

Safe Work Procedure		GRINDER (BENCH)	
<b>Department / Area:</b> Plant Operations	<b>Approved By:</b> Program Lead of Plant Operations	<b>Date Created:</b> February 28, 2014	<b>Review / Revised date:</b>
<b>Potential Hazards:</b> Fill in those that apply <b>H M L risk for injury</b> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Awkward / sustained postures – holding parts <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Forceful exertions – holding against grinder/brush <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Vibration – (hand arm) part against grinder <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Sharp points / edges – grinder wheels, brush <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Extreme heat – burns from hot parts <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Noise		<b>Personal protective equipment / devices required / other safety considerations</b> - Gloves or holding device - Appropriate closed toe footwear - Eye protection/goggles or face shield - Hearing protection - Secure loose clothing, hair, draw strings from hoods etc that could become entangled in tool -Ensure guards in place  <b>Training / Reference information</b> -SCHIPP Module 1 Orientation -Department Orientation -Operator’s manual	
<b>Note:</b> Signs and symptoms of a musculoskeletal injury (MSI) can include pain, burning, swelling, stiffness, numbness/tingling, and/or loss of movement or strength in a body part. Report these to your supervisor.			
<b>Employers must ensure that workers are trained and follow this safe work procedure</b> <b>Steps to perform this task safely:</b> -Pre inspect grinder to ensure switches, cords, grinding stone or brush are in good working order. If there is damage or excessive wear and tear, do not use the grinder and inform a supervisor. -Ensure the tool rest is not below the horizontal centre line and no more than 3mm from the face of the wheel. -Hold the part firmly but do not apply excessive force of the tool / part against the grinder. -Do not try to hold parts that are too small so that there is a risk that your fingers may contact the grinding wheel. Attach and secure part to be grinded to another tool / extender such as vice grips. -Do not grind against the side of the wheel. -Grinding wheel shape and wear must be maintained as per manufacturer’s specifications. - Disconnect and lock out power to the machine prior to doing any maintenance or repair.			



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