Facility: St. Lucie	Date of Examination: 2/21/11
Examination Level (circle one): RO/SRO	Operating Test Number: ***NRC***

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	M, R	A1 Perform a Manual Calorimetric – Unit 2
Conduct of Operations	N, R	A2 Determine time SDC entry conditions are required based on available CST level.
Equipment Control	N, R	A3 Develop Equipment Clearance Order for 2A HPSI Pump
Radiation Control	M, R	A4 (SRO) Determine Exposure Limits Under Emergency Conditions A5 (RO) Determine Exposure Limits Under Normal Conditions
Emergency Plan	N, S or R	A6 (SRO) Respond to Security Event

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

*Type Codes & Criteria:
(C)ontrol room, (S)imulator, or Class(R)oom
(D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs & RO retakes)
(N)ew or (M)odified from bank (≥ 1)
(P)revious 2 exams (≤ 1; randomly selected)

DRAFT

ADMINISTRATIVE JPM SUMMARY

A1: Conditions given on Unit 2 at 30% power. Direction given to perform a manual calorimetric. Plant data is given on cue sheet so calculation can be performed in the classroom in a group setting.

A2: Given CST level and plant conditions determine time SDC entry conditions required.

A3: Develop ECO to replace defective shaft seals on the 2A High Pressure Safety Injection pump. Identification of applicable Technical Specifications when removing the 2A HPSI from service are also required.

A4: SRO: A LOCA has occurred with an isolable leak on the Charging pump. Given the dose rate and time to isolate the leak the SRO is to determine if an individual can perform this evolution without exceeding the Emergency Plan guidelines.

A5: RO: Radiological conditions are given to repair the refueling machine. Four individuals (two FPL and two contract personnel) are assigned to perform the repair. The individuals past exposure is given. The RO is to determine if the individuals can perform the repairs without the Site Vice Presidents approval.

A6: TIME CRITICAL. Conditions will be given that armed intruders have entered the protected area. Direction is given to implement 0-AOP-72.01, 'Response to Security Events'. This will lead into implementing EPIPS.

REGION II
ST. LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

PERFORM A MANUAL CALORIMETRIC UNIT 2

A1

CANDIDATE _____

EXAMINER _____

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

PERFORM A MANUAL CALORIMETRIC UNIT 2

KA Statement: 2.1.7 Ability to evaluate plant performance and make operational judgments based on operating characteristics, reactor behavior, and instrument interpretation.

KA #: 4.4 / 4.7

References: 2-3200020, Primary System Manual Calorimetric
Steam Tables
Enthalpy Tables for Plant
Calculator

Candidate: _____ Time Start _____
Name
Time Finish _____

Performance Rating: Sat _____ Unsat _____

Validation Time 20 minutes

Examiner: _____ **Signature:** _____

Comments

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

PERFORM A MANUAL CALORIMETRIC UNIT 2

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference needed to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

It is Wednesday, 2-21-11. Unit 2 is at approximately 30% (DCS calorimetric power is 30.28%), returning from a Short Notice Outage. A Chemistry hold is in effect until further notice.

Initiating Cue

The Unit Supervisor has instructed you to perform a primary system manual calorimetric IAW 2-3200020. No computers are available to perform this calculation.

Data Sheet if performed in classroom

Steam Pressures

PI-8013A: 885 psia
PI-8023A: 886 psia
PI-8013B: 887 psia
PI-8023B: 886 psia
PI-8013C: 888 psia
PI-8023C: 887 psia
PI-8013D: 889 psia
PI-8023D: 886 psia

Feedwater temperatures are 330 degrees F

Total blowdown = 80 gpm

Feed flow 9011-2 (ERDADS) = 1.56 x10E6 lbm/hr

Feed flow 9021-2 (ERDADS) = 1.56 x10E6 lbm/hr

DCS pt KFA = 29101

DCS pt KFB = 29345

Charging and Letdown are in operation

START TIME: _____

Data Sheet 1 of OP 2-3200020 "Primary System Manual Calormetric"	
STEP 1: Date and Time STANDARD: **ENTER** 2/21/11 **and** current time. COMMENTS:	_____ SAT _____ UNSAT
STEP 2: ENTER MAIN STEAM PRESSURE PI-8013A_____ PI-8023A_____ PI-8013B_____ PI-8023B_____ PI-8013C_____ PI-8023C_____ PI-8013D_____ PI-8023D_____ STANDARD: **ENTER** correct reads from PIs on RTGB-206 of Simulator **Band: (886 – 887)** **Or** 887 average for all pressures per classroom data COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 3: COMPUTE TOTAL FEEDWATER FLOW A. Loop _____ (FT9011-2 (ERDADS), or FR 9011) x _____ (DCS PT KFA) ÷ 29178 = _____ x 10^6 lb/hr STANDARD: **ENTER** and **CALCULATE** A. Loop **1.56** (FT9011-2 (ERDADS), or FR 9011) x **29101** (DCS PT KFA) ÷ 29178 = **1.5559** x 10^6 lb/hr **Band: (1.54 – 1.58)** **Band: (1.53 – 1.58)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT

STEP 4: COMPUTE TOTAL FEEDWATER FLOW B. Loop _____ (FT9021-2 (ERDADS), or FR 9021) x _____ (DCS PT KFB) ÷ 29050 = _____ x 10^6 lb/hr STANDARD: **ENTER** and **CALCULATE** B. Loop **1.56** (FT9021-2 (ERDADS), or FR 9021) x **29345** (DCS PT KFB) ÷ 29050 = **1.5758** x 10^6 lb/hr **Band: (1.54 – 1.58)** **Band: (1.55 – 1.60)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 5: COMPUTE TOTAL FEEDWATER FLOW M_{FW} = _____ (Total A+B Loop) x 10^6 lb/hr STANDARD: **ENTER** and **CALCULATE** M_{FW} = **3.1317** (Total A+B Loop) x 10^6 lb/hr **Band: (3.09 – 3.17)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 6: Average Steam Pressure = _____ TOTAL divided by 8 _____ AVERAGE STANDARD: **ENTER** and **CALCULATE** Average Steam Pressure = **7094** TOTAL divided by 8 **887** AVERAGE **Band: (7050 – 7100)** **Band: (880 – 900)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT

