

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

ENVIRONMENT, HEALTH & SAFETY – EMERGENCY RESPONSE

OPERATING THE GENERATOR IN THE EMERGENCY RESPONSE TRUCK

TASK	HAZARDS	CONTROLS
<p>1. Release retaining latch, slide generator out of compartment, check fuel level, and fill fuel tank if required.</p>	<p>Spillage of fuel and exposure to spilled fuel.</p>	<p>Use gloves when filling generator with fuel.</p> <p>If skin is exposed, wash the contaminated area immediately with soap and water. Dry before resuming work with the generator.</p> <p>If fuel is spilled to pavement or ground, clean up the spill and manage generated waste as appropriate.</p> <p>Refer to the JSA for managing hazardous waste at a spill site.</p> <p>Exercise care when filling up tank. Do not overfill and use a secondary container to catch any overfill.</p> <p>Avoid parking the truck in steep locations; the generator requires a level parking area.</p>
	<p>Flash fire and problems related to operating a portable energy source.</p>	<p>Operate the generator in an area free from ignition sources and wet conditions.</p> <p>Exercise caution. Make sure that the truck is in a clear area free from physical obstructions.</p>

	2. Open fuel valve, turn generator switch to on position, and pull start cord to start generator.	Strain or more serious injury on the arm and/or other body parts due to excessive pulling effort.	Make sure that the fuel valve and generator switch are on the "open" and "on" positions, respectively, before pulling the "start" cord.
		Strain or more serious injury on the arm and/or other body parts due to improper positioning of the body relative to the generator cord.	Make sure the body position relative to the "start" cord would allow for unrestrained motion to avoid strain or worse injury. Check to make sure that the truck is at a level position before operating generator.
	3. Plug equipment into outlet of running generator.	Electrical problems due to operation under wet conditions.	Operate generator away from the rain or moist conditions. Provide a wide canopy to keep rain away from the generator.
		Injury due to defective plug or cord of the equipment.	Inspect equipment to make sure that plug and cord are not defective; do not use if found defective. Find a replacement.
	4. Operate the equipment free from physical clutter and obstructions.	Tripping on extended equipment cord.	Post warning signs around the cord to avoid tripping. Provide barriers to prevent people from walking across and/or tripping on the extended cord.
		Electrical hazards leading to electrocution, burns, or shock.	Operate generator and equipment away from moisture and physical clutter or obstruction. Remove physical hazards that may be present near the generator and equipment. Do not use equipment plug or cord is defective. When finish using the equipment, shut it off, unplug properly, shut down the generator according to proper procedures; and move the equipment away, making sure that the cord is properly tucked to prevent tripping.

Other Information: Contributors: Created: JSA Library Number:	5. If a spill occurred, manage the hazardous waste properly. If permitted, transport to a secure collection location such as the Hazardous Materials Facility (HMF). If not permitted, request for transport to the HMF.	Various hazards accompanying removal of hazardous waste from a cleanup area.	Consult the appropriate JSA for management of hazardous waste generated from a spill cleanup if there was a spill.	
	Required Training: 1. Respiratory protection program of UC Berkeley; proper use and care of a respirator. 2. Procedures for cleanup of a hazardous material (fuel). 3. Proper operation of the ER truck generator and any equipment to be used.	Required Personal Protective Equipment (PPE) 1. Work clothes, such as cotton coveralls. 2. If spill of fuel occurred, safety glasses and appropriate gloves. 3. Work shoes (closed-toed); at optimum, steel-toed shoes.		
	See JSA for managing hazardous waste at a spill site Environment, Health & Safety June 2005 EHS-ER-10			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