

QUANTUM AIR COMPRESSORS PTY LTD

ABN 39 137 318 873

Phone: 1300 121 544

Fax 1300 078 877

Unit 2, 36 Lidco St Arndell Park NSW 2148

Safe Work Method Statement

SWMS No:	1	Revision Date:	14/4/16	Approved by (Snr Management Rep):	Chris McQuade	Signature:	
SWMS Title:	PIPEWORK	Scope of Works:	Pipework Installation Compressed Air/Vac				
Project Name:		Project Address:					
SWMS Prepared By:		In Consultation With:					

PPE Required

Hard hat
Hearing protection
Cotton clothing

Safety boots
Safety harness

High vis clothing
Face shield

Gloves
Dust mask

Safety glasses
Long sleeve/trouser

Specific Safety Legislation/Codes of Practice/Aust. Standards Applicable to this SWMS (NSW & National)

Occupational Health & Safety Act 2011	X	Code of Practice: Excavation Work	National Standard for Construction Work
Occupational Health & Safety Regulation 2011	X	Code of Practice: Control of Workplace Hazardous Substances	National Standard for the Storage and Handling of Workplace Dangerous Goods
Rail Safety Act 2002		Code of Practice: Safe Use and Storage of Chemicals	National Standard for Licensing Persons Performing High Risk Work
Rail Safety Regulation 2003		Code of Practice: Safe Use of Pesticides including Herbicides in Non-Agricultural Workplaces	National Occupational Health and Safety Certification Standard for Users and Operators of Industrial Equipment - 3rd Edition
Code of Practice for OHS Consultation	X	Code of Practice: Safe Use of Synthetic Mineral Fibres	National Standard for Occupational Noise
Code of Practice for Risk Assessment	X	National Code of Practice: Safe Removal of Asbestos 2nd Edition	National Standard for Plant
Code of Practice for Noise Management and Protection of Hearing at Work		National Code of Practice: Management and Control of Asbestos in the Workplace	Scaffolding AS 4576
Code of Practice for Hot and Cold Environments		National Code of Practice: Induction for Construction Work	Demolition AS 2601
Code of Practice for Low Voltage Electrical Work		National Code of Practice: Precast, Tilt-up and Concrete Elements in Building Construction	Formwork AS 3610
Code of Practice: Cutting and Drilling Concrete and Other Masonry Products		Code of Practice: Tunnels Under Construction	Concrete Structures AS 3600
Code of Practice: Electrical Practices for Construction Work		Code of Practice: Formwork	Safe Working in a Confined Space AS 2865 – 2001
Code of Practice: Facade Retention		National Code of Practice for the Storage and Handling of Dangerous Goods	Safe Use of Portable & Mobile Oxy-Fuel Gas Systems AS 4839
Code of Practice: Mono-Strand Post-Tensioning of Concrete Buildings		National Code of Practice for the Control of Workplace Hazardous Substances	Safe Working in a Confined Space AS2865
Code of Practice: Moving Plant on Construction Sites		National Code of Practice for the Prevention of Musculoskeletal Disorders Caused From Performing Manual Tasks	
Code of Practice: Overhead Protective Structures		National Code of Practice for Noise Management and Protection of Hearing at Work - 3rd Edition	
Code of Practice: Overhead Protective Structures		National Code of Practice for the Safe Use of Synthetic Mineral Fibres	
Code of Practice: Safe Work on Roofs, Part 1, Commercial and industrial buildings		National Code of Practice for the Safe Handling of Timber Preservatives and Treated Timber	
		Adopted National Exposure Standards For Atmospheric Contaminants In The Occupational Environment	

