FINAL SUBMITTAL

TURKEY POINT RETAKE EXAM
50-250, 50-251/2001-301

MAY 4, 2001

FINAL ADMIN JPMS

JPM STUDENT IC SHEET

THE TASK YOU ARE TO PERFORM IS:

PERFORM REACTOR COOLANT SYSTEM LEAK RATE CALCULATION

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL
PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   UNIT 3 IS IN MODE 1 AND ALL PARAMETERS ARE STABLE.

2.   NO LOAD CHANGES ARE AUTHORIZED WHILE THIS SURVEILLANCE
     IS IN PROGRESS.

3.   CHEMISTRY HAS BEEN NOTIFIED TO TERMINATE RCS SAMPLING
     UNTIL THIS SURVEILLANCE HAS BEEN COMPLETED.

4.   THE NPS HAS GIVEN PERMISSION TO PERFORM THIS
     SURVEILLANCE.

5.   ERDADS IS AVAILABLE FOR USE.

6.   THE DDPS PRINTER IS NOT AVAILABLE FOR USE.

INITIATING CUE:

*YOU ARE THE UNIT 3 RCO AND THE NPS HAS DIRECTED YOU TO PERFORM
3-OSP-041.1, REACTOR COOLANT SYSTEM LEAK RATE CALCULATION,
SECTION 7.0, USING ERDADS.*

During the performance of this task, I will tell you which
steps to simulate or discuss. Explain each step BEFORE
you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer
them. During the test, I cannot answer questions. When you
complete all the steps correctly, you will pass this
Job Performance Measure.

Begin the task now.

F

JOB CLASSIFICATION: RCO

JPM TITLE: PERFORM REACTOR COOLANT SYSTEM LEAK RATE
                 CALCULATION

JPM NUMBER: 2119

JPM TYPE: ALTERNATE PATH

JPM REV. DATE: 05/03/01

KA: G.2.1.19 (3.0/3.0)

TIME VALIDATION: 15 MINUTES

THIS JPM SHALL BE PERFORMED ON THE SIMULATOR.

INSTRUCTOR'S INFORMATION

TASK STANDARDS:

1.   3-OSP-041.1, REACTOR COOLANT SYSTEM LEAKRATE
       CALCULATION, SECTION 7.1 COMPLETED THROUGH STEP 7.1.11

2.   IF ACCEPTANCE CRITERIA IS NOT MET, THE NPS WILL BE
       NOTIFIED IMMEDIATELY.

REQUIRED MATERIALS:

3-OSP-041.1, REACTOR COOLANT SYSTEM LEAKRATE CALCULATION

REFERENCES:

3-OSP-041.1, REACTOR COOLANT SYSTEM LEAKRATE CALCULATION

TERMINATING CUES:

THE RCS LEAK RATE HAS BEEN DETERMINED AND THE NPS HAS BEEN
NOTIFIED OF THE RESULTS.

READ TO THE APPLICANT

THE TASK YOU ARE TO PERFORM IS:

PERFORM REACTOR COOLANT SYSTEM LEAK RATE CALCULATION

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1. UNIT 3 IS IN MODE 1 AND ALL PARAMETERS ARE STABLE.

2. NO LOAD CHANGES ARE AUTHORIZED WHILE THIS SURVEILLANCE IS IN PROGRESS.

3. CHEMISTRY HAS BEEN NOTIFIED TO TERMINATE RCS SAMPLING UNTIL THIS SURVEILLANCE HAS BEEN COMPLETED.

4. THE NPS HAS GIVEN PERMISSION TO PERFORM THIS SURVEILLANCE.

5. ERDADS IS AVAILABLE FOR USE.

6. THE DDPS PRINTER IS NOT AVAILABLE FOR USE.

INITIATING CUE:

YOU ARE THE UNIT 3 RCO AND THE NPS HAS DIRECTED YOU TO PERFORM 3-OSP-041.1, REACTOR COOLANT SYSTEM LEAK RATE CALCULATION, SECTION 7.0, USING ERDADS.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer them. During the test, I cannot answer questions. When you complete all the steps correctly, you will pass this Job Performance Measure.

Begin the task now.

EVALUATOR'S NOTES:

BOOTH OPERATOR:

*   *Reset to IC-1.*

*   *If needed perform a manual makeup per Section 5.4 of 0-OP-046 to raise VCT level to approximately 30%.*

*   *Verify RCS Sample valves are closed (SV-3-6428, CV-3-956A, CV-3-956B).*

*   *Zero the boric acid and primary water totalizers.*

*   *Ensure a clean copy of 3-OSP-041.1 is in the procedure book.*

( ) ELEMENT: 1

OBTAIN COPY OF 3-OSP-041.1

STANDARDS:

__1.   OBTAINED COPY OF 3-OSP-041.1

__2.   VERIFIED CURRENT REVISION WITH NO OUTSTANDING OTSCS

EVALUATOR'S NOTES:

NOTE: When the candidate identifies the need to check for OTSCs, tell him this is the latest revision and there are no outstanding OTSCs.

