

**V.C. SUMMER NUCLEAR STATION**

**NRC JOB PERFORMANCE MEASURE**

**JPSF-007**

**STEAM GENERATOR TUBE RUPTURE (Depressurize RCS to <  
Ruptured S/G Pressure) (NRC)**

**Revision No. 4**

**Faulted JPM**

*A/11*

STEAM GENERATOR TUBE RUPTURE (Depressurize RCS to < Ruptured S/G Pressure)  
(NRC)

TRAINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

EVALUATOR SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

EVALUATION METHOD:     PERFORM  
EVALUATION LOCATION:   SIMULATOR

ESTIMATED TIME:         10.0 MINUTES                    TIME STARTED: \_\_\_\_\_

10CFR55.45(a)6        PERFORM CONTROL MANIPULATIONS REQUIRED TO  
OBTAIN DESIRED OPERATING RESULTS DURING  
NORMAL, ABNORMAL, AND EMERGENCY SITUATIONS

TIME CRITICAL:   No                    FAULTED JPM:   Yes

TRAINEE PERFORMANCE:   SATISFACTORY \_\_\_\_\_   UNSATISFACTORY \_\_\_\_\_

**READ TO OPERATOR:**

WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE ACTIONS AS DIRECTED IN THE INITIATING CUES. I WILL DESCRIBE GENERAL CONDITIONS UNDER WHICH THIS TASK IS TO BE PERFORMED AND PROVIDE THE NECESSARY TOOLS WITH WHICH TO PERFORM THIS TASK. BEFORE STARTING, 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.

**INITIAL CONDITIONS:**

1. A Steam Generator Tube Rupture is in progress. S/G "C" has been isolated per EOP-4.0. An operator initiated cooldown has been performed according to EOP-4.0, through step 21.

**TOOLS AND EQUIPMENT NEEDED:**

NONE

**REFERENCED DOCUMENTS:**

1. EOP\*4.0                    STEAM GENERATOR TUBE RUPTURE

**REV DATE**

05/09/96

STEAM GENERATOR TUBE RUPTURE (Depressurize RCS to < Ruptured S/G Pressure)  
(NRC)

### TASK STANDARDS:

1. RCS pressure is reduced to less than ruptured S/G pressure with PZR level > 18% or PZR level > 68% or RCS subcooling < 30°F.

### INITIATING CUES:

1. Control Room Supervisor directs operator to depressurize the RCS, commencing with EOP-4.0, Step 22.

### TERMINATING CUES:

1. RCS depressurization stabilized by securing all flow from the PZR PORVs.

### SAFETY CONSIDERATIONS:

NONE

# JOB PERFORMANCE MEASURE CHECKLIST

(S) DENOTES SEQUENCED ELEMENT  
 (\*) DENOTES CRITICAL ELEMENT

## PERFORMANCE CHECKLIST:

SAT.   UNSAT.

NOTE 1: Give examinee 1-2 minutes to familiarize himself with his control board indications and his place in the procedure.

### STEP

### STANDARD

1. Depressurize the RCS using normal spray valves PCV-444C and 444D.

Determines all RCPs are secured and PZR spray is not available

\_\_\_\_\_

### STEP

### STANDARD

2. Verifies at 1 [REDACTED] is available.

Notes all three PZR PORVs are available

\_\_\_\_\_

NOTE 3: Examiner prompts student to depressurize using PCV-444B.

### STEP

### STANDARD

S\*3. Opens one PZR PORV until any termination criteria is met, RCS pressure <'C' (ruptured) S/G pressure and PZR level > 18%; or PZR level > 68; or RCS subcooling < 30°F

PCV-444B indicates red light ON, green light OFF. Recognizes from MCB indication that RCS pressure is less than 'C' S/G pressure with PZR level > 18% or PZR level > 68%.

\_\_\_\_\_

COMMENTS: \_\_\_\_\_

PCV 444B

↑

" %

< ?

NOTE 4: If RCS pressure continues to [REDACTED] red S/G pressure first and student [REDACTED] 68% PZR level, this would constitute failure.

### STEP

### STANDARD

S 4. Closes PCV-444B

Takes PCV-444B to the CLOSE position. Notes PCV-444B indicates red light ON, green light OFF, RCS pressure decreasing.

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# JOB PERFORMANCE MEASURE CHECKLIST

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(S) DENOTES SEQUENCED ELEMENT  
(\* ) DENOTES CRITICAL ELEMENT

## PERFORMANCE CHECKLIST:

SAT.    UNSAT.

### STEP

### STANDARD

S\*5    Stops RCS depressurization.

MVG-8000B indicates red light OFF, green light ON.

\_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

Examiner Stops JPM At This Point

TIME STOPPED: \_\_\_\_\_

## GENERAL COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## NRC KA REFERENCES:

KA NUMBER

000038.EA1.04

Ability to operate PZR spray to reduce coolant system pressure.

<u>IMPORTANCE</u>	<u>FACTOR</u>
<u>RO</u>	<u>SRO</u>
4.3	4.1