STEP 7: ENTER FEEDWATER TEMPERATURE TR-09-5B (behind RTGB 202) Channel 1 _____ °F Channel 2 _____ °F STANDARD: **ENTER** TR-09-5B (behind RTGB 202) Channel 1 **330** °F Channel 2 **330** °F COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 8: Average Feedwater Temperature = _____ (TOTAL) divided by 2 = _____ (AVERAGE) STANDARD: **ENTER** and **CALCULATE** Average Feedwater Temperature = **660** (TOTAL) divided by 2 = **330** (AVERAGE) **Band: (656 – 664)** **Band: (328 – 332)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 9: From the steam tables, enter the enthalpy of the average steam pressure: h_{STEAM}= _____BTU/lbm STANDARD: **ENTER** h_{STEAM}= **1196.95** BTU/lbm **Band: (1197.30 – 1196.20)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT

STEP 10:	Calculate the heat output due to steam flow (Q_{STEAM}): h_{STEAM} x [M_{FW} x 10^6 - M_{BD} x 10^6] = Q_{STEAM} 10^6 BTU/hr STANDARD: **ENTER** and **CALCULATE** **1196.95** x [**3.1317** 10^6 - **.039599** 10^6] = **3748.44** 10^6 BTU/hr **Band: (3700 – 3800)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 11:	From the steam tables, enter the enthalpy of the average feedwater temperature: h_{FW} = _____ BTU/lbm STANDARD: **ENTER** h_{FW} = **300.8** BTU/lbm **Band: (298.7 – 302.9)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT
STEP 12:	Calculate the heat feedwater heat input (Q_{FW}): (_____ x 10^6) x (_____) = _____ x 10^6 BTU/hr M_{FW} h_{FW} Q_{FW} STANDARD: **ENTER** and **CALCULATE** (**3.1317** x 10^6) x (**300.8**) = **942.02** x 10^6 BTU/hr **Band: (923 – 960)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT

STEP 13: Circle the total blowdown flow from the S/Gs and the corresponding heat output:
(Interpolation is not required, circle the closest blowdown flow below or the lower flow if between flow rates, to be conservative.)

_____ SAT

_____ UNSAT

Total blowdown flow (both steam generators)	Mass flow of blowdown M_{BD}	Heat output from blowdown Q_{BD}
40 GPM	.019799 x 10^6 lbm/hr	9.728 x 10^6 BTU/hr
80 GPM	.039599 x 10^6 lbm/hr	19.456 x 10^6 BTU/hr
120 GPM	.059398 x 10^6 lbm/hr	29.183 x 10^6 BTU/hr
160 GPM	.079198 x 10^6 lbm/hr	38.912 x 10^6 BTU/hr
200 GPM	.098997 x 10^6 lbm/hr	48.639 x 10^6 BTU/hr
240 GPM	.118797 x 10^6 lbm/hr	58.367 x 10^6 BTU/hr

STANDARD: **CIRCLE** 80 GPM line

Total blowdown flow (both steam generators)	Mass flow of blowdown M_{BD}	Heat output from blowdown Q_{BD}
40 GPM	.019799 x 10^6 lbm/hr	9.728 x 10^6 BTU/hr
80 GPM	.039599 x 10^6 lbm/hr	19.456 x 10^6 BTU/hr
120 GPM	.059398 x 10^6 lbm/hr	29.183 x 10^6 BTU/hr
160 GPM	.079198 x 10^6 lbm/hr	38.912 x 110^6 BTU/hr
200 GPM	.098997 x 10^6 lbm/hr	48.639 x 10^6 BTU/hr
240 GPM	.118797 x 10^6 lbm/hr	58.367 x 10^6 BTU/hr

COMMENTS:

STEP 14: Calculate the heat output from the core: If charging and letdown flow is secured for any reason, use a value of 48.952 for Q_{OTHER}. If charging and letdown flow is operating normally, use a value of 46.905 for Q_{OTHER}. $[\underline{\quad}_{Q_{STEAM}} - \underline{\quad}_{Q_{FW}} + \underline{\quad}_{Q_{BD}} - \underline{\quad}_{Q_{OTHER}}] \times 10^6 \frac{BTU}{hr} = \underline{\quad}_{Q_{CORE}} \times 10^6 \frac{BTU}{hr}$ STANDARD: **ENTER** and **CALCULATE** $[\underline{\mathbf{3748.44}}_{Q_{STEAM}} - \underline{\mathbf{942.02}}_{Q_{FW}} + \underline{\mathbf{19.456}}_{Q_{BD}} - \underline{\mathbf{46.905}}_{Q_{OTHER}}] \times 10^6 \frac{BTU}{hr} = \underline{\mathbf{2778.97}}_{Q_{CORE}} \times 10^6 \frac{BTU}{hr}$ **Band: (2760 – 2810)** COMMENTS:	CRITICAL STEP _____ SAT _____ UNSAT

NOTE
Calculated Power in percent must be within 2% of DCS Calorimetric power. If not, notify the US / SM. Initiate W/R for ICM to adjust ΔT power.

