

NUCLEAR POWER GENERATION  
DIABLO CANYON POWER PLANT  
JOB PERFORMANCE MEASURE

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**Number:** ADMNRC-12SRO

**Title:** VERIFY AFD IS WITHIN TECH SPEC LIMITS

**Examinee:**

**Evaluator:**

Print

Signature

Date

**Results:** Sat                      Unsat                      Total Time:                      minutes

**Comments:**

**References:** STP I-1C, Routine Weekly Checks, Attachment 11.1, Rev. 65  
Volume 9B, Curves and Miscellaneous Data, Figure R23-1F-1,  
1/14/2000, Rev. 131  
Technical Specifications, DCPD Units 1 & 2  
COLR for DCPD Unit 1, Cycle 10, Rev. 0

**Alternate Path:** Yes                      No                      X

**Time Critical:** Yes                      No                      X

**Time Allotment:** 10 Minutes

**Critical Steps:** 2, 4, 5, 6, 7, 8, 9

**Job Designation:** SRO

**Task Number:** G2.1.33

**Rating:** 4.0

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AUTHOR:                      DAVE BURNS                      DATE:                      2/6/2000

REVIEWED BY:                      N/A                      DATE:                      N/A  
JPM COORDINATOR

APPROVED BY:                      N/A                      DATE:                      N/A  
TRAINING LEADER

REV. 0

**Directions:** No plant controls or equipment are to be operated during the performance of this Job Performance Measure. All actions taken by the examinee should be clearly demonstrated and verbalized to the evaluator. The student will be given the initial conditions, initiating cue, and task standard. The examiner will then ask if any clarifications are needed. The examinee may be given the procedure and told the step with which to begin.

**Required Materials:** None

**Initial Conditions:** Unit 1 rapidly ramped down to due to a leak on the No. 2 Heater Drain Tank pump. Reactor power is currently stabilized at approximately 75%.

Current Axial Flux Difference(AFD) readings are as follows:

NI-41C	-21.0%
NI-42C	-23.0%
NI-43C	-23.0%
NI-44C	-21.0%

PK03-25 P250 RX ALM AXIAL FLUX/ROD POS input 1251 activated

Indicated Reactor Power based on U1169A05 75.2%

U4300A05 is not available.

PPC MAX is 100.2%

**Initiating Cue:** Unit 1 BOPCO has just completed STP I-1C, Routine Weekly Checks, Attachment 11.1, Step 1.

BOPCO has determined that the AFD for two (2) excore channels are not within the AFD limits.

Review the completed STP Data sheet and determine if his assessment is correct and implement any actions needed based on your review.

**Task Standard:** STP I-1C, Routine Weekly Checks, Attachment 11.1, Step 1. reviewed for completeness and any actions implemented based on your review.

**Start Time:**

**Step**

**Expected Operator Actions**

1. Operator obtains correct procedure.

1.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator obtains STP I-1C, Attachment  
11.1.

\*\*\*\*\*

**Cue: Provide candidate with exam copy  
of STP-I-1C, Attachment 11.1.**

\*\*\*\*\*

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

1.2 2. \*\*Verifies present Reactor  
Power.

---

2.1

---

References Note 1 for determination of  
reactor power.

---

2.2 Uses U1169A05 value (75.2)/ PPC  
Max (100.2) x 100.

---

2.3 Verifies RTP% to be 75%

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

2.4 3. Operator obtains correct  
procedure.

---

3.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator obtains Figure R23-1F-1 for Unit 1  
from Volume 9.

\*\*\*\*\*

**Cue: Provide candidate with exam copy  
of Figure R23-1F-1.**

\*\*\*\*\*

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

3.2

---

3.3

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

4. \*\*Verifies Upper AFD Limit.

---

4.1

---

References R23-1F-1

---

4.2 Determines Upper AFD Limit to be  
+17.5%.

---

4.3 Verifies +17.5% recorded for Upper  
AFD Limit.

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

4.4 5. \*\*Verifies Lower AFD  
Limit.

