

RISK ASSESSMENT								
Assessment Title:	Compressed Air Equipment	Reference Number:		GRA005.01				
		Company Name:		Oakbank Waste Management Ltd				
		Department / Location:		Garage				
Risk Assessment Matrix								
Risk Ratings Highlighted in 'Orange' are to be discussed– potential improvements. Risk Ratings Highlighted in 'Red' need immediate action.								
Risk = Likelihood x Consequence (Multiply 'X' axis by 'Y' axis)		Consequence (Y)	Catastrophic (5)	5	10	15	20	25
1 – 4	Acceptable		Major (4)	4	8	12	16	20
5 – 9	Adequate		Moderate (3)	3	6	9	12	15
10 – 15	Tolerable		Minor (2)	2	4	6	8	10
16 – 25	Unacceptable		Insignificant (1)	1	2	3	4	5
			Remote (1)	Unlikely (2)	Possible (3)	Probable (4)	Certain (5)	
			Likelihood (X)					
Any queries arising from this risk assessment shall be addressed immediately with Line Management / Health & Safety Manager								

Hazard(s)	Risks of Harm	Persons at Risk	Risk Rating(s)			Existing Control Measures	Residual Risk Rating(s)		
	<i>Related to hazard identified</i>	<i>Persons at risk from identified hazards</i>	<i>X</i>	<i>Y</i>	<i>R</i>	<i>Existing controls measures implemented when carrying out task or using associated plant / tooling</i>	<i>X</i>	<i>Y</i>	<i>R</i>
Compressed Air (Injection of air from the nozzle)	Fatal & serious injury due to injection of air or material particles into body.	Operators, engineers / fitters and any persons in close proximity	3	4	12	<ul style="list-style-type: none"> Airlines must not be used against skin or clothing or to remove dust or dirt. Visual check of equipment and air lines to be carried out before use. Employees who use compressed air equipment to be made aware of injection hazards. Following Personal Protective Equipment (PPE) to be worn when using compressed air equipment: <ul style="list-style-type: none"> Safety glasses or face shields to protect eyes from flying debris. Hearing protection where noise levels are high. Gloves to protect hands from potential hose bursts or fittings. As the degree of injury is not always apparent medical advice must be sought after a compressed air penetration occurs or is suspected 	1	4	4
Failure of Equipment (Hose, Handle or Nozzle)	Injection injury through the escape of pressurised air	Operators and any persons in close proximity	3	4	12	<ul style="list-style-type: none"> Compressed are equipment including nozzles and hoses to be inspected by operator prior to each use. Failed hoses can whip or snake and also cause injection of compressed air or material if close to the skin. Hoses and connectors need to be checked prior to use. 'Jubilee' type clips should not be used. Faulty equipment to be removed from service immediately and repaired or replaced. Hoses above 10mm diameter, more than 10 m long or operating at a pressure above 7 bar shall be fitted with a coupling with a self-venting socket. 	1	4	4

Hazard(s)	Risks of Harm	Persons at Risk	Risk Rating(s)			Existing Control Measures	Residual Risk Rating(s)		
	<i>Related to hazard identified</i>	<i>Persons at risk from identified hazards</i>	<i>X</i>	<i>Y</i>	<i>R</i>	<i>Existing controls measures implemented when carrying out task or using associated plant / tooling</i>	<i>X</i>	<i>Y</i>	<i>R</i>
Explosion	Blast fragmentation or potential exacerbation of fire	Anyone in the vicinity of its use	2	5	10	<ul style="list-style-type: none"> Compressed air equipment is examined regularly by a competent person in line with statutory requirements and written scheme of examination depending on age, usage and condition. Compressors, air lines or tools must be taken out of service immediately if a fault is found and not reinstated until repairs have been carried out and verified as safe. A written scheme must be available for the inspection of the compressed air system. Air pressure in the system to be kept as low as possible. 	1	4	4
Noise	Noise exposure causing acute and chronic hearing injury	Anyone in the vicinity of its use	2	3	6	<ul style="list-style-type: none"> Compressor located within workroom, suppressing noise to operators working outside. Anyone working close to the compressor must wear ear defenders. Regular servicing and maintenance of the compressor and associated components to be undertaken. 	1	3	3
Hand Arm Vibration (HAVS)	Hand Arm Vibration Syndrome related effects resulting from continuous use	Operators	3	3	9	<ul style="list-style-type: none"> Only trained / authorized persons to operate compressed equipment. All compressed air equipment assessed and included in company HAV inventory. The best available equipment (with low vibration ratings) used for all processes. Regular breaks to be taken by operator. Regular health surveillance carried out and appropriate action carried out where required. 	2	3	6
Dust	Materials ingress into the eyes	Anyone in the vicinity of its use	3	3	9	<ul style="list-style-type: none"> Operators to wear suitable eye protection. Compressed air not to be used for blowing filings or chippings. Compressed air must not be blown in the direction of the operator or other persons. Eye wash stations to be available in work areas. 	2	2	4