



Hazardous Materials Technician Certification

Skill # 4.2 Radiation Monitoring: Canberra UltraRadiac Maximum Time Allowed: 15 min.

INSTRUCTIONS TO THE CANDIDATE

The Candidate, working as an individual and using a Canberra UltraRadiac radiological monitor, shall demonstrate the ability to operate, use, and perform testing of the equipment to identify and quantify an unknown solid, liquid or gas.

CANDIDATE PERFORMANCE

| | 1 st Attempt | | 2 nd Attempt | |
|---|-------------------------|--------------|-------------------------|----|
| | Yes | No | Yes | No |
| ◆ Candidate has informed the evaluator that they have been trained in this skill. | | | | |
| Open the battery compartment and install charged batteries in their appropriate position, close and lock the compartment door | | | | |
| Turn the unit on by pressing the "ON/OFF" key until "000" is displayed on the screen | | | | |
| If a "b" or blinking "BAT" appears in the top-left corner of the screen, turn off the unit and replace the batteries | | | | |
| ◆ Ensure the audio and visual alarms are enabled by noting "AUD" and "VIS" are listed under "ALARM" on the left side of the screen | | | | |
| Switch to the "DOSE" screen and zero the dose count by pressing and holding the "CLR/TEST" key while holding the "DOSE" key down | | | | |
| Switch to the "RATE" screen and observe and record the background rate. Insure the reading is slowly blinking, indicating the "RATE" Mode is active | | | | |
| ◆ Identify the level/units that are being displayed by the "RATE" screen (uR-microrems , mR-millirems, R-rems.) | | | | |
| ◆ Test the unit while in the "RATE" Mode by pressing and holding the "CLR/TEST" key to ensure proper operation. | | | | |
| <i>Evaluator will direct the candidate to determine the amount of time they may remain in the area (Stay Time) according to the readings currently available from the unit.</i> | | | | |
| ◆ Depress and hold the "ALARM" key and obtain the minutes the wearer may remain in the area of radiation at the current dose rate . A reading of "999" is the instruments maximum reading and indicates the wearer may remain in the area for 16.5 hours | | | | |
| <i>Evaluator will ask the candidate to identify the default alarm setting for "High Rate" and "High Dose".</i> | | | | |
| High Rate Alarm default is set at 2 R/hr | | | | |
| High Dose Alarm default is set at 10 R | | | | |
| ◆ Record the "DOSE", turn the unit off and remove the batteries | | | | |
| <i>Evaluator directs the candidate to properly shut down and clean the unit.</i> | | | | |
| Carefully cleans all external surfaces using a damp cloth (water only) | | | | |
| Carefully dries all external surfaces using a soft dry cloth | | | | |
| Inventories the containers contents and properly seals | | | | |
| Candidate must complete all steps to pass: | 13 | Total | | |

Candidates Name _____

1st Evaluator Signature _____ Date _____



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2nd Evaluator Signature _____ Date _____

Skill # 4.2 Radiation Monitoring: Canberra UltraRadic

Objective(s): 7.2.1.3.3(6), 7.2.1.3.4(15), 7.2.1.3.5(8), 7.2.1.3.6 NFPA 472 Standard 2008 Edition

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. When asked, the candidate must indicate that they have been instructed how to perform this skill. A negative answer is an immediate failure. No second attempt is allowed. This step doesn't count for the total number of steps the candidate must complete.
2. PPE should be a minimum of Structural Fire Fighting gear and SCBA.
3. Evaluator or support staff must prepare a sample source to be monitored.
4. The proctor must provide the candidate with the following items:
 - a. Canberra UltraRadic personal radiation monitor
 - b. Field level decon supplies

Proctor/Candidate Comments

I was informed of the task steps missed that resulted in the failure of this skill and the OSU-FST re-test policies.

Candidate Signature

Date