# JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

## Environment, Health & Safety – Emergency Response

### Loading and Unloading the Emergency Response Truck

<table>
<thead>
<tr>
<th><strong>Task</strong></th>
<th><strong>Hazards</strong></th>
<th><strong>Controls</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Move the load inside the truck as close to the edge of the bed as possible to be ready for unloading.</td>
<td>Strain or more serious injury (such as back injury) because the load is too heavy.</td>
<td>Test the load first by nudging the item or container to estimate its weight and to determine if it is able to be moved alone. Seek assistance in moving the object or load. Slide the load across the track bed, do not lift and move. Move obstructions inside the truck to allow the load to slide across the truck bed.</td>
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<tr>
<td></td>
<td>Injury to the body due to undue extension when hopping onto truck bed to move object to be unloaded.</td>
<td>Use a step stool or step ladder to gain access to bed.</td>
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<tr>
<td></td>
<td>Injury to the foot or toes due to pinching or striking the edge of the container.</td>
<td>While sliding the load across the truck bed, make sure that body parts don't get bumped against the load. Take care not to lift the object from the floor even slightly to prevent the toes from being caught under the edge of the object being moved.</td>
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</tbody>
</table>
2. **Unload object or container by lifting slightly and carrying the load downward to the ground or a waiting mobile platform.**

- **Physical injury from too much weight being unloaded by one person.**
  - Stop unloading immediately; return the load to original position at the edge of the truck bed and summon help from a buddy.
  - If possible, use a forklift you know how to operate. If you have not been trained, summon someone who has been trained and is knowledgeable for assistance.

- **Bodily strain or greater injury due to heavy load or improper movement.**
  - Do not unload items or containers too heavy to be lifted by one person. Use a forklift or ask for help.

- **Physical injury due to container hitting body part while unloading.**
  - Keep all body parts from hitting load, make sure hands are away from pinch and abrasive points when unloading.
  - Use a forklift you know how to operate. If you have not been trained, summon someone who has been trained and is knowledgeable for assistance.

- **If load is set on a mobile platform, strain or injury due to unexpected movement of the platform.**
  - Before setting a load on a cart, make sure that the brakes have been applied in order to prevent the wheels from moving when a container or load is set down on it.

3. **Move load to designated final location.**

- **Strain or injury due to heavy load being moved or being unloaded from the carrier to the final location.**
  - Use a cart to move the object or container. Get help if necessary.
  - Use a forklift whenever possible.
<table>
<thead>
<tr>
<th>Required Training:</th>
<th>Required Personal Protective Equipment (PPE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Proper technique lifting and moving heavy objects.</td>
<td>1. If material is spilled, appropriate respiratory and body protection.</td>
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<tr>
<td>2. Proper procedures in cleaning released hazardous material and managing generated waste.</td>
<td>2. Body protection; at minimum, cotton coveralls.</td>
</tr>
<tr>
<td>3. UC Berkeley Respiratory program; proper use and care of respirator.</td>
<td>3. Steel-toed shoes and safety glasses, at a minimum.</td>
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</tbody>
</table>

Other Information:
See JSA for material spills
Environment, Health & Safety
June 2005
EHS-ER-11

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