Revised 14/4/2016

Step No. Logical sequence	Sequence of Basic Job Steps Break down Job into steps. Each step should accomplish a major task in logical sequence.	Potential Safety Hazards Identify the hazards (health and safety) associated with each step, examine each to find all possible risk factors	Risk Score Use matrix score risk	Control Measure Determine what actions are necessary to eliminate or minimise all hazards that could lead to an accident, injury, illness or environmental incident. The risk must be reduced or controlled to a level that is acceptable before work commences	Who Who is responsible for implementing Control Measure
1.	Working on Site	Personal Injury	5	Ensure Permits are acquired through Site Supervisor	Service Tech
2.	Assess work area for new pipe installation	Trip, slip pump	20	Obey signage	Service Tech
3.	Scan work area for other services	Electrical shock	12	Any electrical wiring is to be assumed live	Service Tech
4.	Installation of pipe work	Working around live services Dust Repetitive strain	8	All plant and electric power tools be fitted with current test and tag All PPE to prevent dust exposure Use safe lifting practices	Service Tech
5.	Drilling of holes into concrete at designated time for site	Electric shock Dust	8	All plant and electric power tools be fitted with current test and tag All PPE to prevent dust exposure Use safe lifting practices	Service Tech
6.	Pressure test pipe work	Compressed air	8	Inspect all pipe work before pressure testing Notify personnel that you will be pressure testing All relevant PPE worn	Service Tech
7.	Insure site is left clean after completion	Dust	16	All relevant PPE to be worn	Service Tech

Step No. Logical sequence	Sequence of Basic Job Steps Break down Job into steps. Each step should accomplish a major task in logical sequence.	Potential Safety Hazards Identify the hazards (health and safety) associated with each step, examine each to find all possible risk factors	Risk Score Use matrix score risk	Control Measure Determine what actions are necessary to eliminate or minimise all hazards that could lead to an accident, injury, illness or environmental incident. The risk must be reduced or controlled to a level that is acceptable before work commences	Who Who is responsible for implementing Control Measure

Step No. Logical sequence	Sequence of Basic Job Steps Break down Job into steps. Each step should accomplish a major task in logical sequence.	Potential Safety Hazards Identify the hazards (health and safety) associated with each step, examine each to find all possible risk factors	Risk Score Use matrix score risk	Control Measure Determine what actions are necessary to eliminate or minimise all hazards that could lead to an accident, injury, illness or environmental incident. The risk must be reduced or controlled to a level that is acceptable before work commences	Who Who is responsible for implementing Control Measure

Risk Assessment Matrix

LIKELIHOOD		
	Descriptor	Description
A	Very Likely	Happens frequently
B	Likely	Happens occasionally
C	Unlikely	Could happen but rare
D	Very Unlikely	Could happen but probably never will

CONSEQUENCES related to activities, products & services		
	Descriptor	Occupational Health & Safety
1	Catastrophic	Death
2	Major	Serious injury or disease. Extended medical treatment required.
3	Moderate	Medical treatment required. Lost time.
4	Minor	Medical treatment required. No lost time.
5	Insignificant	No lost time (Report only)

RISK CLASSES						
		CONSEQUENCE				
		1	2	3	4	5
LIKELIHOOD		Catastrophic	Major	Moderate	Minor	Insignificant
A	Very Likely	1	3	6	10	14
B	Likely	2	5	9	13	17
C	Unlikely	4	8	12	16	19
D	Very Unlikely	7	11	15	18	20
		■ = 1-6 or High Risk		■ = 7-13 or Medium Risk		■ = 15-20 or Low Risk

Hierarchy of Controls

1. **ELIMINATION**, can the risk or hazard be totally eliminated?
2. **SUBSTITUTION**, can the risk or hazard be replaced with a less hazardous method, material or system?
3. **ISOLATION**, can the hazard or risk be distanced from persons or can it be enclosed to prevent entry/access?
4. **ENGINEERING CONTROLS**, can the hazard or risk be guarded or made safe by engineering methods?
5. **ADMINISTRATIVE CONTROLS**, can training, increased supervision, rotation or signage assist?
6. **PERSONAL PROTECTIVE EQUIPMENT**, can PPE protect the worker from the hazard or risk?

