

SECURE CONTAINMENT SPRAY

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K/A REFERENCE: 026 020 A2.08 (3.2/3.7)  
(NUREG-1122) 026 A4.01 (4.5/4.3)  
026 A4.05 (3.5/3.5)

ALTERNATE PATH JPM \_\_\_\_\_ YES  X  NO

**PERFORMANCE CHECKLIST:**

**SATISFACTORY** - Properly performed critical step(s) and/or in sequence (if applicable)

**UNSATISFACTORY** - Improperly performed critical step(s) and/or out of sequence (if applicable)

X  Procedure adequately addresses task elements.  
Enter identifier here:  EOP-1, Step 14, Rev. 30

\_\_\_\_\_ Other document adequately describes necessary task elements.  
Enter identifier here: \_\_\_\_\_

X  Task elements described as attached.

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**DESIRED MODE OF EVALUATION:**

**APPLICABLE EVALUATION SETTING:**

SIMULATE/WALKTHROUGH  X  DISCUSSION \_\_\_\_\_ PERFORM  X  IN-PLANT \_\_\_\_\_ CONTROL ROOM  X

VALIDATED TIME FOR COMPLETION:  10  MINUTES

**SECURE CONTAINMENT SPRAY**

EXAMINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

START TIME \_\_\_\_\_ FINISH TIME \_\_\_\_\_

PERFORMANCE  SAT  UNSAT

JOB TITLE:  AOT  COT  SRO  STA

**TOOLS/EQUIPMENT/REFERENCES:**

EOP-1, Rev. 30, "Loss of Reactor or Secondary Coolant."

**TASK STANDARDS:**

Containment spray is secured and in the standby mode.

**SIMULATOR INFORMATION:**

TIME	FAIL	COMPONENT	OPTION	VALUE	RAMP	DELAY	ACT	COND
---:--	IC-1	Steady State						
---:--	MAL	SGN3A	---	5E6	---	---	D	---

**NOTE:** The JPM administrator should insert the malfunction, then perform the steps of EOP 0, EOP 2.0 and EOP 1.0 through Step 13, ensure containment pressure is <15 psig, then FREEZE the simulator and administer the JPM (unless set up ahead of time). ENSURE HORNS ARE TAKEN TO OFF.

**NOTE:** If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.

**NOTE:** Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

**READ AND PROVIDE TO THE EXAMINEE**

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**THIS SECTION IS READ ONCE FOR THE ENTIRE PACKAGE OF JPMS. IT IS NOT REQUIRED TO REVIEW THIS SECTION FOR EVERY JPM BEING PERFORMED IN THE PACKAGE. THE INITIAL CONDITIONS AND INITIATING CUE(S)/TASKS TO BE PERFORMED SHOULD BE READ AND THEN PROVIDED TO THE EXAMINEE.**

After I read you the initial conditions and initiating cue(s)/task to be performed for this JPM and provide you a copy of the same, you may review and begin. Once you have completed the task, indicate completion by handing back this form to the evaluator unless otherwise told.

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

For all two and three-way communications, make your report to me, the JPM evaluator. I will reply to your reports with the statement, "acknowledge." All actions in the plant are to be simulated and all actions in the simulator will be performed. Ensure you make it clear to me, the evaluator, of all actions you are taking so that credit may be given for completing each step of the task.

**DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**

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**INITIAL CONDITIONS:**

You are in EOP 1 following a steam line break inside containment on "1A" Steam Generator. Containment pressure has lowered to <15 psig. EOP 1, Unit 1 has been completed through Step 13.

**INITIATING CUE(S) / TASK TO BE PERFORMED (SIMULATED):**

The DOS directs you to secure containment spray per EOP 1, Step 14.

SECURE CONTAINMENT SPRAY

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PERFORMANCE INFORMATION

**NOTE:** *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

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START TIME	STEP/SEQUENCE/CRITICAL			SAT
	1	1	N	UNSAT

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**ELEMENT:** Check containment spray pumps - ANY RUNNING

- 1P-14A, train A
- 1P-14B, train B

**STANDARD:** Spray pumps checked running by observing breaker position on C01. Recognizes 1P-14B is running and 1P-14A is secured.

