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JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

ENVIRONMENT, HEALTH & SAFETY

OPERATING A COMPACTOR

TASK	HAZARDS	CONTROLS
1. Move the empty drum in front of the compactor and insert the drum liner.	Muscle strain or foot injury.	See "Moving Drums by Hand" (JSA #16)
2. Push bin of dry waste to the compactor area.	Muscle strain.	Make sure the path to the compactor is clear. Look out for others working in the area.
	Tripping.	Make sure the path to the compactor is clear.
3. Transfer the debris bags from the bin to the drum.	Injuries due to sharp edges.	Wear heavy nitrite coated puncture resistant gloves. Position the bin as close as possible to eliminate dropped or spilled bags. Use grabber to lift bags from the bin. Examine each bag (clear) for sharp items.
	Muscle strain.	Do not extend too far over or into the bin to retrieve bags. Use both hands to lift bags with grabber.

		Exposure to chemicals.	<p>Make sure spill response supplies are available.</p> <p>Position bin as close as possible to eliminate dropped or spilled bags.</p> <p>Ensure compactor cabinet ventilation is functioning properly.</p> <p>Examine each bag for obvious signs of chemical release hazard.</p>
4.	Position the drum under the compactor ram.	Hand pinch or arm injury.	<p>Wear proper protective clothing.</p> <p>Ensure the compactor ram is fully retracted.</p>
		Muscle strains.	<p>Use proper lifting techniques.</p> <p>Use drum dolly if needed for heavier drums.</p>
5.	Close the compactor door.	Finger or hand pinch.	Wear proper protective clothing.
6.	Operate the pneumatic compactor controls.	Abrasions due to impact on shield housing.	Grab operating control arm with right hand to avoid impact of the corner of the housing. Ensure operating arm is fully extended.
		Flying debris during compaction.	Verify compactor door is latched before operating.
7.	Pull out the drum to add more debris.	Muscle strain.	Use a two wheeled hand truck to help slide the drum out.
8.	Steps 3-7 are repeated until the drum is full.	See tasks 3-7.	See tasks 3-7.
9.	Fold the drum liner into drum.	Hand and finger injuries.	<p>Wear heavy nitrite coated puncture resistant gloves.</p> <p>Use a tool handle or stick, do not use hands directly to push down on drum contents</p>
10.	Secure the lid on the drum.	Hand pinch.	See "Opening/Closing Drums" (JSA #14).
11.	Load the drum onto the dolly and move to staging area.	Muscle strain and foot injury.	See "Moving Drums by Dolly" (JSA #15).

	<p>Required Training:</p> <ol style="list-style-type: none"> 1. Familiarized with compactor operation (OJT) 2. Familiarized with this JSA and #14, 15 and 16 	<p>Required Personal Protective Equipment (PPE)</p> <p>steel-toed boots, lab coat or tyvek suit, safety glasses or goggles, face shield, cotton or leather gloves</p>
<p>Other Information: Contributors: Created: JSA Library Number:</p>	<p>Environment, Health & Safety June 2005 EHS-1HM-8</p> <p>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</p>	