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JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

ENVIRONMENT, HEALTH & SAFETY– RADIOACTIVE WASTE HANDLING LEAD WASTE

TASK	HAZARDS	CONTROLS
1. Load lead bricks, pigs, or sheets onto a cart, dolly, or hand truck.	Foot injury from dropping the lead.	Wear appropriate PPE. Stack the lead securely.
	Hand pinching.	Wear thick gloves over disposable gloves. Pick up the lead from the top while moving it.
	Muscle strain.	Move the lead using proper lifting techniques.
	Pb exposure from disturbing the surfaces during movement.	See 1a-1.
2. Wheel the cart/dolly/hand-truck to the area where bricks will be stored or monitored.	Foot injury from the loaded cart.	See 1a-1. Be careful to keep your feet out of the path of the cart.
	Muscle strain.	Move the cart/dolly/hand truck using proper body mechanics.
3. Unload the bricks from the cart.	Foot or hand injury from dropping the lead.	See 1a-1. See 1a-2.
	Hand pinching.	See 1b-1. See 1b-2.
	Muscle strain.	See 1c-1.

		Pb exposure from disturbing the surfaces during movement.	See 1a-1.
	4. Stacking lead in place.	Foot injury from dropping the lead.	See 1a-1. Pick up the lead from the bottom while moving it.
		Hand Pinching.	See 1b-1. See 1b-2.
		Muscle strain.	See 1a-1.
		Pb exposure from disturbing the surfaces during movement.	See 1a-1.
	5. Swipe and monitor lead for radioactive contamination.	Foot or hand injury from dropping the lead.	See 1a-1. See 4a-2.
		Hand pinching.	See 1a-1. See 1b-2.
		Muscle strain.	Move your body in such a way as not to cause strain. Carefully position lead for swiping and monitoring.
		Pb Exposure from disturbing the surface of the lead.	See 1a-1.
	6. Load lead onto the cart/dolly/hand-truck and return to storage.	Foot from dropping the lead.	See 1a-1. See 1a-2.
		Hand pinching.	See 1a-1. See 1b-2.
		Muscle strain.	See 1c-1.
		Pb Exposure from disturbing the surface during movement.	See 1a-1.
	7. Wheel cart to the lead storage area.	Foot injury from the loaded cart.	See 1a-1. See 2a-2.
Muscle strain.		See 2b-1.	

	8. Unload lead from the cart/dolly/hand truck and move it to the storage area.	Foot injury from dropping the lead.	See 1a-1. See 4a-2. See 1a-2.
		Hand pinching.	See 1a-1. See 1b-2.
		Muscle strain.	See 1c-1.
		Pb Exposure.	See 1a-1.
	Required Training: 1. Proper lifting techniques. 2. Cal/OSHA Lead awareness training. 3. Radiation Safety Training. 4. RP-20, "Handling and Disposal of Radioactive Waste."	Required Personal Protective Equipment (PPE): Disposable gloves, leather gloves, steel-toed shoes, safety glasses, respiratory protection	
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