**CUE:** 1P-14B red light is lit. (or as shown on simulator)

**COMMENTS:**

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	STEP/SEQUENCE/CRITICAL			SAT
	2	2	N	UNSAT

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**ELEMENT:** Check containment pressure <15 psig.

**STANDARD:** Containment pressure indication on C01 checked. Recognizes pressure <15 psig.

**CUE:** Containment pressure is 10 psig and lowering. (or as shown on simulator)

**COMMENTS:**

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	STEP/SEQUENCE/CRITICAL			SAT
	3	3	Y	UNSAT

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**ELEMENT:** Reset containment spray signal.

**STANDARD:** Containment spray reset on rear of C01 by depressing Train A and Train B Containment Spray pushbuttons (the examinee should check C01 B2-6 annunciator is cleared but this is not critical to task completion).

**CUE:** Containment spray annunciator is reset. (or as indicated on simulator).

**COMMENTS:**

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PERFORMANCE INFORMATION

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STEP/SEQUENCE/CRITICAL

4 4 Y

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Stop both containment spray pumps (1P14A, train A; 1P14B, train B) and place in AUTO-AFTER-STOP.

**STANDARD:** P-14A control switch is taken out of PULL-OUT and placed in auto after stop position. P-14B control switch taken to stop and then placed in auto after stop position.

**CUE:** 1P14A and 1P14B green light lit when control switch is turned to stop and then placed in AUTO-AFTER-STOP position. (or as shown on simulator)

NOTE: 1P-14A will be in PULL-OUT due to earlier procedural actions.

**COMMENTS:**

STEP/SEQUENCE/CRITICAL

5 5 Y

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Shut spray pump discharge valves (1SI-860A, B, C & D).

**STANDARD:** 1SI-860A, B, C & D turned to shut position and green indicating lights observed.

**CUE:** 1SI-860A, B, C & D green lights are lit (or as shown on simulator).

**COMMENTS:**

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PERFORMANCE INFORMATION

**NOTE:** *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

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STEP/SEQUENCE/CRITICAL

6          6          Y

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Ensure both spray additive tank discharge valve - SHUT (1SI-836A&B)

**STANDARD:** 1SI-836A&B checked shut by noting white lights out on the Unit 1 SI-Spray Active panel and/or noting close indication on controller.

**CUE:** 1SI-836A&B white indicating lights out and/or controller positions indicate close. (or as shown on simulator)

**COMMENTS:**

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STEP/SEQUENCE/CRITICAL

7          7          Y

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Ensure containment spray pump suction valves - OPEN.  
• 1SI-870A, train A  
• 1SI-870B, train B

**STANDARD:** 1SI-870A& B checked open by observing red light above switch for each valve. Recognizes 1SI-870A is not open.

**CUE:** 1SI-870B red light is lit. 1SI-870A green light is lit (or as shown on the simulator).

**COMMENTS:**

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PERFORMANCE INFORMATION

**NOTE:** *CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.*

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STEP/SEQUENCE/CRITICAL  
8 8 Y

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Open 1SI-870A (Containment Spray Pump RWST Suction).

**STANDARD:** 1SI-870A control switch on C01 taken to open position. Recognizes valve opened.

**CUE:** 1SI-870A red light is lit. (or as indicated on the simulator)

**COMMENTS:**

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STEP/SEQUENCE/CRITICAL  
9 9 N

SAT \_\_\_\_\_  
UNSAT \_\_\_\_\_

**ELEMENT:** Informs DSS/DOS that Step 14 of EOP-1 is complete.

**STANDARD:** Communicate completion of task.

**CUE:** This completes this JPM.

**COMMENTS:**

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**TERMINATION CUE:** This completes this JPM.

**COMPLETION TIME:** \_\_\_\_\_