



Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC:

Wheel Barrows



Title	Work Task	Hazards	Controls
Preplan the work	Gather Proper PPE for the job and inspect it (Safety Toe Shoes, Gloves) Determine what will be transported and determine safe load amount	Improper PPE inspection/selection	Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE
Before the job	Don necessary PPE Inspect Wheel Barrow	Improper Donning Improper Inspection	Improperly donning or not donning PPE can lead to an unnecessary exposure. Ensure all PPE is on correctly and passed inspection Improper inspection can keep an employee from noticing if the equipment is too dangerous to use and needs to be replaced or repaired. Flat tires can lead to ergonomic issues or dropping a load improperly in future work.

Title	Work Task	Hazards	Controls
Filling Wheel Barrow with Material	Use a hands or tools to place debris or necessary material in wheel barrow	Ergonomic Hazards	Ergonomic hazards include shoveling or carrying too much weight so employees should only shovel or move safe amounts of material based on their physical ability
Transporting Material with Wheel Barrow	Lift the wheel barrow using both hands on the handles and push Stay balanced and push the wheel barrow in the desired direction Stop at the desired work area	Ergonomic Hazards Crushing Hazard	Ergonomic hazards from transporting material can be mitigated by taking lighter loads and lifting with the legs to get the wheel barrow rolling. Avoid trying to catch the wheel barrow if it begins to tip, this will help keep hands and feet away from the heavy material and wheel barrow as it falls
Dumping Material with Wheel Barrow	Use both arms to help tip up the wheel barrow Walk backwards as the material is coming out to help with a smooth and consistent exit of material from the wheel barrow Continue to tip up as material comes out until the wheel barrow is empty	Ergonomic Hazards Crushing Hazard	Mitigate these ergonomic hazards by lifting legs and continue to take lighter loads Avoid trying to catch the wheel barrow if it begins to tip, this will help keep hands and feet away from the heavy material and wheel barrow as it falls
Clean Up	Clean the site to ensure area stays clean (bring out PPE and tools) Clean and store PPE properly	Improper storage	Have a cool dry area to store PPE and a safe area to store tools and equipment

Training	Employees must have hands on training in the proper use of this piece of equipment.	Supervisor is to fill out the turn in the form to UNC-CH 'Supervisor Led Training Form' and Environment, Health and Safety for documentation of proper training	
Created By	Cory Kirkland, Facilities Safety Officer		
Referenced Material	JHA on Rock Work by wilderness.net/safety		
Contact Info	<p>For more information about this JSA and other JSAs, contact: <i>UNC-CH Department of Environment, Health and Safety</i> 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507 ☎ http://ehs.unc.edu</p>		