

**Aiken Technical College
Radiation Protection Technology Program**

Radiation Work Permit

(For Training Purposes Only—No Actual Hazards Exist)



Purpose: Perform radiation protection training tasks as directed in the Student Guide and as directed by the RPT Instructor.

RWP# : 201X-243

Rev: 0

Task # 1

Enter into the posted RCA in Room 509 to perform Practical Exercise 1.

Expected Radiological Conditions

General Area Dose Rates: <0.01 mrem/hr— 3.2 mrem/hr

Highest Contact Dose Rates: 25.5 mrem/hr

Contamination Levels: ($\beta\gamma$) <1000 dpm/LAS (α) - < 20 dpm/LAS

Airborne Radioactivity: ($\beta\gamma$) none detected (α) none detected

Dosimetry Requirements

EAD **Whole Body TLD** **Extremity TLDs:**

Multiple TLD Pack:

Other:

EAD Alarm Set Points:

Dose Alarm: **5 mrem**

Dose Rate Alarm: **25 mrem/hr**

Stay Time Alarm: **45 minutes**

RP Job Coverage

None Required **Full Coverage** **Part Time Coverage:**

Other:

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Protective Clothing Requirements

- None Required**
- Partials consisting of:**
- Full Set** **Cloth:** **Plastic:** **Paper:** **with extra: gloves**
- Double Set** **Cloth:** **Plastic:** **Paper:** **with extra:**
- Other:**

Respiratory Protection Requirements

- None Required**
- Full Face Negative Pressure Respirator** with: **Particulate** **Iodine** **Other:**
- Other:**

Contamination Control Requirements

- Bag everything removed from any contaminated area.**
- Secure all hoses and cords crossing the contaminated area boundary.**
- Maintain the step-off pad clean.**
- Perform a hand and foot frisk upon exiting the RCA Hallway.**

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RP Hold Points

- Any radiological alarm — CAM, ARM, EAD, etc.
- Prior to start of work
- Opening any contaminated system is not permitted on this task.
- Removal of anything from the contaminated area
- Entry into a posted High Radiation Area is not permitted on this task.
- Performing airborne causing activity is not permitted on this task.
- Other:

Stop Work Criteria

- Accumulated Dose higher than the set point
- Radiation, Contamination or Airborne levels higher than expected
- Posting for area is different than expected
- Other: Time Alarm is received at the control point.

Additional Requirements

- Conduct the practical exercise as directed in the PE Student Guide and as instructed in the pre-job briefing.