


# Job Hazard Analysis Form



Task <b>Walk-behind concrete grinder - EDCO</b>	
Completed by <b>Sherry Liu and Frank Chavoya</b>	
Required PPE <b>Gloves, safety glasses, hearing protection, respirator, water-proof boots ( for wet method)</b>	
Date  <b>June 2018</b>	Notes

Step	Picture	Step Description	Hazards	Controls
1		Perform pre-use inspection and check	<ul style="list-style-type: none"> <li>Bodily Injury</li> <li>Cracked or broken wheels create projectile hazards</li> </ul>	<ul style="list-style-type: none"> <li>Complete hands-on walk-behind concrete grinder training prior to use</li> <li>Perform pre-use inspection according to the manual</li> <li>Confirm wheels are not cracked or broken</li> <li>Make sure blade is sharp and clean</li> <li>Make sure the blade guard works properly</li> <li>Red tag any equipment which does not pass inspection</li> </ul>
2		Preform hazard assessment of work area	<ul style="list-style-type: none"> <li>Combustion</li> <li>Fire</li> <li>Explosion</li> <li>Hazardous dust</li> <li>Cluttered or dark areas</li> <li>Distractions</li> </ul>	<ul style="list-style-type: none"> <li>Keep combustible or flammable materials at least 35 feet from hot work area or use shielding materials</li> <li>Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases or dust</li> <li>Evaluate materials to be worked on prior to grinding work.</li> <li>Insure the work area is free of clutter, and is well lit</li> <li>A caution area: delineators with caution tape or signs</li> </ul>

Step	Picture	Step Description	Hazards	Controls
3		Perform concrete grinding	<ul style="list-style-type: none"> <li>• Slips</li> <li>• Trips</li> <li>• Falls</li> <li>• Lacerations</li> <li>• Amputations</li> <li>• Struck-by's</li> <li>• Burns</li> <li>• Hearing loss</li> </ul>	<ul style="list-style-type: none"> <li>• Always stay cautious</li> <li>• Wear PPE before starting equipment, including non-slip work boots, Gloves, Hearing Protection, Safety glasses, a mask and a safety vest (when working near public roadways)</li> <li>• Keep fingers and hands away from wheels</li> <li>• Make sure all guards and collection bag are in place before operating equipment</li> <li>• Gas vapors are extremely flammable, only refill tank outdoors, in well ventilated areas. Make sure engine is off when refilling</li> <li>• Inspect work area for debris, such as sticks, wires, sprinkler heads, rocks, etc. Remove all debris prior to start grinding</li> <li>• Never reach in or under grinder while it is in the "on" position</li> <li>• When grinding on inclines, move across not up and down slopes</li> <li>• Watch for uneven surfaces, holes and slopes; take extra care with footing to avoid STF's</li> <li>• Remember to look down and behind when it is necessary to walk backwards with the grinder</li> <li>• Do not touch muffler while in operation. Muffler will become very hot and can cause burns</li> </ul>
4		After operation	<ul style="list-style-type: none"> <li>• Bodily Injury</li> <li>• Eye Injury</li> </ul>	<ul style="list-style-type: none"> <li>• Use eye protection and mask when cleaning the grinder and dust</li> <li>• Do not touch the blade or muffler after use</li> </ul>