---

5.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

References R23-1F-1

---

5.2 Determines Lower AFD Limit to be  
-22%.

---

5.3 Verifies -22% recorded for Lower  
AFD Limit.

---

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_ \***

---

5.4 6. \*\*Verifies indicated AFD  
values

---

6.1

---

Verifies indicated AFD values recorded for  
each NI.

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_ \***

---

6.2 7. \*\*Verifies AFD is Within  
limits.

---

7.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Verifies that AFD is within limits for NIs  
41C and 44C and boxes marked.

---

7.2 Verifies that AFD is outside the limits  
for NIs 42C and 43C and boxes  
marked.

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_ \***

---

7.3 8. \*\*Verifies that 2 excore  
channels exceed AFD Limit.

---

8.1

---

Verifies BOPCO notes that AFD limit is  
currently being exceeded.

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_ \***

---

8.2

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.



---

9. **\*\*Determines** AFD exceeds Tech Spec Limits.

---

9.1

---

Refers to Tech Spec 3.2.1.

---

9.2 Refers to Unit 1 COLR 1-10

---

**Note: Figure R23-1F-1 provides same information as COLR 1-10 and may be used.**

---

9.3 Determines AFD is outside limits specified in the COLR.

---

9.4 Determines actions to be either to return AFD within limits within 15 minutes, or reduce thermal power to less than 50% within 30 minutes.

---

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

9.5

**Stop Time:**

**Total Time:** (Enter total time on the cover page)

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

Initial Conditions: Unit 1 rapidly ramped down to due to a leak on the No. 2 Heater Drain Tank pump. Reactor power is currently stabilized at approximately 75%.

Current Axial Flux Difference(AFD) readings are as follows:

NI-41C -21.0%

NI-42C -23.0%

NI-43C -23.0%

NI-44C -21.0%

PK03-25 P250 RX ALM AXIAL FLUX/ROD POS input 1251 activated

Indicated Reactor Power based on U1169A05 75.2%

U4300A05 is not available.

PPC MAX is 100.2%

Initiating Cue: Unit 1 BOPCO has just completed STP I-1C, Routine Weekly Checks, Attachment 11.1, Step 1.

BOPCO has determined that the AFD for two (2) excore channels are not within the AFD limits.

Review the completed STP Data sheet and determine if his assessment is correct and implement any actions needed based on your review.

Task Standard: STP I-1C, Routine Weekly Checks, Attachment 11.1, Step 1. reviewed for completeness and any actions implemented based on your review.

NUCLEAR POWER GENERATION  
DIABLO CANYON POWER PLANT  
JOB PERFORMANCE MEASURE

---

**Number:** ADMNRC-13

**Title:** PERFORM SEALED VALVE CHECKLIST

**Examinee:**

**Evaluator:**

Print

Signature

Date

**Results:** Sat                  Unsat                  Total Time:                  minutes

**Comments:**                  **Perform while in RCA**

**References:** OP K-10A1, CVCS Sealed Valve Checklist (Boric Acid Supply from Boric Acid Storage Tank to Blender Room), Attachment 9.2, Rev. 9

**Alternate Path:** Yes          No

**Time Critical:** Yes                  No                    

**Time Allotment:** 15 Minutes

**Critical Steps:** 3, 4, 5, 6, 7, 8, 9

**Job Designation:** RO/SRO

**Task Number:** G2.1.29

**Rating:** 3.4/3.3

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AUTHOR:                                  DAVE BURNS                                  DATE:                                  2/16/2000

REVIEWED BY:                                  N/A                                  DATE:                                  N/A

JPM COORDINATOR

APPROVED BY:                                  N/A                                  DATE:                                  N/A

