



**UNC**  
ENVIRONMENT,  
HEALTH & SAFETY

# Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

**Recycling**

**JOB SAFETY ANALYSIS TOPIC:**

## Loading a Roll-off Container



Title	Work Task	Hazards	Controls
<b>Pre-Operation and Preparing for the Job</b>	<ol style="list-style-type: none"> <li>1. Pre-plan the work and assess the work area.</li> <li>2. Assess the vehicle and equipment for damaged parts</li> <li>3. Select the appropriate PPE needed to perform the job task.</li> </ol>	None	<ul style="list-style-type: none"> <li>• Administrative               <ul style="list-style-type: none"> <li>○ If equipment is damaged or broken, replace or have equipment repaired</li> </ul> </li> <li>• PPE               <ul style="list-style-type: none"> <li>○ Gloves</li> <li>○ Reflective Safety Vests</li> </ul> </li> </ul>
<b>Site Preparation/Backing up the Truck</b>	<ol style="list-style-type: none"> <li>4. Back up truck to container</li> <li>5. Using the hydraulic lever, fully raise the boom.</li> </ol>	<ul style="list-style-type: none"> <li>• Struck by and against (pedestrians, traffic, overhead wires)</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering               <ul style="list-style-type: none"> <li>○ If not already installed, use extended side mirrors to back up</li> <li>○ Engage emergency brake and put truck in neutral.</li> </ul> </li> <li>• Administrative               <ul style="list-style-type: none"> <li>○ Mark area with traffic cones</li> <li>○ Work with a spotter or traffic flaggers in areas of high traffic</li> <li>○ Use hand signals and drive with windows down to hear spotter</li> </ul> </li> <li>• PPE               <ul style="list-style-type: none"> <li>○ Same as above</li> </ul> </li> </ul>
<b>Lifting the Load</b>	<ol style="list-style-type: none"> <li>6. Attach winching cable to container</li> <li>7. Lift container onto the truck using the hydraulic lever.</li> <li>8. Lower the boom</li> </ol>	<ul style="list-style-type: none"> <li>• Struck by (winch cable, unstable truck)</li> <li>• Pinching</li> </ul>	<ul style="list-style-type: none"> <li>• Administrative               <ul style="list-style-type: none"> <li>○ Hook over not under whenever possible</li> <li>○ Ensure all persons are clear of moving parts</li> <li>○ Lower boom slowly so it is level with the container once the container is slightly lifted onto the truck for stabilization.</li> </ul> </li> </ul>
<b>Tarping Container</b>	<ol style="list-style-type: none"> <li>9. Level off contents in the container to prepare for tarping.</li> <li>10. Secure tarp with extra bungee cords (if applicable).</li> </ol>	<ul style="list-style-type: none"> <li>• Struck by (bungee cord)</li> </ul>	<ul style="list-style-type: none"> <li>• Administrative               <ul style="list-style-type: none"> <li>○ Use extra bungee cords</li> </ul> </li> <li>• PPE               <ul style="list-style-type: none"> <li>○ Same as above</li> </ul> </li> </ul>

			<ul style="list-style-type: none"> <li>○ Safety goggles if using bungee cords</li> </ul>	
<b>Driving Away</b>	<ol style="list-style-type: none"> <li>11. Drive away slowly and use mirrors to check load.</li> <li>12. Check load after 50 miles or within one hour if driving long distance</li> </ol>	<ul style="list-style-type: none"> <li>• Struck by (traffic)</li> </ul>	<ul style="list-style-type: none"> <li>• PPE <ul style="list-style-type: none"> <li>○ Same as above</li> </ul> </li> </ul>	
<b>Training</b>	<p>Employees must receive training on this JSA, CDL required trainings, and PPE Some trainings can be found on EHS website at <a href="https://ehs.unc.edu/training/self-study/">https://ehs.unc.edu/training/self-study/</a></p>	<p>Supervisor is responsible for ensuring the employee reviews the JSA and any EHS guidelines.</p>		
<b>Created</b>	<p>Taylor Moore, Industrial Hygienist, February 21, 2020</p>			
<b>Referenced Material</b>	<p>EHS Website; PennPRIME job safety analysis - Emptying a Roll Off Container</p>			
<b>Contact Info</b>	<p>For more information about this JSA and other JSAs, contact: <i>Department of Environment, Health and Safety</i> UNC-CH, 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507    <a href="https://ehs.unc.edu/">https://ehs.unc.edu/</a></p>			