



UNC
ENVIRONMENT,
HEALTH & SAFETY

Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC:

Operating a Gas Powered Pressure Washer



Title	Work Task	Hazards	Controls
Preplan the work	<p>Gather proper tools (pressure washer)</p> <p>Inspect Pressure Washer to ensure everything is up to manufacturers recommendations and specifications</p> <p>Gather Proper PPE for the job and inspect it (safety glasses, gloves, Hearing Protection, Tyvek suit in certain situations)</p>	<p>Improper tools</p> <p>Improper/No Equipment Inspection</p> <p>Improper PPE inspection/selection</p>	<p>Using improper tools or parts can lead to ergonomic issues that can lead to injury</p> <p>Improper/Lack of Inspection can lead to injury from faulty or old parts; proper inspection can lead to repair and replacement of dangerous equipment</p> <p>Tag out broken down/dangerous equipment so no one else uses it</p> <p>Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE</p>
Before the job	<p>Don necessary PPE</p> <p>Ensure the unit is has fuel and is properly oiled to manufacturers specifications before started</p> <p>Hook up all hoses and test their connection</p>	<p>Improper Donning</p> <p>Skin or Eye Contact with fuel</p> <p>Fire</p>	<p>Improperly donning or not donning PPE can lead to an unnecessary exposure. Ensure all PPE is on correctly and passed inspection</p> <p>Wear appropriate PPE for any refueling or oiling; store fuel in a safe location</p>

	Check the site for electrical hazards		Do not add fuel to a hot engine and only fuel is appropriate locations
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Using the Pressure Washer	<p>Mark off area/Have spotter for pedestrians</p> <p>Start up the pressure washer</p> <p>Ensure the hose is pointed in a safe direction and test equipment to ensure it is working properly</p> <p>Perform job duties</p>	<p>Hand/Foot Injury</p> <p>Skin Intrusion/Laceration</p> <p>Eye Injury</p> <p>Burns</p> <p>Electrocution</p>	<p>Marking off the area or having a spotter will keep pedestrians away from the work area.</p> <p>Wear safety toe shoes and wear gloves. Keep hands away from the tip of the wand</p> <p>Keep PPE on during entirety of work</p> <p>Avoid contact with hot parts of engine</p> <p>During preplanning of work check the site for any electrical hazards</p>
Clean Up	<p>Clean the site to ensure campus stays clean (bring out PPE and tools)</p> <p>Clean and store PPE properly</p> <p>Store pressure washer and fuel in a safe location</p>	<p>Improper Clean Up</p> <p>Improper Storage of Equipment/PPE</p>	<p>Leaving material behind after a job can create more hazards ie trip hazards and non qualified users. Ensure materials are moved to their proper location back to the shop</p> <p>Have storage locations for fuel and PPE for quick access for the next job</p>

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	Andy Hayes, Paint Shop Supervisor Cory Kirkland, Facilities Safety Officer		
Referenced Material	Manufacturer Operations Manuals, OSHA Reports for incidents involving pressure washers		
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>		