( ) ELEMENT: 2

TERMINATE RCS SAMPLING

STANDARDS:

__1.   VERIFIED WITH CHEMISTRY THAT NO RCS SAMPLING WAS IN PROGRESS.
(Step 7.1.1)

__2.   VERIFIED RCS SAMPLE VALVES ARE CLOSED.
(Step 7.1.1)

EVALUATOR'S NOTES:

NOTE: Initial Conditions have already stated that Chemistry has been notified not to sample.

NOTE: Sample Valves verified with Chemistry or by observing valve status lights on VPB; SV-3-6428, CV-3-956A, CV-3-956B.)

Listed sample valves will display green light indication on VPB.

BOOTH OPERATOR CUE (AS CHEMISTRY):

Confirm that RCS Sample valves are closed and no RCS sampling will take place.

( ) ELEMENT: 3

VERIFY PROPER REACTOR COOLANT DRAIN TANK LEVEL

STANDARDS:

__1.   REQUESTED RCDT LEVEL FROM SNPO AND DIRECTED SNPO TO
       PUMP DOWN THE RCDT TO 15% TO 25% IF NEEDED.
       Step 7.1.2.1

EVALUATOR'S NOTES:

NOTE: This element is actually verification that the RCDT
      level is between 15% and 25%. No actual RCDT pump down
      will be required.

BOOTH OPERATOR CUE (AS SNPO):

    Report back RCDT level is 20%.

( ) ELEMENT: 3

( ) ELEMENT: 4

VERIFY PROPER CONTAINMENT SUMP LEVEL

STANDARDS:

__1.　VERIFIED CONTAINMENT SUMP LEVEL IS BETWEEN 100 GALLONS
　　　AND 125 GALLONS.
　　　Step 7.1.2.2

__2.　DIRECTED THE SNPO TO PUMP THE CONTAINMENT SUMP DOWN TO
　　　BETWEEN 100 AND 125 GALLONS.

__2.　CLOSED THE CONTAINMENT SUMP PUMP DISCHARGE VALVES,
　　　CV-2821 AND CV-2822.
　　　Step 7.1.3

EVALUATOR'S NOTES:

BOOTH OPERATOR CUE:

*As the SNPO, acknowledge the order to pump down the
Containment Sump. From the Waste Disposal-Liquids page, run
either Containment sump pump approximately 10 seconds and
report back that the containment sump has been pumped down.*

NOTE:　The Containment Sump recorder is on VPA. The initial
　　　　level will be 130 gallons. The Candidate will contact
　　　　the SNPO to pump down the Containment Sump.

NOTE:　The switches for the Containment Sump Pump discharge
　　　　valves are on VPB.

( ) ELEMENT: 5

INCREASE VCT LEVEL BETWEEN 20% AND 70%

STANDARDS:

__1.   VCT LEVEL CONTROLLER, LC-112, SET TO 70%.
       Step 7.1.4

__2.   VCT LEVEL VERIFIED BETWEEN 20% AND 70%.
       Step 7.1.5

EVALUATOR'S NOTES:

NOTE: The candidate will probably not raise VCT level from
       its initial value.

(C) ELEMENT: 6

COMMENCE LEAK RATE CALCULATION USING THE COMPUTER METHOD

STANDARDS:

__1.   RECORDED THE FOLLOWING DATA UNDER THE START COLUMN ON
ATTACHMENT 1:

        A.   START TIME   (DD HH MM)
        B.   RCDT LEVEL   (20% reported from SNPO)
        C.   PRIMARY WATER TOTALIZER   (Zero Gallons)
        D.   BORIC ACID TOTALIZER   (Zero Gallons)
        Step 7.1.6

EVALUATOR'S NOTES:

  *CUE: Instruct the candidate to perform a 5 minute leak rate
       calculation.*

  BOOTH OPERATOR:

While candidate is recording Start Data, initiate
approximately a 6 gallon per minute leak rate as follows:

SYS MAT/CVCS/VCT/LEAK TO HVAC PROCESS/VCT LEAK/SET TVBTLVCT
= 0.015.

  NOTE: If the candidate notices the RCS leakage by
            observing plant parameters, CUE as follows:

            *CUE: Continue the OSP. Another operator will
                  handle the changes in plant parameters.*

(C) ELEMENT: 7

RECORD STOP DATA

STANDARDS:

___1.   WAITED FIVE MINUTES BEFORE RECORDING STOP DATA IN
       ATTACHMENT 1.

___2.   RECORDED THE FOLLOWING DATA UNDER THE STOP COLUMN ON
       ATTACHMENT 1:
       A.   STOP TIME   (DD HH MM)
       B.   RCDT LEVEL   (20% reported from SNPO)
       C.   PRIMARY WATER TOTALIZER (As read Gallons)
       D.   BORIC ACID TOTALIZER   (As read Gallons)
       Step 7.1.7

EVALUATOR'S NOTES:

Booth Operator Cue: RCDT level is unchanged at 20%.