TRAINING LEADER

REV. 0



- Directions:** No plant controls or equipment are to be operated during the performance of this Job Performance Measure. All actions taken by the examinee should be clearly demonstrated and verbalized to the evaluator. The student will be given the initial conditions, initiating cue, and task standard. The examiner will then ask if any clarifications are needed. The examinee may be given the procedure and told the step with which to begin.
- Required Materials:** None
- Initial Conditions:** Unit 1 was shutdown 5 days ago to repair an MSIV. Unit 1 currently is in Mode 5. OP L-0, Mode 5 to 4 Transition Checklist is in progress.
- All Unit 1 systems remained "controlled" during the MSIV repairs. No seals were removed from any systems during the mini-outage.
- Initiating Cue:** Unit 1 Shift Foreman directs you to perform the Independent Verification steps for OP K-10A1, CVCS Sealed Valve Checklist, Attachment 9.2 - Sealed Valve Check List for Boric Acid Supply NORMAL.
- Task Standard:** Independent Verification of Attachment 9.2 - Sealed Valve Check List for Boric Acid Supply NORMAL is completed and Shift Foreman informed.

**Start Time:**

**Step**

**Expected Operator Actions**

---

1. Operator obtains correct procedure.

---

1.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator obtains OP K-10A1 Attachment  
9.2

---

**Note: Provide candidate with exam  
copy of OP K-10A1**

---

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

1.2 2. Operator reviews procedure.

---

2.1

---

Operator reviews OP K-10A1 Attachment  
9.2

---

\*\*\*\*\*

**Cue: Start with step A.6**

\*\*\*\*\*

---

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

2.2 3. \*\* Verifies position of BA  
Xfer Pp 1-2 suction valve.

---

3.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator locates CVCS-1-8463A

---

3.2 Operator verifies valve is open and  
seal is installed.

\*\*\*\*\*

**Cue: Valve is open and seal is installed.**

\*\*\*\*\*

---

3.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

3.4

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.



---

4. \*\* Verifies position of BA Xfer Pp 1-1  
suction valve.

---

4.1

---

Operator locates CVCS-1-8463B

---

4.2 Operator verifies valve is open and  
seal is installed.

\*\*\*\*\*

**Cue: Valve is open and seal is installed.**

\*\*\*\*\*

---

4.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

4.4 5. \*\* Verifies position of BA  
Xfer Pp 1-2 discharge valve.

---

5.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator locates CVCS-1-8460A

---

5.2 Operator verifies valve is open and seal is installed.

\*\*\*\*\*

**Cue: Valve is open and seal is installed.**

\*\*\*\*\*

---

5.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

5.4 6. \*\* Verifies position of BA  
Xfer Pp 1-2 filter bypass valve.

---

6.1

---

Operator locates CVCS-1-8458A

---

6.2 Operator verifies valve is open and seal is installed.

\*\*\*\*\*

**Cue: Valve is closed and seal is installed.**

\*\*\*\*\*

---

6.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

6.4

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

7. \*\* Verifies position of BA Xfer Pp 1-1  
filter bypass valve.

---

7.1

---

Operator locates CVCS-1-8458B

---

7.2 Operator verifies valve is open and  
seal is installed.

\*\*\*\*\*

**Cue: Valve is closed and seal is installed.**

\*\*\*\*\*

---

7.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

7.4 8. \*\* Verifies position of BA  
Xfer Pp Recirc BA Stg Tk 1-2

---

8.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator locates CVCS-1-8459A

---

8.2 Operator verifies valve is open and  
seal is installed.

\*\*\*\*\*

**Cue: Valve is open and seal is installed.**

\*\*\*\*\*

---

8.3 Operator initials checklist

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

8.4

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

9. \*\* Verifies position of BA Xfer Pp  
Recirc BA Stg Tk 1-1

---

9.1

---

Operator locates CVCS-1-8459B

---

9.2 Operator verifies valve is open and  
seal is installed.

\*\*\*\*\*  
**Cue: Valve is open and seal is MISSING**  
\*\*\*\*\*

---

9.3 Operator contacts Unit 1 SFM.

\*\*\*\*\*  
**Cue: Inform candidate that the SFM  
directs him to obtain a new seal  
and reseal the valve.**  
\*\*\*\*\*

---

9.4 Operator locates sealing device at  
Auxiliary Control Board.

---

**Note: Once seal is located at the  
auxiliary control board, leave seal  
at auxiliary control board.**

---

---

9.5 Operator returns to CVCS-1-8459B  
and installs seal

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

---

9.6 10. Operator completes Sealed  
Valve checklist.