CRITICAL STEP

_____ SAT

_____ UNSAT

STEP 15: Calculate percent core power:

Core Power = _____ / QCORE x 10^6 divided by (92.128 x 10^6) = [_____ %] Manual Calorimetric Power

STANDARD: **ENTER** and **CALCULATE**

Core Power = **2778.97** / QCORE x 10^6 divided by (92.128 x 10^6) = [30.16 %] Manual Calorimetric Power

Band: (29.89 – 30.49)

Record DCS Calorimetric Power (QRP% 10 Minute ave). (QRPP (instantaneous) should be used below if the reactor has not been in a stable configuration for at least 10 minutes)

DCS Calorimetric Power = _____%

COMMENTS:

STEP (done): Inform Candidate JPM is complete. STANDARD: **EXAMINER'S CUE: THIS JPM IS COMPLETE.** COMMENTS: **END OF TASK**	_____ SAT _____ UNSAT

STOP TIME: _____

CANDIDATE COPY
(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

Initial Conditions

It is Wednesday, 2-21-11. Unit 2 is at approximately 30% (DCS calorimetric power is 30.28%), returning from a Short Notice Outage. A Chemistry hold is in effect until further notice.

Initiating Cue

The Unit Supervisor has instructed you to perform a primary system manual calorimetric IAW 2-3200020. No computers are available to perform this calculation.

SIMULATOR JPM SETUP

1. **RESTORE** IC-3, 29% power, MOL.
2. **UNFREEZE** simulator.

FPL

St. Lucie Nuclear Plant

Operations Training

JOB PERFORMANCE MEASURE

DETERMINE TIME SDC ENTRY CONDITIONS ARE REQUIRED BASED ON AVAILABLE CST LEVEL – UNIT 1

NRC A2

Developed/Revised by: Larry Rich _____
Date

Training Management Approval: _____
Date

JOB PERFORMANCE MEASURE

Task: Given a set of conditions, determine time SDC entry conditions are required based on available CST level– Unit 1.

Faulted JPM? No

Facility JPM #: New

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

K/A Rating(s): 3.9 / 4.2

Duty Area(s): N/A

Task Information: 07200105

Task Standard:

Determine time SDC entry conditions are required based on available CST level

Evaluation Location:				**Performance Level:**		
Simulator	In Plant	Lab	Other	Perform	Simulate	Discuss
			x	X		

References:

- 1-EOP-99, Appendices/Figures/Tables/Data Sheets, Revision 39B

Validation Time: 10 minutes **Time Critical:** NO

Tools/Equipment/Procedures Needed:

- 1-EOP-99, Appendices/Figures/Tables/Data Sheets, Data Sheet 1, Figures 3, 4, 5, 6, 7 and 8
- Calculator, Straight edge

Specific Safety Rules, Personal Protective Equipment and Hazards associated with the task.

- None

Radiological Protection and RWP Requirements:

- None

JOB PERFORMANCE MEASURE
INITIAL CONDITIONS AND SPECIFIC DIRECTIONS

SPECIFIC DIRECTIONS:

- The task you are to perform is: determine time SDC entry conditions are required based on available CST level – Unit 1.
- The performance level to be used for this JPM is Perform.
- During the performance of the task, I will tell you which steps to simulate or discuss.
- I will provide you with the appropriate cues for steps that are simulated or discussed.
- You may use any approved reference materials normally available in the execution of this task, including logs.
- Indicate to me that you have finished the assigned task by returning the Candidate Cue Sheet that I provided to you.

INITIAL CONDITIONS:

- A Unit 1 reactor trip occurred from 100% power two (2) hours ago.
- One (1) RCP in each loop is operating.
- Reactor Coolant System Tcold is **530°F.**
- Condensate Storage Tank (CST) level is **25 feet**.

INITIATING CUES:

The Unit Supervisor has directed you to perform 1-EOP-99, Data Sheet 1, 'Determination Of Condensate Required to remove Decay Heat and RCP Heat' and determine time SDC entry is required.

START TIME: _____

DATA SHEET 1 **DETERMINATION OF CONDENSATE REQUIRED TO REMOVE DECAY HEAT AND RCP HEAT**	
STEP 1 (1): RECORD the current CST level below. STANDARD: **RECORDS** 25 feet on Data Sheet 1 step 3. **EXAMINER'S NOTE: PROVIDE Data Sheet 1 and Figures 3, 4, 5, 6, 7, and 8** COMMENTS:	_____ SAT _____ UNSAT
STEP 2 (2): DETERMINE the number of CST feet needed to cool down from present RCS temperature to 300°F from Figure 3 and RECORD below. STANDARD: **RECORDS** 3.8 feet on step 3, 'Figure 3 Value' **EXAMINER'S NOTE: Acceptable range 3.75 to 3.85 feet** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 3 (3): SUBTRACT Figure 3 value from current CST level. The result is CST inventory available for RCS cooldown. STANDARD: **RECORD** 21.2 on step 3 'Available CST level' **EXAMINER'S NOTE: Acceptable range 21.25 to 21.42 CST level** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 4 (4):	Utilize the available CST level value from above and DETERMINE the time until SDC entry conditions are required using Figure 4, 5, 6, 7, or 8 depending on the number of RCPs that are operating.	**CRITICAL STEP**
STANDARD:	**DETERMINES** Figure 6 is used based on 2 RCPs running. **DETERMINES** 19 hours until SDC entry is required **EXAMINER'S NOTE: Acceptable range 18 to 20 hours based on 2 hours after shutdown and 21.2 feet available in CST.**	_____ SAT _____ UNSAT
EXAMINER'S CUE:	**When Data Sheet 1 is handed back, STATE: "This JPM is complete."**	
COMMENTS:		
	END OF TASK	

STOP TIME: _____

JOB PERFORMANCE MEASURE
CANDIDATE CUE SHEET

(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF THE TASK)

INITIAL CONDITIONS:

- A Unit 1 reactor trip occurred from 100% power two (2) hours ago.
- One (1) RCP in each loop is operating.
- Reactor Coolant System Tcold is **530°F.**
- Condensate Storage Tank (CST) level is **25 feet**.