( ) ELEMENT: 8

REESTABLISH NORMAL CONTAINMENT SUMP SYSTEM ALIGNMENT

STANDARDS:

___1.   OPENED THE CONTAINMENT SUMP PUMP DISCHARGE VALVES,
       CV-2821 AND CV-2822.
       Step 7.1.8

EVALUATOR'S NOTES:

NOTE: If the candidate recognizes the RCS leakage, he may opt
       to not reopen the Containment Sump Pump Discharge
       Valves.

( ) ELEMENT: 9

REESTABLISH NORMAL VCT SYSTEM PARAMETERS

STANDARDS:

__1.   VCT LEVEL CONTROLLER, LC-112, SET TO 37%.
        Step 7.1.9

EVALUATOR'S NOTES:

NONE

(C) ELEMENT: 10

PERFORM A LEAK RATE CALCULATION USING ERDADS

STANDARDS:

__1.   CALCULATED THE TOTAL WATER CHARGED INTO THE RCS
       (Zero if no makeup occurred.)

__2.   DEPRESSED THE <LEAK RATE> KEY ON ERDADS *

__3.   INPUT THE FOLLOWING DATA INTO THE SCREEN FIELDS:

        __A. START DAY/HOUR/MINUTE   (Start of period)*
        __B. STOP DAY/HOUR/MINUTE   (5 minutes after Start)*
        __C. START RCDT LEVEL   (20%)
        __D. STOP RCDT LEVEL   (20%)
        __E. WATER CHARGED   (0)
        __F. WATER DRAINED   (0)
        __G. PRINT (Y/N)   (N)   (See CUE below.)
        __H. DENSITY CALC.

__4.   DEPRESSED THE <PRINT/ENTER> KEY.*

__5.   DEPRESSED THE ORANGE PRINT SCREEN KEY.*

__6.   RETRIEVED THE PRINTOUT FROM THE ERDADS PRINTER.
       Step 7.1.10

EVALUATOR'S NOTES:

NOTE: When the candidate is prompted by the computer
        regarding PRINT, CUE as follows:

CUE: *The DDPS printer is OOS per the Initial Conditions.*

NOTE: The Asterisk (*) marked Standards/inputs are critical
        for this element.

(C) ELEMENT: 11

EVALUATE RCS LEAK RATE

STANDARDS:

__1. RECORDED THE LEAK RATE DATA ON ATTACHMENT 1:

  __A. RATE OF SUMP INCREASE
  __B. GROSS LEAK RATE *
  __C. IDENTIFIED LEAK RATE
  __D. UNIDENTIFIED LEAK RATE *

__2. DETERMINED THAT RCS LEAK RATE EVALUATION IS REQUIRED.

__3. NOTIFIED THE NPS OF UNSATISFACTORY RESULTS.
     Step 7.1.11

EVALUATOR'S NOTES:

NOTE: *   Standards 1B and 1D are critical for this element.

Inform Candidate that the JPM has been completed

THE TASK YOU ARE TO PERFORM IS:

CALCULATE BORON ADDITION FOR MODE 5.

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   2 HOURS AGO UNIT 3 TRIPPED FROM HFP.

2.   ALL CONTROL RODS ARE FULLY INSERTED.

3.   CURRENT PLANT CONDITIONS ARE:

        TAVG = 547°F
        RCS BORON = 1020 PPM
        CORE BURNUP = 3,000 MWD/MTU

4.   IT IS NECESSARY TO COOLDOWN TO 100°F.

INITIATING CUE:

YOU ARE TO CALCULATE THE GALLONS OF BORIC ACID THAT MUST BE ADDED BEFORE COOLDOWN CAN BE COMMENCED.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer them. During the test, I cannot answer questions. When you complete all the steps correctly, you will pass this Job Performance Measure.

Begin the task now.

JOB CLASSIFICATION: RCO

JPM TITLE: CALCULATE BORON ADDITION

JPM NUMBER: 2125   JPM TYPE: NORMAL PATH

JPM REV. DATE: 05/03/01

KA: G.2.1.25 (2.8/3.1)

TIME VALIDATION: 15 MINUTES

_____

AN 'X' BELOW INDICATES THE APPLICABLE METHOD(S) OF TESTING WHICH MAY BE USED:

   PERFORM:__X__   SIMULATE:_____   DISCUSS:_____

INSTRUCTOR'S INFORMATION

TASK STANDARDS:

1.   BORON ACID ADDITION CALCULATED TO BE 4575 GALLONS
       (Allowable Range: 4875 to 4276 Gallons)

REQUIRED MATERIALS:

1.   PLANT CURVE BOOK
2.   3/4-GOP-305, HOT STANDBY TO COLD SHUTDOWN

REFERENCES:

1.   3/4-GOP-305, HOT STANDBY TO COLD SHUTDOWN
2.   CURVE BOOK SECTION 3 FIGURE 2, BORON CHANGE TABLES
3.   CURVE BOOK SECTION 3 FIGURE 5A, MINIMUM SHUTDOWN BORON
       AS A FUNCTION OF BURNUP
4.   0-OP-046, CVCS - BORON CONCENTRATION CONTROL

TERMINATING CUES:

BORON ADDITION HAS BEEN CALCULATED

READ TO THE APPLICANT

THE TASK YOU ARE TO PERFORM IS:

CALCULATE BORON ADDITION FOR MODE 5.

