSTRUCTIONS:

Select appropriate message in Block #1; complete brief status in Block #2; sign as approved, and forward to SAS.

SAS OPERATOR INSTRUCTIONS:

- If PBX or OPX Voice Mail method is used (for E-Plan ERO callouts only), in lieu of the Dialogic Call out System, record the following information in succession on voice mail message per <SPI-32>; otherwise follow Dialogic System protocol as outlined in <SPI-32>.
 - Block #1 - Message narrative* Block #2 - Event conditions Block #3 - Fitness for duty statement

1. Message No./Narrative (Select One):

(√)	No.	Event Code	Message Narrative*	(√)	No.	Event Code	Message Narrative*
	01	1111	Unusual Event - No facilities required.		14	4444	General Emergency - OSC, TSC, Backup EOF, and JPIC to be activated.
	02	1111	Unusual Event - PIRT to be activated.		15	5555	Event Termination (No Recovery Entered).
	03	1111	Unusual Event - OSC, TSC, and PIRT to be activated.		16	5555	Event Termination (Recovery Phase Entered).
	04	2222	Alert - OSC, TSC, and PIRT to be activated.				Facility Augmentation/Non-E-Plan Scenarios
	05	2222	Alert - OSC, TSC, and PIRT already activated; no additional facilities required.		17	5555	OSC to be activated.
	06	3333	Site Area Emergency - EOF and JPIC to be activated; no additional facilities required.		18	5555	TSC to be activated.
	07	3333	Site Area Emergency - Backup EOF and JPIC to be activated (TSC & OSC already activated).		19	5555	PIRT to be activated.
	08	3333	Site Area Emergency - OSC, TSC, EOF, and JPIC to be activated.		20	5555	OSC, TSC and PIRT to be activated.
	09	3333	Site Area Emergency - OSC, TSC, Backup EOF, and JPIC to be activated.		21	5555	EOF to be activated.
	10	4444	General Emergency - OSC, TSC, EOF, and JPIC already activated.		22	5555	Backup EOF at Ashtabula Service Center to be activated.
	11	4444	General Emergency - EOF and JPIC to be activated (TSC and OSC already activated).		23	5555	JPIC to be activated.
	12	4444	General Emergency - Backup EOF and JPIC to be activated (TSC & OSC already activated).				Drill/Test Use Only
	13	4444	General Emergency - OSC, TSC, EOF, and JPIC to be activated.		24	9999	Unannounced Pager Test (Shift Supervisor approval not required)

(√)	No.	Event Code	Message Narrative
	55	8005898002	Unplanned Shutdown - Forced Outage Situation
	60	8005898002	Davis-Besse Event Support

2. Conditions are as follows: _____

☐ Forced Outage Organization meeting schedule for: (if applicable): _____ at _____
 (Time) (Specific Location)

3. Record the following ONLY if the PBX or OPX Voice Mail is to be used:

"At the end of this message please state that you are NOT filling the position if:

- you are NOT fit for duty;
- you have consumed alcohol within the past 5 hours, OR
- you can NOT respond within 10 minutes of your response goal."

Approved: _____
 Date Time Shift Supervisor/TSC Operations Manager

Delivered/Called into SAS: _____
 Circle One Time

Activated By SAS: _____
 Date Time Name

INITIAL NOTIFICATION

PNPP No. 7794 Rev. 7/23/98

EPI-B1

COMMENTS:

COMMON OFFSITE ACRONYMS:

SD Sheriff's Department
 HP Highway Patrol
 OSHP Ohio State Highway Patrol
 EOC Emergency Operations Center
 EMA Emergency Management Agency
 OEMA Ohio Emergency Management Agency

COMMUNICATOR USE ONLY:

If the "5-Way" Ringdown or ENS Circuit was **NOT** used; a verification call back is required.

	PERSON CONTACTED	JOB TITLE	TIME OF CALL BACK (if applicable)
Ashtabula County			<input type="checkbox"/> NA;
Geauga County			<input type="checkbox"/> NA;
Lake County			<input type="checkbox"/> NA;
State of Ohio			<input type="checkbox"/> NA;
Nuclear Regulatory Commission			<input type="checkbox"/> NA;

NOTIFICATION TIMELINE

Event Begins (Indications are available)