INITIATING CUES:

The Unit Supervisor has directed you to perform 1-EOP-99, Data Sheet 1, 'Determination Of Condensate Required to remove Decay Heat and RCP Heat' and determine time SDC entry is required.

REGION II
ST. LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

Develop ECO for 2A HPSI Pump and Determine Associated Technical Specifications - UNIT 2

A3

CANDIDATE _____

EXAMINER _____

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

Develop ECO for 2A HPSI pump

K/A: 2.2.13 Knowledge of tagging and clearance procedures.

K/A Rating(s): 4.1 / 4.3

References:

P&ID 2998-G-078 SH 130A
P&ID 2998-G-083 SH 1
P&ID 2998-G-078 SH 105A
ADM-09.08 Operations In-Plant Equipment Clearance Orders
2-ADM-03.01A Unit 2 Power Distribution Breaker List
Operations Policy OPS-406 Clearance Database Conventions

Candidate: _____ Time Start _____
Name
Time Finish _____

Performance Rating: Sat _____ Unsat _____

Validation Time 20 minutes

Examiner: _____ **Signature:** _____

Comments

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

Develop ECO for 2A HPSI pump

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

Unit 2 is at 100% power. The 2A HPSI pump has defective shaft seals and they are to be replaced. The 2B HPSI pump shaft seals have been determined to be satisfactory. No other equipment is out of service.

Initiating Cue

On the attached matrix, develop an Equipment Clearance Order for the 2A HPSI Pump that would facilitate replacing the pump shaft seals. Identify any applicable Technical Specifications associated with removing the 2A HPSI pump from service.

Component	Name	Position	Tag (type)
2A HPSI Control Room Pump Switch	2-CS-237	Off	Info Tag
*Breaker 2-20201	2A HPSI Pump	Racked Out Plus	Danger
Breaker 2-20201	Trip Fuse	Removed	N/A
Breaker 2-20201	Close Fuse	Removed	N/A
*V3427	2A HPSI Pump Discharge Valve	Locked Closed Plus	Danger
*V3470	2A HPSI Pump Suction Valve	Locked Closed Plus	Danger
*V3202	2A HPSI Pump Recirc Valve	Locked Closed Plus	Danger
*V14259	2A HPSI Pump Cooling Inlet Isol	Locked Closed Plus	Danger
*V14262	2A HPSI Pump Cooling Outlet to Return Hdr A Isol	Locked Closed Plus	Danger
NOTE: The following drains and vent may be opened and tagged but only ONE VENT and ONE DRAIN is needed to be opened to meet the critical step. #As per Ops Policy 406, 'Vents and Drains do not require a danger tag. It is preferred, but not required'.			
V3679	2A HPSI Pump Casing Drain	Open	#Danger
*V3938	2A HPSI Pump Suct. Vent	Open	#Danger
V3678	2A HPSI Pump Casing Drain	Open	#Danger

***Technical Specification:**

3.5.2 Action a.2 Restore within 72 Hours or HSB next 6 hours HSD the following 6 hours

*Critical Step

(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

Unit 2 is at 100% power. The 2A HPSI pump has defective shaft seals and they are to be replaced. The 2B HPSI pump shaft seals have been determined to be satisfactory. No other equipment is out of service.

Initiating Cue

On the attached matrix, develop an Equipment Clearance Order for the 2A HPSI Pump that would facilitate replacing the pump shaft seals. Identify any applicable Technical Specifications associated with removing the 2A HPSI pump from service.

REGION II
ST. LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

DETERMINE EXPOSURE LIMITS UNDER EMERGENCY CONDITIONS

SRO A4

CANDIDATE _____

EXAMINER _____

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

EVALUATE PERSONNEL EXPOSURE LIMITS

KA Statement: 2.3.4 Knowledge of radiation exposure limits under normal or emergency conditions.

KA #: 3.2 / 3.7

References: EPIP-02, Duties and Responsibilities of the Emergency Coordinator

NOTE: No references to be handed out for this task

Candidate: _____ Time Start
Name

Time Finish

Performance Rating: Sat _____ Unsat _____

Validation Time 10 minutes

Examiner: _____ **Signature:** _____

Comments

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

EVALUATE PERSONNEL EXPOSURE LIMITS

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference needed to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

A Large Break LOCA occurred on Unit 2 six hours ago. 2-EOP-03, "LOCA" is being used and all safety functions are being met. The 2B and 2C charging pumps are operable. An isolable leak had developed on the 2A Charging header and a reentry team that was attempting to close a valve to isolate the leak was unsuccessful due to a broken reach rod. Isolation of the leak is needed to prevent damage to the 2A Charging pump. Dose rates initially taken three (3) feet from the valve were 2.8 R/hr. HP states the person performing this task will be working within two (2) feet of the valve. The job is estimated to take 45 minutes to perform with ingress and egress dose negligible. The person performing this task has a year to date dose of 280 mR.

Initiating Cue

As the EC (Emergency Coordinator) you have been asked to authorize a second reentry team tasked with disconnecting the reach rod linkage at the valve hand wheel and closing the valve. Determine the following:

1. Calculate dose that will be received while performing the task.
2. State the procedural limits for this task.
3. State whether this task will be allowable under current guidelines.