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1. 2 HOURS AGO UNIT 3 TRIPPED FROM HFP.

2. ALL CONTROL RODS ARE FULLY INSERTED.

3. CURRENT PLANT CONDITIONS ARE:

    TAVG = 547°F
    RCS BORON = 1020 PPM
    CORE BURNUP = 3,000 MWD/MTU

4. IT IS NECESSARY TO COOLDOWN TO 100°F.

INITIATING CUE:

YOU ARE TO CALCULATE THE GALLONS OF BORIC ACID THAT MUST BE ADDED BEFORE COOLDOWN CAN BE COMMENCED.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

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Begin the task now.

(C) ELEMENT: 1

DETERMINE BORON CONCENTRATION FOR MODE 5

STANDARDS:

__1.   DETERMINED REQUIRED BORON FOR MODE 5 TO BE 1420 PPM.

EVALUATOR'S NOTES:

This value may be determined from Section 3, Figures 5 or 5A.
If Figure 5 is used, Candidate should be able to read graph to
½ of 1 increment; i.e., 1445 TO 1395 ppm.

Candidate should use more conservative value for 0 MWD/MTU.

(C) ELEMENT: 2

DETERMINE AMOUNT OF BORON ADDITION NECESSARY TO INCREASE RCS
CONCENTRATION TO 1420 PPM.

STANDARDS:

__1.   DETERMINED 4575 GALLONS OF BORON ACID REQUIRED.

EVALUATOR'S NOTES:

This value may be determined from Curve Book Section 3 Figure
2 Page 1 of 11 or Pages 7 & 8 of 11.

NOTE: If Pages 7 & 8 are used, Page 7 will yield 4336 gallons
       and Page 8 will yield 239 gallons.

       4336 gallons + 239 gallons = 4575 gallons

The correct addition depends on the boron concentration
requirement determined in Element 1.

4875 gallons is the addition required for 1445 ppm.
4276 gallons is the addition required for 1395 ppm.

Inform Candidate that JPM has been completed

JPM STUDENT IC SHEET

THE TASK YOU ARE TO PERFORM IS:

DETERMINE CONTINGENCY ACTION(S).

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL
PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   UNIT 3 WAS SHUTDOWN 8 DAYS AGO.

2.   THE REACTOR VESSEL HEAD WAS PULLED EARLIER THIS SHIFT.

3.   REACTOR CAVITY FLOODING HAS NOT BEEN COMMENCED.

4.   LIS-3-6421, "REACTOR VESSEL DRAINDOWN LEVEL," AND LI-3-
        6422, "REACTOR VESSEL DRAINDOWN HOSE," INDICATORS HAVE
        JUST BEEN REPORTED INOPERABLE.

INITIATING CUE:

YOU ARE THE RCO AND THE NPS HAS DIRECTED YOU TO DETERMINE THE
CORRECT CONTINGENCY ACTION(S) PER 0-ADM-051, OUTAGE RISK
ASSESSMENT AND CONTROL.

During the performance of this task, I will tell you which
steps to simulate or discuss. Explain each step BEFORE
you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer
them. During the test, I cannot answer questions. When you
complete all the steps correctly, you will pass this
Job Performance Measure.

Begin the task now.

F

JOB CLASSIFICATION: RCO

JPM TITLE: PERFORM CONTINGENCY ACTIONS

JPM NUMBER: 2226   JPM TYPE: NORMAL PATH

JPM REV. DATE: 05/03/01

KA: G.2.2.26   (2.5/3.7)

TIME VALIDATION: 15 MINUTES

AN 'X' BELOW INDICATES THE APPLICABLE METHOD(S) OF
TESTING WHICH MAY BE USED:

  PERFORM:__X__   SIMULATE:_____   DISCUSS:_____

INSTRUCTOR'S INFORMATION

TASK STANDARDS:

CONTINGENCY ACTIONS CORRECTLY STATED

REQUIRED MATERIALS:

0-ADM-051, OUTAGE RISK ASSESSMENT AND CONTROL

REFERENCES:

0-ADM-051, OUTAGE RISK ASSESSMENT AND CONTROL

TERMINATING CUES:

CONTINGENCY ACTIONS HAVE BEEN STATED

READ TO THE APPLICANT

THE TASK YOU ARE TO PERFORM IS:

DETERMINE CONTINGENCY ACTION(S).

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   UNIT 3 WAS SHUTDOWN 8 DAYS AGO.

2.   THE REACTOR VESSEL HEAD WAS PULLED EARLIER THIS SHIFT.

3.   REACTOR CAVITY FLOODING HAS NOT BEEN COMMENCED.

4.   LIS-3-6421, "REACTOR VESSEL DRAINDOWN LEVEL," AND LI-3-6422, "REACTOR VESSEL DRAINDOWN HOSE," INDICATORS HAVE JUST BEEN REPORTED INOPERABLE.

