

# JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

## ENVIRONMENT, HEALTH & SAFETY – RADIATION PROTECTION CALIBRATING AND REPAIRING METERS

TASK	HAZARDS	CONTROLS
1. Using alligator clips to hook up meters (Example: CPS meters) to a pulsed for calibration.	Electrical shock.	Wear latex gloves while hooking up meter to pulsed for insulation against shock.  Make sure both the meter and the pulsed are off while hooking up the meter to the pulsed and while disconnecting the alligator clips.  Do not touch the clips while the pulsed is on.  Hook up the positive wire to the positive contact and the negative wire to the negative contact.
2. Using soldering iron for electrical repair.	Burns from hot soldering iron or solder.	Make sure to replace the soldering iron onto its holder after each use.  Prepare a work space that allows for unobstructed access to the iron and holder.  Avoid contact with dripping solder.  Avoid contact with the tip of the soldering iron regardless whether or not the iron is hot.

		Fire hazard.	Never leave the hot iron unattended. Remove combustibles from the immediate work area.
		Chemical hazard from ingestion or inhalation.	Perform the soldering work in a well-ventilated area. Refer to the Material Data Safety Sheet for solder for any other precautions.
	<b>Required Training:</b> <ol style="list-style-type: none"> <li>1. Meter calibration training (with Radiation Safety staff)</li> <li>2. Meter Repair training from either Radiation Safety an outside vendor (example: Ludlum)</li> <li>3. Radiation Safety RAM User Training</li> </ol>	<b>Required Personal Protective Equipment (PPE):</b> Latex gloves	
<b>Other Information:</b> <b>Contributors:</b> <b>Created:</b> <b>JSA Library Number:</b>	Material Data Safety Sheet for solder Environment, Health and Safety June 2005 EHS-RAD-3		
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