

Safe Work Instruction

Issue date: 06/12/07

Abrasive Blasting Cabinet

Review date: 18/10/10

Document no. SMS-06-SW-0864	Work description Abrasive Blast cleaning of Metal Rail components and Parts to remove rust in preparation for painting		
Scope	All abrasive blasting cabinets		
Review date	References OHS Reg 2001 Chapter 5 SMS-06-GD-0225 Plant SMS-06-GD-0306 Plant Risk Assessment Safe work procedure SWP70 Abrasive blasting cabinet published @ www.assaohs.com.au AS 1627.4		
Responsible supervisor <i>Insert name in BLOCK letters</i>	PPE and precautions	Competencies or qualifications	Licences or permits required
	Eye protection Hearing protection P2 dust mask Blast gloves Hand washing facility	Manual Handling Back Safe Briefing in SWI and competent to use Abrasive Blaster	None
Tools and equipment required	None		
IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT.			

	Warning Only non toxic glass bead or blasting media is to be used as a cleaning medium Unit is to be kept fully sealed at all times except when inserting or removing work pieces or for cleaning or maintenance
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Site/Job	
Planning	<ul style="list-style-type: none"> Place the first aid kit and fire fighting gear nearby Follow all worksite procedures eg Induction, pre-work briefing Clear around the workarea – people and other equipment, demarcate an exclusion zone as operator will be unaware of others due to noise generated. Ensure Persons within 5 meter have hearing protection.

Preparation for work	
	<p>Hazards</p> <ul style="list-style-type: none"> Dust Contaminants <ul style="list-style-type: none"> All Personal Protective Equipment must be worn prior to ANY work on this machine Inspect blast gloves, seals, hose and clamps for signs of wear or damage – replace if suspect. Do not operate if any sign of excessive wear is evident. Hose whip checks and/or hose coupling safety locks are fitted Ensure that all cabinets are de-energised before opening any access door or lid Avoid breathing dust when placing work into or removing from cabinet Dust from cabinet may cause irritation to eyes Dust generated from blasting may contain possibly harmful contaminants eg. Silicates Set air pressure gauge prior to use. Don't exceed recommended pressures.

Abrasice Blasting Cabinet

Use	<p>Hazards</p> <ul style="list-style-type: none"> • Noise • Manual Handling • Projectiles
	<ul style="list-style-type: none"> • Check the Manufacturer's Instructions for the model you are using if you are unfamiliar with it – there may be safety critical differences to the one you are used to • Ensure dust collection system is operating. • Failure of seals or other containment systems may release high velocity particles into operator zone. • Harmful noise levels may be generated by cabinet while blasting. • Do not use air pressure greater than recommended by manufacturer. • Do not aim the nozzle at your fingers or the Blast gloves. • Clean up all spills – abrasive material particles are very slippery. • Operator must have Emergency stop button available for immediate use. Must be a fast acting self actuating cut off device under the direct control of the operator.

Replacement of blasting material. Maintenance	
	<p>Hazards</p> <ul style="list-style-type: none"> • Dust • Hazardous Material in medium • Manual Handling <ul style="list-style-type: none"> • Personal Protective Equipment must be worn • Ensure that cabinet is de-energised and isolated from power supply • Collect used media and dust into bag or container and seal securely • Waste media may be disposed of as landfill • Refill unit with the specified amount of blast media as recommended by the manufacturer for the cabinet