



UNC
ENVIRONMENT,
HEALTH & SAFETY

Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC:

Wacker Neuson-Vibratory Rammer
Masonry Shop



Title	Work Task	Hazards	Controls
Preplan the work	Gather proper tools and equipment (Vibratory Rammer) Gather Proper PPE for the job and inspect it (hearing protection, safety glasses with side shields, gloves, steel toe, close fitting work clothes that do not hinder movement)	Improper/No Equipment Inspection Improper PPE inspection/selection	Improper/Lack of Inspection can lead to injury from faulty or old parts; proper inspection can lead to repair and replacement of dangerous equipment Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE
Before the job	Don necessary PPE Inspect the Vibratory Rammer machine. Make sure the machine is properly fueled.	Improper Donning Improper/No Equipment Inspection	Read and understand the operating instructions for the vibratory rammer. Familiarize yourself with the location and proper use of all controls and safety devices. Use 2 cycle oil and gasoline. Make sure to let machine cool for 2 minutes if refueling is necessary during a job.

	<p>Make sure work area is blocked and secured with safety cones and caution tape.</p>		<p>Try to safely secure at least 4ft around the work area.</p>
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<p>Operating the Vibratory Rammer</p>  	<p>To start the machine:</p> <ol style="list-style-type: none"> 1. Move the throttle to the IDLE position (turtle side). 2. Push the purge bulb 10 times. 3. Close the choke. 4. Pull the starter rope until engine starts. 5. Move the throttle to the FAST position (rabbit side). <p>Choke the machine</p> <p>Pull the start pulley to crank machine.</p> <p>Begin the job of compacting cohesive, mixed and granular soils in a confined space.</p> <p>Grab the handle proper to control machines movement.</p>	<p>Hand/Foot Injury</p> <p>Burns</p> <p>Asphyxiation Hazard</p> <p>Back Injury</p> <p>Noise</p>	<p>Use proper lift, move and carrying techniques when moving the Wacker Packer from the truck to work locations (takes 2 or 3 people see operators manual for instructions)</p> <p>Do not operate the machine in areas that contain flammable objects, fuels, or products that produce flammable vapors.</p> <p>Keep all labels legible on the machine.</p> <p>Do not operate machine if any safety devices or guards are missing or inoperative.</p> <p>Stand clear of the machine while it is running to avoid feet getting injured.</p> <p>Never operate the Vibratory Rammer on wet material or surface. Stop and dry the area.</p> <p>For optimal control, performance and minimal hand/arm vibration, grasp the handle with both hands.</p>

Stopping the Vibratory Rammer	<p>To stop the machine:</p> <ol style="list-style-type: none"> 1. Move the throttle past the slow position (the turtle side). 		
Clean Up	<p>Ensure the machine will not tip over, roll, slide or fall when not being operated.</p> <p>Store the machine properly and make sure the machine is clean, dry and out of the reach of untrained operators.</p>	<p>Improper Clean Up</p> <p>Improper Storage of Equipment/PPE</p>	<p>Seek assistance in lifting and transporting machine back to the shop area for storage.</p>
Training	<p>Employees must have hands on training in the proper use of this piece of equipment.</p> <p>Read the operators manual.</p>	<p>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</p>	
Created By	<p>Neah Tucker, Workplace Safety Officer</p> <p>Barry Kelly, Interim Masonry Supervisor</p>		
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