Plant & Equipment used for the task addressed by this SWMS		
X	Plant and Equipment	A guide to Safety and Maintenance Checks
	Trucks	Service logbook inspected on arrival and at three monthly intervals. Services in accordance with manufacturer's maintenance schedule.
	Bobcat / Terrain Cranes	Service logbook inspected on arrival and at three monthly intervals. Services in accordance with manufacturer's maintenance schedule.
	Excavator	Service logbook inspected on arrival and at three monthly intervals. Services in accordance with manufacturer's maintenance schedule.
	Cherry picker	Service logbook inspected on arrival and at monthly intervals. Services in accordance with manufacturer's maintenance schedule.
	Oxy Cutting equipment	Inspect on arrival and inspect in accordance with safety procedures.
X	Electrical tools and leads	Inspected, tested and tagged each month.
X	Hand tools	Inspect prior to use.
X	Ladders	Inspect prior to use.
	Earth Leakage Circuit Breakers	Trip tested and tagged monthly and calibrated every three months. Trip times are to be recorded.
	Concrete Pumps	Service logbook inspected on arrival and tested at start of each shift.
	Generators	Inspected, tested and tagged each month.
	Harnesses	Inspect prior to use and ensure harnesses are certified in accordance with WorkCover and OHS Legislation.
	Lifting Devices	Inspected and certified in accordance with WorkCover and OHS Legislation.
	Scaffolding	Inspect prior to use. Ensure scaffolding is in accordance with AS 4576 – 1995.
	Other (Specify)	

Permits, Certificates and WorkCover Approvals Required			Hazardous Substances to be used on this task	
X	Description	Where Kept	Material	MSDS attached
	Formwork certification (calculations)			
	Asbestos / electrical shutdown clearances			
	Engineers certificates			
	Hot Work permits			
	Confined spaces permits			
	Out of hours work permits			
X	Electrical equipment tagged			
	Barricades / Signs			
	Electrical isolation			
	Scaffolding certification			
	Excavation certification			
	Services search – DIAL BEFORE YOU DIG			

Training & Supervision			
Who will conduct SWMS Training?		Qualifications (✓)	Certificate II – Train Small Groups <i>(Required if more than 10 people are being trained for this activity)</i>
Contact phone number:			General Industry OHS Induction
			Licensed Tradesperson
			OHS Committee / Safety Representative Consultation Training
			Other (Specify)
Who will Supervise the works?		Qualifications (✓)	Supervisors / Managers OHS Training
Title:			Accident Investigation
Contact phone number:			General Industry OHS Induction
			Licensed Tradesperson
			OHS Committee / Safety Representative Consultation Training
			Senior First Aid Certification
			Laser Safety Officer
			Confined Spaces
		Other (Specify)	
Who will inspect and approve work areas, work methods, protective measures, plant, equipment and power tools for use?		Qualifications (✓)	Supervisors / Managers OHS Training
			Accident Investigation
			General Industry OHS Induction
			Licensed Tradesperson
			Other (Specify)
Person(s) to be involved with the work: (✓)		Qualifications and Experience of Supervisors / Trainers & Workers (✓)	
	Carpenter	General Industry OHS Induction	Excavator Operation
	Electrician	Basic Scaffolding	Tower Crane Operation
	Fitter	Advanced Scaffolding	Hoist (Personnel and Materials Operation)
	Plumber	Dogging	Other (Specify)
	Bricklayer	Advanced Rigging	
	Labourers	Forklift Truck Operation	
	Steel fixer	Concrete Placing Boom Operation	
	Other (specify)	Elevated Work Platform (EWP)	
		Safe use of portable power tool	
		Licensed Tradesperson	

Training Statement

The following people have been trained in the work activities described in this SWMS

Revised 14/4/2016

SWMS Induction Training Statement:

I, the employee/worker identified below:

1. Have read, had input into and understood this SWMS
2. Have been **consulted** and **trained** in the specific safety requirements of the activity for which I am engaged on this site
3. I will work in accordance with this SWMS and understand that I am responsible for my own and fellow workers safety
4. If found necessary to amend this SWMS, I will consult with the Site Manager and help if required in re-issuing this SWMS

Name	Signature	Date	Name	Signature	Date