---

---

10.1

---

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

Operator prints name in appropriate location.

---

10.2 Operator signs attach. on sig. line.

---

10.3 Operator initials attach. on init line.

---

10.4 Operator inputs date and time.

**Step was: Sat:** \_\_\_\_\_ **Unsat** \_\_\_\_\_ \*

---

10.5

**Stop Time:**  
page)

**Total Time:**

(Enter total time on the cover

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

**Initial Conditions:** Unit 1 was shutdown 5 days ago to repair an MSIV. Unit 1 currently is in Mode 5. OP L-0, Mode 5 to 4 Transition Checklist is in progress.

**Initiating Cue:** All Unit 1 systems remained "controlled" during the MSIV repairs. No seals were removed from any systems during the mini-outage. Unit 1 Shift Foreman directs you to perform the Independent Verification steps for OP K-10A1, CVCS Sealed Valve Checklist, Attachment 9.2 - Sealed Valve Check List for Boric Acid Supply NORMAL.

**Task Standard:** Independent Verification of Attachment 9.2 - Sealed Valve Check List for Boric Acid Supply NORMAL is completed and Shift Foreman informed.

**Number:** ADMNRC-14SRO

**Title:** REVIEW AP-5 BISTABLE TRIP AUTHORIZATION FORM

**Examinee:**

**Evaluator:**

Print

Signature

Date

**Results:** Sat      Unsat      Total Time:      minutes

**Comments:**

**References:** OP AP-5, Malfunction of Protection or Control Channel, Attachments  
4.1 & 4.2, Rev. 15

Technical Specifications, DCPD Units 1 & 2

**Alternate Path:** Yes    X    No

**Time Critical:** Yes      No      X

**Time Allotment:** 15 Minutes

**Critical Steps:** 2

**Job Designation:** SRO

**Task Number:** G2.2.20

**Rating:** 3.3



- Directions:** No plant controls or equipment are to be operated during the performance of this Job Performance Measure. All actions taken by the examinee should be clearly demonstrated and verbalized to the evaluator. The student will be given the initial conditions, initiating cue, and task standard. The examiner will then ask if any clarifications are needed. The examinee may be given the procedure and told the step with which to begin.
- Required Materials:** None
- Initial Conditions:** Unit 1 is at 100% power. Pressurizer Pressure Transmitter PT-456 has failed low. All AP-5 operator actions have been completed. Shift Foreman has completed AP -5, Attachment 4.2, Bistable Trip Authorization form for the failed transmitter.
- Initiating Cue:** As the Shift Supervisor, perform a review of the information on the completed Bistable Trip Authorization form.
- Task Standard:** Review completed and three (3) technical errors identified.

Start Time:

Step	<u>Expected Operator Actions</u>
	1. Obtain the correct reference material.

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

\*\*\*\*\*

**Cue: Provide Operator with completed  
AP-5 Attachment 4.2**

\*\*\*\*\*

1.1 Operator obtains OP AP-5

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

1.2 2. \*\*Operator identifies AP-5,  
Attachment 4.2 errors.

2.1

**Stop Time:**

**Total Time:** (Enter total time on the cover page)

Identifies PC-456A required status should  
be tripped.

2.2 Identifies PC-456B is not needed.

2.3 Identifies PC-455D is missing and  
adds to form.

**Step was: Sat: \_\_\_\_\_ Unsat \_\_\_\_\_\***

2.4

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

**Initial Conditions:** Unit 1 is at 100% power. Pressurizer Pressure Transmitter PT-456 has failed low. All AP-5 operator actions have been completed. Shift Foreman has completed AP -5, Attachment 4.2, Bistable Trip Authorization form for the failed transmitter.

**Initiating Cue:** As the Shift Supervisor, perform a review of the information on the completed Bistable Trip Authorization form.

