



LAUSD-OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY

JOB SAFETY ANALYSIS OPERATING AN ANGLE GRINDER



General Precautions: Inspect equipment before each use. Do not wear loose clothing or jewelry.

Required Personal Protective Equipment (PPE)*

Face shield, hearing protection, work boots, gloves, long sleeve shirt, safety vest

Required Training

Safe use of equipment, PPE

*Additional training and PPE may be required depending on the scope of the activities to be performed with piece of equipment, including but not limited to eye and hand protection or electrical safety. All construction areas must be demarcated and barricaded.

TASK	HAZARDS	CONTROLS
1. Equipment inspection	Laceration Electrocution	Ensure tool is unplugged when inspecting equipment. Make sure guards are in place and secure. Ensure the abrasion wheel is free from cracks or defects, to prevent it from coming apart at high speeds. Replace defective abrasion wheels as needed prior to starting equipment. Make sure the abrasion wheel is securely attached. Check condition of the cord. Do not use cords that are damaged or that have come loose from the plug. For angle grinders with an electrical plug, ensure it is properly grounded using a 3-prong plug and outlet. Do not use cords that have a grounding terminal broken off.
2. Installing/changing a abrasion wheel	Laceration Struck-By's Burns Electrocution	Do not make adjustments while equipment is plugged in or running. Remove the battery if applicable. Do not touch the abrasion wheel immediately after working on it. It will be hot. Ensure the abrasion wheel is properly seated before tightening. Ensure the abrasion wheel is tightly secured to the equipment. Remove adjusting keys and wrenches before starting.

	3. Preparing for work	Laceration Struck-by Burn Electrocution	<p>Put on required PPE before using equipment.</p> <p>Never operate near explosive atmospheres which may include combustible gasses or materials.</p> <p>Have an ABC fire extinguisher available for use in the event of an accidental fire.</p> <p>Use vice grips or clamps to secure and support work when working with material that may move.</p> <p>Ensure handle location is appropriately positioned and secure.</p> <p>The use of a Ground Fault Circuit Interrupter (GFCI) is recommended. However, GFCI is required when working near water sources.</p> <p>To avoid accidental starting, make sure grinder is in “off” position before plugging it in or installing a battery.</p> <p>Remove adjusting keys and wrenches before starting.</p>
	4. Operating equipment	Laceration Struck-by Fire Burn Electrocution Amputation	<p>Make sure the sparks are directed away from you and other people.</p> <p>Be aware of your surroundings. Safety zone is 50 feet away from another person.</p> <p>Do not overreach; keep stable footing and balance at all times.</p> <p>Never force the grinder into the work; this may cause the abrasion wheel to break apart while in motion.</p> <p>To reduce vibrations do not operate the tool for more than 1 hour continuously without 10 minutes of rest.</p> <p>Do not touch material immediately after working on it. It may be hot.</p> <p>Follow manufactures recommendations for use and care of equipment.</p>

I have received, read and understood the contents of this JSA and have also acquired the aforementioned required training.

NAME:	
DEPARTMENT:	
JOB TITLE:	
EMPLOYEE ID:	
DATE:	
SIGNATURE:	

For more information about this JSA, contact the *Office of Environment, Health and Safety* at LAUSD, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA-90017
213-241-3199 • <http://achieve.lausd.net/oehs>