START TIME: _____

STEP 1:	Calculate dose that will be received while performing the task.	**CRITICAL STEP**
STANDARD:	**Use Inverse square law to calculate dose rate at 2 feet.** **$DR_2 = DR_1 (R_1)^2 / (R_2)^2$** **$DR_2 = (2.8\ R/hr)\ (3\ ft)^2 / (2\ ft)^2 = 6.3\ R/hr$** **Apply 45 minutes to work valve:** **6.3 R/hr x 45 minutes x 1 hr/60 minutes = 4.725 R** **EXAMINER'S CUE: NONE** COMMENTS:	_____ SAT _____ UNSAT
STEP 2:	Procedure limits for this task	**CRITICAL STEP**
STANDARD:	**DETERMINES ACTIONS THAT WOULD NOT DIRECTLY MITIGATE THE EVENT. LIMIT = 5 R** **EXAMINER'S CUE: NONE** COMMENTS:	_____ SAT _____ UNSAT
STEP 3:	State whether this task will be allowable under current guidelines.	**CRITICAL STEP**
STANDARD:	**YES 4.725 R < 5 R LIMIT** **EXAMINER'S CUE: ACKNOWNLEDGE** **EXAMINERS NOTE: If applicant incorrectly adds his 280 mr. exposure for the year to the 4.725 R for this task he / she will be > 5 R and may incorrectly NOT ALLOW THIS TASK.** COMMENTS:	_____ SAT _____ UNSAT

STOP TIME: _____

CANDIDATE COPY

(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

Initial Conditions

A Large Break LOCA occurred on Unit 2 six hours ago. 2-EOP-03, "LOCA" is being used and all safety functions are being met. The 2B and 2C charging pumps are operable. An isolable leak had developed on the 2A Charging header and a reentry team that was attempting to close a valve to isolate the leak was unsuccessful due to a broken reach rod. Isolation of the leak is needed to prevent damage to the 2A Charging pump. Dose rates initially taken three (3) feet from the valve were 2.8 R/hr. HP states the person performing this task will be working within two (2) feet of the valve. The job is estimated to take 45 minutes to perform with ingress and egress dose negligible. The person performing this task has a year to date dose of 280 mr.

Initiating Cue

As the EC (Emergency Coordinator) you have been asked to authorize a second reentry team tasked with disconnecting the reach rod linkage at the valve hand wheel and closing the valve. Determine the following:

1. Calculate dose that will be received while performing the task
2. Determine your allowable dose for this task
3. State whether this task will be allowable under current guidelines

ST. LUCIE NUCLEAR PLANT
ADMINISTRATIVE JPM

DETERMINE EXPOSURE LIMITS UNDER NORMAL CONDITIONS

RO A5

CANDIDATE _____

EXAMINER _____

ST LUCIE NUCLEAR PLANT
ADMINISTRATIVE JPM

ST. LUCIE RADIATION REQUIREMENTS

KA Statement: 2.3.4 Knowledge of radiation exposure limits under normal or emergency conditions.

KA #: 3.2 / 3.7

References: HP-2, FP&L Health Physics Manual

NOTE: No references to be handed out for this task.

Candidate: _____ Time Start _____
Name
Time Finish _____

Performance Rating: Sat _____ Unsat _____

Validation Time 15 minutes

Examiner: _____ **Signature:** _____

Comments

ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

ST. LUCIE RADIATION REQUIREMENTS

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference needed to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

Unit 2 is in a refueling outage and refueling equipment preparations are under way. The Refueling Machine Hoist Box will need to be rebuilt.

The Hoist Box rebuild will take 45 minutes in a 2700 mR/hr field.

Below are the employee's dose records:

Contract Consult.	Age	Lifetime Dose (TEDE)	Current Year FPL at St. Lucie (TEDE)	Current Year total at all sites (TEDE)
1	25	27 R	350 mR	2550 mR
2	38	35 R	550 mR	2000 mR

FPL Employee	Age	Lifetime Dose (TEDE)	Current Year FPL at St. Lucie (TEDE)	Current Year total at all sites (TEDE)
1	40	27 R	550 mR	650 mR
2	38	33 R	450 mR	450 mR

Initiating Cue

What dose would be received for each person and which employee(s) are allowed to rebuild the Hoist Box **without** the Site Vice President's approval?

START TIME: _____

STEP 1:	Calculates the dose the employee will receive performing the rebuild.	
STANDARD:	**CALCULATES** 2700 mR/hr x 45 min x 1 hr/60 min = 2025 mR.	
COMMENTS:		_____ SAT _____ UNSAT
HP-2, FP&L Health Physics Manual STEP 2:	Determines Contract employee #1"s FPL Site and Total for All Sites doses.	**CRITICAL STEP**
STANDARD:	**DETERMINES** that Contract employee #1 will exceed 4500 mR/year for All Sites and will need the St. Vice President approval. Therefore **Contract employee #1 can NOT be used.** **EXAMINERS NOTE:** Contract employee #1 would receive 2375 mR for St. Lucie site and 4575 mR for all sites.	_____ SAT _____ UNSAT
COMMENTS:		
STEP 3:	Determines Contract employee #2"s FPL Site and Total for All Sites doses.	**CRITICAL STEP**
STANDARD:	**DETERMINES** that Contract employee #2 will not exceed FPL Site and Total for All Sites dose limits. Therefore **Contract employee #2 CAN be used.** **EXAMINERS NOTE:** Contract employee #2 would receive 2575 mR for St. Lucie site and 4025 mR for all sites.	_____ SAT _____ UNSAT
COMMENTS:		

