




Injury & Illness Prevention Program






Job Safety Analysis Form

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Picture of task/equipment: 	Task:	Angle grinder
	Name of Shop or Dept.:	Civil Construction Engineering Management
	Location(s):	EN3-119 Construction Methods Lab
	Analyzed by:	M.Hom
	Date:	03/10/17

Required PPE:


Face Shield 	Hearing protection 	Work Boots 	Gloves 	Flame retardant jacket 
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Required/Recommended Trainings:

Fire Safety

STF Safety

Power Tool safety operations

TASK	HAZARDS	CONTROLS
Operating a grinder 	Lacerations Struck-By's Fire Burns Electrocutation	<ul style="list-style-type: none"> • Don PPE before using equipment; including face shield, work boots, gloves, and hearing protection. Use flame retardant clothing when risk of sparks. • Never operate near explosive atmospheres, such as around gas, flammable liquids, or dusty areas. • For angle grinders with an electrical plug, ensure it is properly grounded using a 3-prong plug and outlet. • Always use a proper guard with grinding wheel to prevent sparks and abrasion wheel from being directed at body. • Remove adjusting keys and wrenches before starting. • To avoid accidental starting, make sure grinder is in "off" position before plugging it in. • Have a fire extinguisher in the area in the event of an accidental fire. • Before use, inspect abrasion wheel for cracks or defects, to prevent it from coming apart at high speeds. • When working on a platform, use vice grips or clamps to secure and support work. • Never force the grinder into the work; this can create the tool to break apart while in motion. • Do not overreach; keep stable footing and balance at all times. • Avoid operating for long periods of time as it can create vibration.