INITIATING CUE:

YOU ARE THE RCO AND THE NPS HAS DIRECTED YOU TO DETERMINE THE CORRECT CONTINGENCY ACTION(S) PER 0-ADM-051, OUTAGE RISK ASSESSMENT AND CONTROL.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer them. During the test, I cannot answer questions. When you complete all the steps correctly, you will pass this Job Performance Measure.

Begin the task now.

( ) **ELEMENT: 1**

OBTAIN COPY OF 0-ADM-051

STANDARDS:

__1.   OBTAINED COPY OF 0-ADM-051

__2.   VERIFIED CURRENT REVISION WITH NO OUTSTANDING OTSCS

EVALUATOR'S NOTES:

None

(C) **ELEMENT: 2**

DETERMINE CORRECT PHASE

STANDARDS:

__1.   DETERMINED UNIT IS IN A PHASE 1 CONDITION

EVALUATOR'S NOTES:

Per step 4.11, Phase 1 is the first 240 hours following unit
shutdown.

(C) ELEMENT: 3

DETERMINE CORRECT ENCLOSURE

STANDARDS:

__1.   DETERMINED ENCLOSURE 3 IS CORRECT ENCLOSURE FOR PLANT
       CONDITIONS

EVALUATOR'S NOTES:

Already determined unit is in Phase 1. Per the initial
conditions, the loops are not available and temperature is
less than 200°F.

(C) ELEMENT: 4

DETERMINE IF UNIT MEETS REQUIRED EQUIPMENT

STANDARDS:

__1.   DETERMINED LESS THAN REQUIRED EQUIPMENT IS AVAILABLE

EVALUATOR'S NOTES:

O-ADM-051 bottom of page 61 (Enclosure 3 page 7 of 9).

Required equipment is two channels available, one with Control
Room readout.

**Have Applicant show where the operable channel is located in
the Control Room (LIS-3-6423 on VPB).**

(C) ELEMENT: 5

DETERMINE CONTINGENCY ACTIONS

STANDARDS:

__1.   DETERMINED RCS LEVEL MUST BE MAINTAINED HIGHER THAN
       THREE FEET BELOW THE VESSEL FLANGE.

__2.   DETERMINED RCS INVENTORY SHALL NOT BE REDUCED UNTIL TWO
       CHANNELS ARE AVAILABLE.

__3.   DETERMINED THE NEED TO INVESTIGATE THE POSSIBILITY OF
       VERIFYING REACTOR VESSEL LEVEL BY SOME OTHER MEANS.

EVALUATOR'S NOTES:

O-ADM-051 bottom of page 61 (Enclosure 3 page 7 of 9).

Inform Candidate that JPM has been completed

JPM STUDENT IC SHEET

THE TASK YOU ARE TO PERFORM IS:

READ A SURVEY MAP AND APPLY RWP REQUIREMENTS

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1. YOU ARE THE RCO.

2. THE INSIDE SNPO IS PREPARING TO PERFORM 4-OSP-050.2, "RESIDUAL HEAT REMOVAL SYSTEM INSERVICE TEST", FOR THE 4A RHR PUMP.

3. YOU ARE HOLDING A TAILBOARD WITH THE SNPO ABOUT RWP REQUIREMENTS AND ALARA CONCERNS.

4. THE ANPS HAS DIRECTED THE SNPO TO REMAIN IN THE 4A RHR PUMP ROOM WHILE THE PUMP IS RUNNING.

5. THE SNPO'S ONLY DUTIES WILL BE TO TAKE ONE SET OF VIBRATION READINGS ON THE PUMP AND MOTOR AND MONITOR THE PUMP WHILE IT IS RUNNING.

    OTHER ACTIVITIES OF THE OSP WILL BE PERFORMED BY ANOTHER OPERATOR.

6. THE ALARA REVIEW BOARD COMMITTEE HAS DETERMINED THAT THE MAXIMUM ALLOWABLE DOSE FOR THE PERFORMANCE OF THIS OSP IS 50 MREM.

F

INITIATING CUE:

USING THE PROVIDED SURVEY MAP AND SELECTED RWP, YOU ARE TO:

1.   SELECT THE CORRECT RWP.

2.   DESCRIBE THE DRESSOUT REQUIREMENTS.

3.   TELL THE SNPO THE LOCATION OF THE AREA HE SHOULD STAY
        IN AFTER HE HAS TAKEN HIS READINGS AND THE 4A RHR PUMP
        IS STILL RUNNING.

4.   INFORM THE SNPO OF ANY OTHER REQUIREMENT(S) FOR ENTRY
        INTO THE AREA AROUND THE 4A RHR PUMP AND MOTOR.

5.   INFORM THE SNPO OF THE MAXIMUM ALLOWABLE STAY TIME IN
        THE RHR PUMP ROOM ASSUMING:

        HE WILL SPEND 30 MINUTES WITHIN THE 4A RHR PUMP
        CONTAMINATION BOUNDARY (RECEIVING THE HIGHEST DOSE RATE
        WITHIN THAT BOUNDARY) AND THE REST OF HIS TIME IN THE
        WAITING AREA IN THE ROOM.

