

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

ENVIRONMENT, HEALTH & SAFETY – RADIOACTIVE WASTE DETERMINING THE CONTENTS OF THE DRUM AND PREPARING FOR A POTENTIAL SPILL

TASK	HAZARDS	CONTROLS
1. Examine the rim of the drum, lid, and sealing ring to be sure they will sit properly.	Pinch hand while handling parts.	Wear leather or similar gloves. Use care (don’t grab) while examining parts.
	Cuts or abrasions from burrs on metal parts.	Wear leather or similar gloves. Keep your hands open (don’t grab) while examining parts.
2. Place the lid on the drum, sit the ring, and tighten the bolt using a wrench.	Pinch hand while handling parts.	See 1a-1.
	Cut abrasions from burrs on metal parts.	Use care and wear leather or similar gloves.
	Abrasion or impact from tightening the bolt.	Position your body so the wrench can be easily turned.
3. Attach the ring clamp for hard to sit rings, and torque into place by turning the handle.	Impact and pinch while positioning the ring clamp.	See 1a-1. Hold the clamp so the components don't slip over the threaded shaft.
	Muscle strain from tightening the clamp.	Position your body so the clamp tightening handle can be easily turned.

	4. Secure and tighten the nut on the ring bolt using the pneumatic hammer drill.	Muscle strain from tightening the ring bolt.	Seat the pneumatic hammer drill properly on the nut. Position your body to stabilize the position of the hammer drill prior to pulling the trigger.
	Required Training: 1. Use of the ring clamp positioning and tightening clamp. 2. Hazards associated with drum contents.	Required Personal Protective Equipment (PPE): Leather or similar gloves, safety glasses, steel toed shoes	
Other Information: Contributors: Environment, Health and Safety Created: June 2005 JSA Library Number: EHS-2HM-2	For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 • http://www.ehs.berkeley.edu		