STEP 4:	Determines FPL employee #1"s FPL Site and Total for All Sites doses.	**CRITICAL STEP**
STANDARD:	**DETERMINES** that FPL employee #1 will exceed 2500 mR/year for St. Lucie Site and will need the St. Vice President approval. Therefore **FPL employee #1 can NOT be used.** **EXAMINERS NOTE:** FPL employee #1 would receive 2575 mR for St. Lucie site and 2675 mR for all sites.	_____ SAT _____ UNSAT
COMMENTS:		
STEP 5:	Determines FPL employee #2"s FPL Site and Total for All Sites doses.	**CRITICAL STEP**
STANDARD:	**DETERMINES** that FPL employee #2will not exceed FPL Site and Total for All Sites dose limits. Therefore **FPL employee #2 CAN be used.** **EXAMINERS NOTE:** FPL employee #2 would receive 2475 mR for St. Lucie site and 2475 for all sites.	_____ SAT _____ UNSAT
COMMENTS:		
STEP (done): Candidate informs the Examiner that the task is complete.		
STANDARD: **INFORMS** the Examiner that the task is complete.		
EXAMINER'S CUE: **TASK IS COMPLETE**		_____ SAT
COMMENTS:		_____ UNSAT
END OF TASK		

STOP TIME: _____

CANDIDATE COPY
(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

Initial Conditions

Unit 2 is in a refueling outage and refueling equipment preparations are under way. The Refueling Machine Hoist Box will need to be rebuilt.

The Hoist Box rebuild will take 20 minutes in a 6000 mR/hr field.

Below are the employee's dose records:

Contract Consult.	Age	Lifetime Dose (TEDE)	Current Year FPL at St. Lucie (TEDE)	Current Year total at all sites (TEDE)
1	25	27 R	350 mR	2550 mR
2	38	35 R	550 mR	2000 mR

FPL Employee	Age	Lifetime Dose (TEDE)	Current Year FPL at St. Lucie (TEDE)	Current Year total at all sites (TEDE)
1	40	27 R	550 mR	650 mR
2	38	33 R	450 mR	450 mR

Initiating Cue

Which employee(s) are allowed to rebuild the Hoist Box **without** the Site Vice President's approval?

REGION II
ST. LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

RESPOND TO SECURITY EVENT
(SRO)

A6

Portions of this JPM are TIME CRITICAL

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

RESPOND TO SECURITY EVENT

KA Statement: 2.4.28 Knowledge of procedures relating to security event (non-safeguards information)

KA #: 3.2 / 4.1

References: 0-AOP-72.01, 'Response to Security Events'
EPIP-01, 'Classification of Emergencies'
EPIP-02, 'Duties and Responsibilities of the Emergency Coordinator'
EPIP-08, 'Off-Site Notifications and Protective Action Recommendations'

Candidate: _____
Name

Validation Time: **30 minutes**

Start Time: _____ **Finish Time:** _____

Performance Rating: **Sat** _____ **Unsat** _____

Examiner: _____ **Signature:** _____

Comments

REGION II
ST LUCIE NUCLEAR PLANT
INITIAL LICENSE EXAMINATION
ADMINISTRATIVE JPM

RESPOND TO SECURITY EVENT

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference needed to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

Both Units are at 100% power.

Today at current time, **you** as the Shift Manager, receives a report from Security that armed intruders have entered the area and are near the cafeteria. No shots have been fired at this time.

Initiating Cue

You are located in Unit 2.

As the Shift Manager you are to implement 0-AOP-72.01, 'Response to Security Events'

NOTE: Portions of this JPM are time critical

Portions of this JPM are time critical

START TIME: _____

0-AOP-72.01, 'Response to Security Events' STEP 1 (4.2.2): **VERIFY** neither of the following have occurred: • Security Department reports armed intruders are within the Protected Area. • An aircraft has impacted inside the Protected Area. STANDARD: DETERMINES from cue armed intruders are within the protected area. **EXAMINER'S CUE: NONE** **EXAMINERS NOTE: This should be the start time to classify the event START TIME_____** COMMENTS:	**TIME CRITICAL START TIME** _____ SAT _____ UNSAT
STEP 2 (4.2.2.2.1): **TRIP** Unit 1 reactor DIRECTS Unit 1 US to trip the reactor. STANDARD: **DIRECTS** Unit 1 US to trip the reactor. **EXAMINER'S CUE: Unit 1 reactor is tripped** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 3 (4.2.2.2.2): **TRIP** Unit 2 reactor STANDARD: **DIRECTS** Unit 2 US to trip the reactor. **EXAMINER'S CUE: Unit 2 reactor is tripped** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 4 (4.2.2.2.3): **DON** headset attached to Control Room Security hotline phone. STANDARD: **DELEGATES** to another Licensed Operator to DON headset. **EXAMINER'S CUE: Licensed Operator has DONNED headset** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 5 (4.2.3): **IMPLEMENT** Security Checklist per EPIP-02, Duties and Responsibilities of the Emergency Coordinator. STANDARD: **REFERS** to EPIP-02, Duties and Responsibilities of the Emergency Coordinator, Security Checklist. **EXAMINER'S CUE: NONE** COMMENTS:	_____ SAT _____ UNSAT

EPIP-02, Duties and Responsibilities of the Emergency Coordinator.	**CRITICAL STEP**
STEP 6 (5.2): **5.2** Security Checklist for Land-Based Threat D. Land-Based Threat 1. Verify the Control Rooms are implementing 0-AOP-72.01, Response to Security Events. • Unit 1 • Unit 2 STANDARD: **IMPLEMENTS** EPIP-02 section 5.2 Security Checklist. **CONTACTS** Unit 1 and Unit 2 Unit Supervisors and directs Attachment 1, (step 4.2.4 of 0-AOP-72.01) "Response to Land Based Threat" of 0-AOP-72.01 "Response to Security Events", to be implemented. **EXAMINER'S CUE: Unit 1 and Unit 2 Unit Supervisors acknowledge.** **EXAMINER'S NOTE: A cue may need to be given that the Control Room crews will perform Attachment 1.** COMMENTS:	_____ SAT _____ UNSAT