During the performance of this task, I will tell you which
steps to simulate or discuss. Explain each step BEFORE
you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer
them. During the test, I cannot answer questions. When you
complete all the steps correctly, you will pass this
Job Performance Measure.

Begin the task now.

JOB PERFORMANCE MEASURE WORKSHEET-JPM #G234NRCEXAM

JOB CLASSIFICATION: RCO

JPM TITLE: READ SURVEY MAP

JPM NUMBER: G234   JPM TYPE: NORMAL PATH

JPM REV. DATE: 05/03/01

KA: 2.3.4 (2.5/3.1)

TIME VALIDATION: 10 MINUTES

AN 'X' BELOW INDICATES THE APPLICABLE METHOD (S) OF
TESTING WHICH MAY BE USED:

PERFORM: __X__   SIMULATE: _____   DISCUSS:_____

INSTRUCTOR'S INFORMATION

TASK STANDARDS:

1.   DRESS OUT REQUIREMENTS PROPERLY STATED
2.   SNPO'S WAITING AREA PROPERLY STATED
3.   RWP SPECIAL REQUIREMENTS STATED

REQUIRED MATERIALS:

1.   RWP 2001-5 MARKED "TRAINING ONLY"
2.   RWP 2001-1 MARKED "TRAINING ONLY"
3.   RWP 2001-3 MARKED "TRAINING ONLY"
4.   RWP 2001-7 MARKED "TRAINING ONLY"
5.   SURVEY MAP OF UNIT 4 RESIDUAL HEAT REMOVAL EQUIPMENT
      MARKED "TRAINING ONLY"

REFERENCES:

1.   RADIATION WORK PERMIT 2001-5
2.   SURVEY MAP OF UNIT 4 RESIDUAL HEAT REMOVAL EQUPMENT

TERMINATING CUES:

CORRECT RWP SELECTED, DRESS OUT REQUIREMENTS STATED, WAITING
AREA STATED, RWP REQUIREMENTS STATED, STAY TIME DETERMINED

READ TO THE APPLICANT

THE TASK YOU ARE TO PERFORM IS:

READ A SURVEY MAP AND APPLY RWP REQUIREMENTS

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   YOU ARE THE RCO.

2.   THE INSIDE SNPO IS PREPARING TO PERFORM 4-OSP-050.2, "RESIDUAL HEAT REMOVAL SYSTEM INSERVICE TEST", FOR THE 4A RHR PUMP.

3.   YOU ARE HOLDING A TAILBOARD WITH THE SNPO ABOUT RWP REQUIREMENTS AND ALARA CONCERNS.

4.   THE ANPS HAS DIRECTED THE SNPO TO REMAIN IN THE 4A RHR PUMP ROOM WHILE THE PUMP IS RUNNING.

5.   THE SNPO'S ONLY DUTIES WILL BE TO TAKE ONE SET OF VIBRATION READINGS ON THE PUMP AND MOTOR AND MONITOR THE PUMP WHILE IT IS RUNNING.

        OTHER ACTIVITIES OF THE OSP WILL BE PERFORMED BY ANOTHER OPERATOR.

6.   THE ALARA REVIEW BOARD COMMITTEE HAS DETERMINED THAT THE MAXIMUM ALLOWABLE DOSE FOR THE PERFORMANCE OF THIS OSP IS 50 MREM.

JOB PERFORMANCE MEASURE WORKSHEET-JPM #G234NRCEXAM

INITIATING CUE:

USING THE PROVIDED SURVEY MAP AND SELECTED RWP, YOU ARE TO:

1.   SELECT THE CORRECT RWP.

2.   DESCRIBE THE DRESSOUT REQUIREMENTS.

3.   TELL THE SNPO THE LOCATION OF THE AREA HE SHOULD STAY
       IN AFTER HE HAS TAKEN HIS READINGS AND THE 4A RHR PUMP
       IS STILL RUNNING.

4.   INFORM THE SNPO OF ANY OTHER REQUIREMENT(S) FOR ENTRY
       INTO THE AREA AROUND THE 4A RHR PUMP AND MOTOR.

5.   INFORM THE SNPO OF THE MAXIMUM ALLOWABLE STAY TIME IN
       THE RHR PUMP ROOM ASSUMING:

       HE WILL SPEND 30 MINUTES WITHIN THE 4A RHR PUMP
       CONTAMINATION BOUNDARY (RECEIVING THE HIGHEST DOSE RATE
       WITHIN THAT BOUNDARY) AND THE REST OF HIS TIME IN THE
       WAITING AREA IN THE ROOM.

During the performance of this task, I will tell you which
steps to simulate or discuss. Explain each step BEFORE
you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer
them. During the test, I cannot answer questions. When you
complete all the steps correctly, you will pass this
Job Performance Measure.

