

Aiken Technical College
Radiation Protection Technology Program
Radiation Work Permit

(For Training Purposes Only—No Actual Hazards Exist)



General RWP Specific RWP

Purpose: RP Personnel only
 RP Planning Activities

RWP# : 201X-243
 Rev: 0

Task # 8

RP Planning Activities

Estimated Person-Hours	Effective Dose Rate	Estimated Person-Rem
40	15 mr/hr	0.600

Expected Radiological Conditions

General Area Dose Rates: 5—1600 mr/hr

Highest Contact Dose Rates: 25 R/hr

Contamination Levels: ($\beta\gamma$) <1000 - 10,000 dpm/100cm² (α) <20 dpm/100cm²

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: **50 mrem**

Dose Rate Alarm: **100 mrem/hr**

Stay Time Alarm: **60 minutes**

RP Job Coverage

None Required Full Coverage Part Time Coverage:

Other: Only RPT Students are permitted to use this RWP

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Protective Clothing Requirements

- None Required**
- Partials consisting of: shoe covers and 2 pair of vinyl gloves**
- Full Set** **Cloth:** **Plastic:** **Paper:** **with extra: gloves**
- Double Set** **Cloth:** **Plastic:** **Paper:** **with extra:**
- Other: PCs based on posted or anticipated conditions**

Respiratory Protection Requirements

- None Required**
- Full Face Negative Pressure Respirator with:** **Particulate** **Iodine** **Other:**
- Other: Respiratory protection may be required depending on the in-plant indications requiring investigation.**

Contamination Control Requirements

Remove all PC prior to exiting across a step-off pad
Perform a hand, face, and foot frisk upon leaving the posted RCA
Frisk all material which has been in a CA prior to removal from the posted RCA

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RP Hold Points

Dose rates cause an alarm on the EAD dose alarm
Opening any contaminated system is not permitted
Airborne or potential airborne radioactivity

Stop Work Criteria

Dose rates exceed 20 R/hr
Dose alarm on the EAD
Dose rate rate of increase indicates a rapidly escalating event
Excessive leakage of radioactive fluids

Additional Requirements

LHRA entries are permitted on this RWP after the entering personnel are briefed by an RP Supervisor on the specific area and the key for that area has been checked out..