**Task Standard:** Review completed and three (3) technical errors identified.

Nuclear Power Generation  
Diablo Canyon Power Plant  
Job Performance Measure

---

**Number:** ADMNRC-17SRO

**Title:** PERFORM AN OFF-SITE DOSE ASSESSMENT - GDT RUPTURE

**Examinee:**

**Evaluator:**

Print

Signature

Date

**Results:** Sat      Unsat      Total Time:      minutes

**Comments:**

**References:** EP G-1, Emergency Classification and Emergency Plan Activation,  
Rev. 28

EP R-2, Release of Airborne Radioactive Materials Initial Assessment,  
Attachments 10.1 & 10.2, Rev. 19C

**Alternate Path:** Yes    X    No

**Time Critical:** Yes      No      X

**Time Allotment:** 15 minutes

**Critical Steps:** 2, 3, 5

**Job Designation:** SRO

**Task Number:** G2.4.41

**Rating:** 4.1

---

AUTHOR:      DAVE BURNS      DATE:      2/6/2000

REVIEWED BY:      N/A      DATE:      N/A  
JPM COORDINATOR

APPROVED BY:      N/A      DATE:      N/A  
TRAINING LEADER

REV. 0

**Directions:** No plant controls or equipment are to be operated during the performance of this Job Performance Measure. All actions taken by the examinee should be clearly demonstrated and verbalized to the evaluator. The student will be given the initial conditions, initiating cue, and task standard. The examiner will then ask if any clarifications are needed. After identifying the appropriate procedure for the task, the examinee may be given the procedure and told the step with which to begin.

**Required Materials:** Calculator

**Initial Conditions:** Both units are at 100% power, MOL, equilibrium conditions. Gas decay tank 11 rupture disk failed and the relief valve will not reseal.

The following plant conditions exist:

Plant Vent Flow Rate on FR-12 is  $23 \times 10^4$  CFM

RE14/14R and 87 are overranged

RE-29 is reading 4.0 mR/hr

No MET Tower data is available

**Initiating Cue:** The Shift Supervisor directs you to perform a dose assessment and recommend an emergency classification based on your dose assessment. The PPC program for R-2 calculations is unavailable.

**Task Standard:** Dose assessed and a recommendation made for the emergency classification.

Start Time:

Step	<u>Expected Operator Actions</u>
	1. Obtain the correct procedure.
	1.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

References EP R-2

---

**Note: Provide candidate exam copy of Attachment 10.1 and 10.2 from EP-R2.**

---

**Step was: Sat: \_\_\_\_\_ Unsat: \_\_\_\_\_\***

---

1.2 2. Calculate the plant vent release.

---

2.1

---

References Attachment 10.1, page 1, of EP R-2.

---

2.2 Fills out section 1.

---

2.3 Determines plant vent flow rate from FR-12 chart recorder is 230000 CFM

2.4 Determines RE-14/14R/87 reading from the radiation monitors.

\*\*\*\*\*

**Cue: RE-14/14R/87 are reading overranged.**

\*\*\*\*\*

2.5 Determines RE-29 reading is 4.0 mR/hr

2.6 Determines Noble Gas Release Rate to be 4.3 Ci/sec.

2.7 Determines Total Effluent Conversion Factor is RCS from Page 3 of Attach.10.1.

2.8 Determines Total Effluent Release Rate is 4.3 Ci/Sec.

**Step was: Sat: \_\_\_\_\_ Unsat: \_\_\_\_\_\***

---

2.9

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.



---

3. \*\* Perform dose calculations.

---

3.1

---

References Attach. 10.2 of EP R-2.

---

3.2 Fills out section 1

---

3.3 Obtains met data from PPC.

\*\*\*\*\*

**Cue: Inputs to the PPC from the  
primary and backup met towers  
are bad quality.**

\*\*\*\*\*

3.4 Determines X/Q from default value to  
be  $5.29 \text{ E-4 sec/m}^3$ .

3.5 Determines DCF to be RCS.

3.6 Calculates TEDE rate of 250 mR/hr  
( $\pm 20 \text{ mR/hr}$ ) and a total dose of 750  
mR ( $\pm 50 \text{ mR}$ ).

3.7 Determines thyroid CDE calculation  
to be N/A.

**Step was: Sat: \_\_\_\_\_ Unsat: \_\_\_\_\_\***

---

3.8 4. Obtain correct procedure.