Begin the task now.

EVALUATOR'S NOTE:

The order the Elements are performed is not critical.

(C) ELEMENT: 1

SELECT THE CORRECT RWP

STANDARDS:

__1.   FROM THE FOUR RWPS PRESENTED, CHOSE RWP 2001-5

EVALUATOR'S NOTES:

NOTE: Hand the Applicant the four RWPs and tell him to choose
       the correct one for this task.

(C) ELEMENT: 2

DETERMINE DRESS OUT REQUIREMENTS

STANDARDS:

__1.   DETERMINED THAT SNPO NEEDS:

MODESTY GARMENTS
CLOTH GLOVES
RUBBER GLOVES   *
CLOTH SHOE COVERS   *
RUBBER SHOE COVERS   *
CLOTH COVERALLS   *
CLOTH HOOD   *

EVALUATOR'S NOTES:

Per RWP Special Instructions 2) full protective clothing is required for entry into "HIGHLY CONTAMINATED AREA."

Candidate might state "full protective clothing" instead of listing items required. If so, ask what does "full protective clothing" mean?

*   Identifies minimum acceptable articles to be included in "full protective clothing".

(C) ELEMENT: 3

DETERMINE WAITING AREA

STANDARDS:

__1.   DETERMINED THAT SNPO SHOULD WAIT IN AREA MARKED ON
      EVALUATOR'S COPY OF SURVEY MAP

EVALUATOR'S NOTES:

This is marked "WAITING AREA" on Evaluator's survey map.

(C) ELEMENT: 4

DETERMINE OTHER RWP REQUIREMENTS FOR ENTRY INTO AREA AROUND
THE 4A RHR PUMP

STANDARDS:

__1.   DETERMINED HP MUST BE NOTIFIED BEFORE ENTRY INTO
      "HIGHLY CONTAMINATED AREA."

EVALUATOR'S NOTES:

Standard based on Special Instruction 9).

Might also warn SNPO to be aware of changing radiation fields
due to starting the RHR pump, but this is not critical.

(C) ELEMENT: 5

DETERMINE ALLOWABLE STAY TIME

STANDARDS:

__1. CALCULATED STAY TIME BASED ON ALARA REVIEW BOARD CRITERIA

EVALUATOR'S NOTES:

Stay Time calculated as follows:

> 30 minutes @ 70 mrem/hr = 35 mrem
> 15 mrem dose margin remaining in area with 5
> mrem/hr = 3 hours in waiting area.
>
> Total stay time allows 30 minutes within
> contamination boundary plus 3 hours in waiting
> area.

Inform Candidate that JPM has been completed

JPM STUDENT IC SHEET

THE TASK YOU ARE TO PERFORM IS:

PERFORM STATE WARNING POINT NOTIFICATION

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   UNIT 3 IS IN MODE 1.

2.   AN ALERT HAS BEEN DECLARED DUE TO RCS LEAKAGE GREATER THAN 50 GPM AND WITHIN AVAILABLE CHARGING PUMP CAPACITY.

3.   A FLORIDA NUCLEAR EMERGENCY NOTIFICATION FORM (0-EPIP-20101 ATTACHMENT 1) HAS BEEN FILLED OUT AND APPROVED BY THE NPS.

INITIATING CUE:

1.   YOU ARE THE COMMUNICATOR.

2.   THE NPS DIRECTS YOU TO USE THE PROVIDED MESSAGE FORM AND NOTIFY THE STATE WARNING POINT IN TALLAHASSEE OF THE ALERT.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer them. During the test, I cannot answer questions. When you complete all the steps correctly, you will pass this Job Performance Measure.

Begin the task now.

JOB PERFORMANCE MEASURE WORKSHEET-JPM #G2439NRCEXAM

JOB CLASSIFICATION: RCO

JPM TITLE: PERFORM STATE OF FLORIDA NOTIFICATION

JPM NUMBER: G2439   JPM TYPE: ALTERNATE PATH

JPM REV. DATE: 05/03/01

KA: G.2.4.39 (3.3/3.1)

TIME VALIDATION: 10 MINUTES

AN 'X' BELOW INDICATES THE APPLICABLE METHOD(S) OF
TESTING WHICH MAY BE USED:

   PERFORM:__X__   SIMULATE:_____   DISCUSS:_____

INSTRUCTOR'S INFORMATION

THIS JPM MAY ONLY BE PERFORMED ON THE SIMULATOR.

RESET TO AN IC IN MODE 1 AT APPROXIMATELY 50% POWER AND REMOVE
THE SIMULATOR FROM FREEZE.

TASK STANDARDS:

NOTIFICATION COMPLETED

REQUIRED MATERIALS:

1.   FILLED IN 0-EPIP-20101 ATTACHMENT 1
2.   EMERGENCY RESPONSE DIRECTORY

REFERENCES:

1.   0-EPIP-20101, DUTIES OF EMERGENCY COORDINATOR

TERMINATING CUES:

STATE OF FLORIDA NOTIFICATION HAS BEEN COMPLETED

READ TO THE APPLICANT

THE TASK YOU ARE TO PERFORM IS:

PERFORM STATE WARNING POINT NOTIFICATION

I WILL DESCRIBE THE GENERAL CONDITIONS FOR THE TASK YOU WILL PERFORM AND PROVIDE THE INITIATING CUES.