EPIP-02, Duties and Responsibilities of the Emergency Coordinator.	**CRITICAL STEP**
STEP 7 : **5.2** Security Checklist **2.** Off-Site Notifications **NOTE** If a threat has been validated via phone call to the NRC Headquarters, the accelerated notification to the NRC is not required. **A.** §2 Make an accelerated notification to the NRC (reference EPIP-08). This is the St. Lucie Plant. My name is __**Applicants Name**_ . My title is __**Shift Manager**_. I am providing notification of a Security Event. Brief Description__**Armed Intruders in the protected area**__. Unit 1 is in Mode__**3**___, __**0**____% Power. Unit 2 is in Mode__**3**___, ___**0**___%Power. Additional information will be provided as soon as practical. STANDARD: **COMMUNICATES** to the NRC the above information **EXAMINER'S CUE: NRC has been notified.** COMMENTS:	_____ SAT _____ UNSAT

EPIP-02, Duties and Responsibilities of the Emergency Coordinator. STEP 8 (1): **5.2** Security Checklist **3.** ERO Activation **NOTE** The PSL Conference Bridge can be used to communicate with the ERO at an alternate location. Refer to the PSL Emergency Response Directory (ERD) for the phone number and password. **A.** Normal business hours – **1.** Delay activation of the Emergency Response Facilities or direct ERO personnel to an alternate Location. **2.** Request off-site responders to go to EOF / alternate facility per EPIP-03, Attachment 4. **B.** Off-normal hours - based on site accessibility, consider directing ERO personnel to report to the EOF or alternate location. STANDARD: **DETERMINES** delay or activation of the ERO personnel **EXAMINER'S CUE: If asked it is normal business hours** **EXAMINERS NOTE: Due to the nature of the event the ERO call out will probably be delayed. Activation of the EOF is permissible due to the EOF location is off site. Call outs should be delegated.** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

EPIP-02, Duties and Responsibilities of the Emergency Coordinator.

STEP 9 (1): **5.2** Security Checklist:

4. For further information, go to the appropriate procedure below:

A. 0-AOP-72.01, Response to Security Events

B. §3 EDMG-01, Guidelines for Responding to Large Area Fire or Explosion Involving Multiple Fire Zones.

C. SFI #6310 Threat Assessment and Notifications.

STANDARD: **DETERMINES** 0-AOP-72.01 is already being implemented **OR** call the Unit Supervisors to ensure the AOP is being implemented then continue with EPIP-02.

EXAMINER'S CUE: None or respond as US the AOP is being implemented.

EXAMINERS NOTE: The Shift Manager should NOT get involved with the AOP as he / she is the Emergency Coordinator and attention should be focused on the E-Plan. The Unit Supervisors should be implementing the Security AOP at each Unit.

COMMENTS:

_____ SAT

_____ UNSAT

EPIP-02, Duties and Responsibilities of the Emergency Coordinator. STEP 10 (1): **5.2** Security Checklist: **5.** Implement appropriate Emergency Plan Implementing Procedures (EPIPs). STANDARD: **IMPLEMENTS** EPIP-01 Classification of Emergencies **EXAMINER'S CUE: NONE** COMMENTS:	_____ SAT _____ UNSAT
EPIP-01 Classification of Emergencies STEP 11 (1): **5.3** Classifying the Event: STANDARD: **IMPLEMENTS** EPIP-01 Classification of Emergencies and **DETERMINES** classification of **SITE AREA EMERGENCY** under **HS4 HOSTILE ACTION** within the PROTECTED AREA **EXAMINER'S CUE: NONE** **EXAMINER'S NOTE: Applicant should refer to Attachment 1 and classify the event at this time.** **CLASSIFICATION TIME_____** **Must be ≤ 15 minutes from time noted in step 1 of this JPM. This is also the 15 minute start time to notify the State.** **EXAMINER'S CUE: None** COMMENTS:	**TIME CRITICAL STEP** _____ SAT _____ UNSAT

EPIP-08 Off-Site Notifications and Protective Action Recommendations **APPENDIX A** **NOTIFICATIONS FROM THE AFFECTED CONTROL ROOM** STEP 12 (1): If Security Event, Then go to Step 3.A.1.a NRC Notification or N/A. STANDARD: **DETERMINES** step is N/A/ as the NRC has been previously notified **EXAMINER'S CUE: NONE** COMMENTS:	_____ SAT _____ UNSAT
EPIP-08 Off-Site Notifications and Protective Action Recommendations **APPENDIX A** **NOTIFICATIONS FROM THE AFFECTED CONTROL ROOM** STEP 13 (2): State Watch Office Notification **A.** Prepare the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1). **2.** All other Security and Non-Security Events - Prepare the State Notification Form in accordance with Attachment 1A, Directions for Completing the Florida Nuclear Plant Emergency Notification Form. STANDARD: **EXAMINER'S CUE: NONE** **EXAMINERS NOTE: Per step 5.1.2.A.1 of EPIP-08, lines 1-11 of the notification form shall be completed.** COMMENTS:	_____ SAT _____ UNSAT

ATTACHMENT 1
FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

CRITICAL STEP

STEP 14 (Line 1):

1.* A. ☐ THIS IS A DRILL **B.** ☐ THIS IS AN EMERGENCY

_____ SAT

_____ UNSAT

STANDARD: Checks A

EXAMINER'S CUE: NONE
EXAMINER'S NOTE: Per EPIP-08, Attachment 1A step 1, drill, exercises or tests, each message shall be checked "this is a drill"

COMMENTS:

CRITICAL STEP

STEP 15 (Line 2):

2. A. Date: ___/___/____ **B. *** Contact Time: _____ **C.** Reported by: (Name) _____
D. Message Number: _____ **E.** Reported from: ☐ Control Room ☐ TSC ☐ EOF
F. ☐ Initial / New Classification OR ☐ Update Notification

_____ SAT

_____ UNSAT

STANDARD: A. Todays Date
B. Time contact made – left blank at this time
C. Applicants name
D. Message # 1
E. Control Room
F. Initial / NewClassification

EXAMINER'S CUE: NONE
EXAMINERS NOTE: Part B Contact time must be within 15 minutes of the emergency classification time
EXAMINER'S NOTE: Contact time shall be filled in when contact is made with the state.