---

4.1

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

---

References EP G-1.

---

**Step was:** Sat: \_\_\_\_\_ **Unsat:** \_\_\_\_\_\*

---

4.2 5. \*\* Recommend event  
classification.

---

5.1

**Stop Time: Total Time:**

---

Recommends event classification as a SITE  
AREA EMERGENCY (G-1,  
SAE #3)

---

**Step was:** Sat: \_\_\_\_\_ **Unsat:** \_\_\_\_\_\*

---

5.2

(Enter total time on the cover page)

\*Denotes an entry required on the JPM cover sheet.

\*\*Denotes a Critical Step.

**Initial Conditions:** Both units are at 100% power, MOL, equilibrium conditions. Gas decay tank 11 rupture disk failed and the relief valve will not reseal.

The following plant conditions exist:

Plant Vent Flow Rate on FR-12 is  $23 \times 10^4$  CFM

RE14/14R and 87 are overranged

RE-29 is reading 4.0 mR/hr

No MET Tower data is available

**Initiating Cue:** The Shift Supervisor directs you to perform a dose assessment and recommend an emergency classification based on your dose assessment. The PPC program for R-2 calculations is unavailable.

**Task Standard:** Dose assessed and a recommendation made for the emergency classification.

**CATEGORY:** A.3  
**TOPIC:** Exposure Limits  
**KA:** G2.3.4 (3.1)  
**Job Designation:** SRO

**Reference Allowed: YES**

**Reference:** RP10T, Obj. 2.1, Pg.5; RP1.ID6, Personnel Dose Limits and Monitoring Requirements, Step 7.3.5, Rev 5.

**QUESTION # 1:**

An Auxiliary Operator has a Total Effective Dose Equivalent exposure of 1.5 R for the current year.

How long can this operator stay in a radiation area which has just exceeded the limit to be posted as a **High High Radiation Area**, without exceeding the DCPD Administrative Guideline?

**ANSWER:**

30 Minutes ( $2000\text{mr} - 1500\text{mr} = 500\text{mr}$      $1000\text{mr/hr} / 500\text{mr} = 30 \text{ min}$ )

**Candidate's Response:**        **SAT** \_\_\_\_\_    **UNSAT** \_\_\_\_\_

**CATEGORY:** A.3  
**TOPIC:** Emergency Exposure Limits  
**KA:** G2.3.1 (3.0)  
**Job Designation:** SRO

**Reference Allowed: YES**

**Reference:** LEP 3, Rev. 1, Page 5; EP RB-2, Emergency Exposure Guides, Rev. 4B, Page 4

**QUESTION # 2:**

A Senior Control Operator was in Unit 1 Containment investigating a leak when a small break LOCA occurred.

Unit 1 SFM declared an Alert and the Technical Support Center has just been activated.

The Emergency Operations Facility has not been activated at this time.

The SCO is now trapped in Containment with radiation levels of 10 R/hr.

Who can authorize an emergency exposure to rescue the Senior Control Operator?

**ANSWER:**

Site Emergency Coordinator

**Candidate's Response:** SAT \_\_\_\_\_ UNSAT \_\_\_\_\_

**CATEGORY:** A.3

**QUESTION # 1:**

**References Allowed: YES**

An Auxiliary Operator has a Total Effective Dose Equivalent exposure of 1.5 R for the current year.

How long can this operator stay in a radiation area which has just exceeded the limit to be posted as a **High High Radiation Area**, without exceeding the DCPD Administrative Guideline?

**CATEGORY:** A.3

**QUESTION # 2:**

**References Allowed: YES**

A Senior Control Operator was in Unit 1 Containment investigating a leak when a small break LOCA occurred.

Unit 1 SFM declared an Alert and the Technical Support Center has just been activated.

The Emergency Operations Facility has not been activated at this time.

The SCO is now trapped in Containment with radiation levels of 10 R/hr.

Who can authorize an emergency exposure to rescue the Senior Control Operator?