

Project Title:		Use of air tools				Risk Assessment No:		FLT-RA19						
Task/Activity:		Use of Compressors & Pneumatic Power Tools				Project No:		35						
No. of Persons Involved:		5				Date Prepared:		16/01/2020						
						Overall Risk Rating		MEDIUM RISK						
HAZARDS						Likelihood		Severity				Risk Rating		
Ref:	Key hazards associated with the above task / activity.					Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
						3	2	1	5	4	3	2	1	
1	Exposure to Noise						x				x			6
2	Exposure to Vibration						x				x			6
3	Eye injuries from flying debris						x			x				8
4	Compressed Air injection into the body							x	x					5
5	Expose to Dusts						x				x			6
6	Exposure to Lubricating Oil Mists						x				x			6
Risk Assessment Scores		10> High Risk				5 – 9> Medium Risk				1 – 4> Low Risk				
Combined Risk Evaluation = 6.1 Medium Risk (Combined Score divided by No. of Hazards:- 37/6 = 6.1)														
PERSONS AFFECTED						PPE REQUIREMENTS								
Operatives	x	Members of Public		Site Visitors	x	Harness & Lanyard		Hi-Viz Clothing	x	Respiratory Protection				
Other Workers	x	Managers	x	Young Persons		Hearing Protection	x	Eye Protection	x	Head Protection	x			
Other People	x					Gloves	x	Safety Footwear	x	Tool-Tether-Belt				
		Severity (S)					Risk Rating		Action					
		1	2	3	4	5								
Likelihood (L)	3	3	6	9	12	15	High Risk		Stop the task/activity until controls can be put into place to reduce the risk to an acceptable level					
	2	2	4	6	8	10	Medium Risk		Determine if further safety precautions are required to reduce risk to as low as is reasonably practicable					
	1	1	2	3	4	5	Low Risk		No further action, keep under review					

Risk Assessor	Graham Barker	Name / job title:	Partner/engineer
Details of any persons consulted			

ADDITIONAL CONTROL MEASURES	
Information / Instruction / Training	Managerial Controls
<p>Any movement of COSHH-type materials being carried out must be done via COSHH Assessment risk controls.</p> <p>Do not use Compressed Air to blow down / clean yourself – there is a danger of death! (<i>This is called a 'Pulmonary Embolism' or air-bubbles in the bloodstream</i>)</p> <p>COSHH and PPE assessments will be carried out before work begins.</p> <p>Assessments of foreseen noise will be carried out and local authority will be informed if adjacent area is likely to be adversely affected.</p> <p>Compressors are subject to planned maintenance and statutory written scheme of examination.</p> <p>Only operatives who have experience of the work and are physically fit will be selected.</p> <p>Operatives will be trained in the safe use of pneumatic tools and the precautions necessary.</p> <p>Training will include the findings of COSHH, Noise and Vibration assessments and any necessary actions.</p> <p>Supervisors will receive the same basic training, and training in safety supervision.</p> <p>Train all operatives to use, and understand the need for appropriate PPE, as and when required;.</p> <ul style="list-style-type: none"> • Hard Hat (EN 397:2012) • Safety Glasses (EN 166:2001) • Safety Goggles (EN 166:2001) • Ear defenders – Overhead type (EN 352-1:2002) • Ear defenders – Plug type (EN 352-2:2002) • Gloves (EN 388:2003) Cut res-1 • Safety Footwear (EN 20345:2004) • Hi-Vis Vest (EN 20471:2013) 	<p>Ensure adequate supervision is provided and that control measures remain valid for the duration of the work</p> <p>Compressors are subject to a written scheme of examination' by competent persons.</p> <p>Tools to be checked prior to use for defects and all defects shall be reported immediately.</p> <p>Ensure no Un-Authorised & Un-Trained personnel using compressed air and associated equipment.</p> <p>Ensure no Misuse of Compressed Air or Horseplay.</p> <p>Ensure no un-safe or Dangerous work area.</p> <p>All Operatives on site to have sufficient Training in PPE.</p>

Physical Controls	Procedural Controls
<p>As assessment of PPE requirements will be carried out before use of a pneumatic tool or compressor is authorised.</p> <p>The assessment will include hearing, eye, head and foot protection as appropriate for the work and machine.</p> <p>PPE will be worn as directed.</p> <p>Air receivers will be identified by serial/plant number and be fitted with pressure gauge, safety valve, drain point and access for cleaning.</p> <p>The safe working pressure will be identified on all air receivers and will not be exceeded.</p> <p>All guards and covers will be fitted to moving parts of compressors, especially on V-belts and pulleys.</p> <p>Cutting tools provided will be kept sharp and be held securely in their fitment.</p>	<p>Continuous monitoring of noise will be carried out, and where the action levels are likely to be exceeded full assessment will be made.</p> <p>If work takes place in areas of poor ventilation, action will be taken to prevent a build-up of lubricating oil mist.</p> <p>Air hoses will not be used for cleaning down. Hose connections will be checked regularly for security and damage.</p> <p>Strict supervision will ensure that there is no horseplay with compressed air.</p>
HSE & Other Guidance	Comments
<ul style="list-style-type: none"> • Management of Health and Safety at Work Regulations 1999 • Control of Substances Hazardous to Health Regulations 2002 • Manual Handling Operations Regulations 1992 • Personal Protective Equipment at Work Regulations 1992 • Noise at Work Regulations 2005 • Pressure Equipment Regulations 1999 (Amended SI 1999/2001) (PER) • Pressure Systems Safety Regulations 2000 • The Pressure Equipment (Safety) Regulations 2016 	

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Any Other Statements or additional assessment:	Site Comments
<ul style="list-style-type: none">• Continuous use of compressors, air receivers, or pneumatic tools in confined spaces (<i>additional noise assessment will also be required</i>)• Work in explosive or flammable atmospheres	<p>Ear defenders must be worn if exposed to continuous noise in for an extended period of time.</p> <p>Activity area should be well ventilated and dust extraction working correctly.</p>