INITIAL CONDITIONS:

1.   UNIT 3 IS IN MODE 1.

2.   AN ALERT HAS BEEN DECLARED DUE TO RCS LEAKAGE GREATER THAN 50 GPM AND WITHIN AVAILABLE CHARGING PUMP CAPACITY.

3.   A FLORIDA NUCLEAR EMERGENCY NOTIFICATION FORM (0-EPIP-20101 ATTACHMENT 1) HAS BEEN FILLED OUT AND APPROVED BY THE NPS.

INITIATING CUE:

1.   YOU ARE THE COMMUNICATOR.

2.   THE NPS DIRECTS YOU TO USE THE PROVIDED MESSAGE FORM AND NOTIFY THE STATE WARNING POINT IN TALLAHASSEE OF THE ALERT.

During the performance of this task, I will tell you which steps to simulate or discuss. Explain each step BEFORE you do it. Do you understand my directions to you?

If you have any questions, ask them now and I will answer them. During the test, I cannot answer questions. When you complete all the steps correctly, you will pass this Job Performance Measure.

Begin the task now.

( ) ELEMENT: 1

REVIEWS THE PROVIDED FORM

STANDARDS:

__1.   FORM REVIEWED FOR COMPLETENESS.

EVALUATOR'S NOTES:

None

( ) ELEMENT: 2

LOCATES HOT RING DOWN TELEPHONE

STANDARDS:

__1.   LOCATED HOT RING DOWN PHONE

EVALUATOR'S NOTES:

All phones used are in the Watch Engineer's office.

( ) ELEMENT: 3

ATTEMPTS TO USE HOT RING DOWN PHONE TO CONTACT STATE WARNING POINT

STANDARDS:

__1.   LIFTED RECEIVER AND ATTEMPTED TO NOTIFY STATE WARNING POINT

EVALUATOR'S NOTES:

The Hot Ring Down Phone is dead!

( ) ELEMENT: 4

DETERMINES ALTERNATE METHOD TO CONTACT STATE WARNING POINT

STANDARDS:

__1.   REFERENCED EPIP-20101, STEP 5.4.1.7.c

__2.   REFERENCED EMERGENCY RESPONSE DIRECTORY (ERD) SECTION 1.0

__3.   DETERMINED ALTERNATE PHONE NUMBERS FOR STATE WARNING POINT; 850-413-9911 OR 850-413-9912

EVALUATOR'S NOTES:

The alternate phone numbers may be found in Section 1.0 of the ERD. They are also listed in Section 3 of the ERD (Page 3-1).

(C) ELEMENT: 5

NOTIFIES STATE WARNING POINT USING COMMERCIAL TELEPHONE

STANDARDS:

__1. DIALED 8-1-850-413-9911 (or 8-1-850-413-9912).

EVALUATOR'S NOTES:

Booth Operator is to role play State Warning Point.

(C) ELEMENT: 6

RELAYS INFORMATION TO STATE WARNING POINT

STANDARDS:

__1.* STATE NOTIFIED THIS IS AN ACTUAL EVENT

__2. STATE NOTIFIED OF TIME AND DATE CONTACT MADE, REPORTED BY (NAME OF CANDIDATE), MESSAGE NUMBER 001, AND FROM CONTROL ROOM

__3.* STATE NOTIFIED THAT SITE IS TURKEY POINT 3

__4.* STATE NOTIFIED THAT ACCIDENT CLASSIFICATION IS ALERT

__5.* STATE NOTIFIED OF DATE AND TIME OF EMERGENCY DECLARATION

__6.* STATE NOTIFIED OF REASON FOR EMERGENCY DECLARATION

__7. STATE NOTIFIED NO ADDITIONAL INFORMATION

__8. STATE NOTIFIED NO INJURIES REQUIRING OFFSITE SUPPORT

__9.* STATE NOTIFIED OF WEATHER DATA: WIND FROM 213°; SECTORS AFFECTED A, B, C, D

__10. STATE NOTIFIED OF RELEASE STATUS: NO RELEASE

__11.* STATE NOTIFIED NO PARS AT THIS TIME

__12. STATE NOTIFIED EVENT HAS NOT BEEN TERMINATED

__13. STATE NOTIFIED NO SUPPLEMENTAL FORM ATTACHED

__14. OBTAINED NAME OF STATE WARNING POINT AND FILLED IN ON FORM, ALONG WITH TIME AND DATE

EVALUATOR'S NOTES:

Booth Operator will role play State Warning Point. For name of State Warning Point (standard 14), provide *S. W. Point*.

*   Only items with asterisks (1, 3, 4, 5, 6, & 9, 11) are critical standards.

Inform Candidate that JPM has been completed