COMMENTS:

STEP 16 (Line 3): **3.*** Site: **A.** ☐ Crystal River Unit 3 **B.** ☐ St. Lucie Unit 1 **C.** ☐ St. Lucie Unit 2 **D.** ☐ Turkey Point Unit 3 **E.** ☐ Turkey Point Unit 4 STANDARD: C, St. Lucie Unit 2 (St. Lucie Unit 2 is expected, Unit 1 is acceptable, but **not both** marked) **EXAMINER'S CUE: NONE** **EXAMINER'S NOTE: EPIP Attachment 1A step 3 requires only one affected unit be selected (either one can be selected but not both).** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 17 (Line 4): **4.*** Emergency Classification: **A.** ☐ Notification of Unusual Event **B.** ☐ Alert **C.** ☐ Site Area Emergency **D.** ☐ General Emergency STANDARD: C, Site Area Emergency **EXAMINER'S CUE: NONE** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 18 (Line 5): **5.*** **A.** ☐ Emergency Declaration: **B.** ☐ Emergency Termination: Date: ___/___/____Time: _____ STANDARD: A, Emergency Declaration time and date. **EXAMINER'S CUE: NONE** **EXAMINERS NOTE: This is the time emergency declaration is made. (Step 11 of this JPM)** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 19 (Line 6): **6.*** Reason for Emergency Declaration: **A.** ☐ EAL Number _____OR **B.** ☐ Description: _____ _____ STANDARD: A. EAL Number HS4, Hostile Action **EXAMINER'S CUE: NONE** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 20 (Line 7): **7.** Additional Information or Update: **A.** ☐ None OR **B.** ☐ Description: _____ _____ STANDARD: B. **ADD** additional information "armed intruders in the protected area" Unit 1 and Unit 2 are affected. **EXAMINER'S CUE: NONE** **EXAMINERS NOTE: If both Units affected, should state in the additional information section.** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 21 (Line 8): **8.*** Weather Data: **A.** Wind direction from _____ degrees **B.** Downwind Sectors Affected: _____ STANDARD: **DETERMINES** sectors affected MNP (step 8G, Page 45 of EPIP-08) **EXAMINER'S CUE: Wind Direction from 94°** **EXAMINERS NOTE: Applicant should determine sectors affected MNP (step 8G, Page 45 of EPIP-08)** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 22 (Line 9): **9.*** Release Status: **A.** ☐ None (Go to Item 11) **B.** ☐ In progress **C.** ☐ Has occurred, but stopped (Go to Item 11) STANDARD: NONE (Go to item 11) **EXAMINER'S CUE: NONE** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 23 (Line 11): **11.*** UTILITY PROTECTIVE ACTION RECOMMENDATIONS FOR THE PUBLIC: **A.** ☐ No utility recommended actions at this time. ***If form is completed in the Control Room, go to Item 15*** STANDARD: A. No utility protective action recommendations for the public. Goes to item 15 **EXAMINER'S CUE: NONE** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 24 (Line 15): Emergency Coordinator (EC) approval. **15.**(Do Not Read) EC or RM Approval Signature: _____Date:__/__/____ Time: _____ STANDARD: Documents approval including date and time. **EXAMINER'S CUE: NONE** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT
STEP 25 (2.C): Using the State HOT RINGDOWN PHONE, dial 100 STANDARD: Dials 100 on the State HOT RINGDOWN PHONE. **EXAMINER'S CUE: 100 has been dialed.** COMMENTS:	**CRITICAL STEP** _____ SAT _____ UNSAT

STEP 26 (.2.D):	Hold down the button on the handset while talking. This must be done each time you talk. Release the button in order to listen. When the State Duty Officer answers, announce: "This is St. Lucie Nuclear Plant [as applicable (Unit 1, 2)] with an emergency message. **Contact Time is _____.** I am standing by to transmit the Florida Nuclear Plant Emergency Notification Form when you are ready to copy." Allow the Duty Officer to contact St. Lucie County, Martin County and the Bureau of Radiation Control prior to transmitting the information from the notification form. When the parties are on line, provide the information slowly (e.g., in three word intervals) and deliberately, providing time for the information to be written down.	**TIME CRITICAL STEP** _____ SAT _____ UNSAT
On-line Verification:	☐ SWP/DEM ☐ DOH/BRC ☐ St. Lucie County/Ft. Pierce ☐ Martin County	
STANDARD:	**VERIFIES** the above are on line. Communicates message. States the contact time as the current time.	
EXAMINER'S CUE:	**Answer as the State Watch Office. The above agencies are on line.**	
EXAMINERS NOTE:	**Contact time above is Stop time for time critical step. This time must be less than 15 minutes from the time listed in step 11.**	
EXAMINERS NOTE:	**Applicant should go back to step 2 of this form and fill in Contact Time.**	
EXAMINERS NOTE:	**Upon completion of communication, terminate the task.**	
Time classified event (step 11) _____ Time contact made to state_____		
COMMENTS:		
	END OF TASK	

STOP TIME_____

CANDIDATE COPY
(TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference needed to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

Initial Conditions

Both Units are at 100% power.

Today at current time, **you** as the Shift Manager, receives a report from Security that armed intruders have entered the area and are near the cafeteria. No shots have been fired at this time.

Initiating Cue

You are located in Unit 2.

As the Shift Manager you are to implement 0-AOP-72.01, 'Response to Security Events'

NOTE: Portions of this JPM are time critical