SAFE WORK METHOD STATEMENT

BNP SWMS 02 - Acid Washing V2 — Issued 15-May-23

ABN: 69 056 378 575	ACN: 056 378 575	11 Huntington Place, Banyo QLD 4014	PH: (07) 3630 2500

Project		**Project No**	
Client		**Location**	
Person in control of works		**Contact Number**	
Work Activity	Acid Washing		

High Risk Construction Activities

☐ Risk of a person falling more than 2 metres	☐ Work in or near a confined space	☐ Work in or near a shaft or trench deeper than 1.5 m or a tunnel
☐ Work on or near pressurised gas mains or piping	☐ Work on or near energised electrical installations or services	☐ Work on, in or adjacent to a road, railway, shipping lane or other traffic corridor in use by traffic other than pedestrians
☐ Work in an area with movement of powered mobile plant	☐ Work in or near water or other liquid that involves a risk of drowning	☐ Is carried out in an area that may have a contaminated or flammable atmosphere

Consultation in development of SWMS

Name	Position	Signature	Date
Greg Steele	Director		
Randal Black	National Manager		
Brendan Evans	QLD Manager		

Approved by	Randal Black	**Position**	National Manager	**Signature**		**Date**	

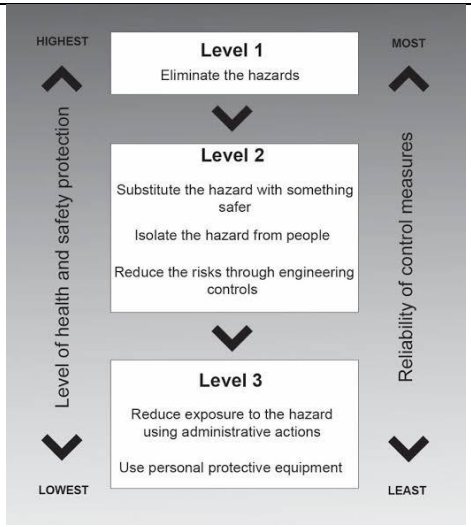
Legislation and Codes of Practice	Work Health & Safety Act 2011, Work Health & Safety Regulation 2011, How to Manage Work Health and Safety Risks COP 2011, Work Health and Safety Consultation, Co-operation and Co-ordination 2011 Traffic Management for Construction or Maintenance Work Code of Practice 2008, MUTCD Part 3 Managing the Risks of Hazardous Chemicals Code of Practice 2021, Hazardous Manual Tasks Code of Practice 2021, Managing Risks of Plant Code of Practice 2021, Abrasive Blasting Code of Practice 2021, First Aid in the Workplace Code of Practice 2021
Plant and Equipment required	Pressure washer with wand and rotating broom head to clean surface
Inspections and maintenance	Preoperational check to be conducted on plant
Materials used	Acid, Clean Water

Specific Training	General industry induction (QLD white card); Site specific induction, trained in SWMS / SDS procedures, Trained in Safe & Proper Use of PPE
Personal Protective Equipment	Mandatory PPE to be worn at all times – Hi-Vis Long Sleeve shirt – (Sleeves rolled down) or Hi-Vis vest over shirt, Long pants, Safety glasses, gloves when Manual Handling, Safety helmet where required, Task PPE – Ears plugs (over 70db), Respirators, Safety glasses

Implement, Monitor and Review	
Actions before work commences	Workers will be inducted onto the Safe Work Method Statement Traffic management controls, approved plans and permits must be in place before working within 6mtrs of live traffic. All traffic controllers must hold the relevant qualification for the role. Evidence must be sighted prior to start of works. Works must be planned and structured to cause minimum disruption to local traffic, pedestrians and residents.
Actions during works	Signage checks must be completed at regular intervals and documented throughout the day. Works will be monitored to ensure works are carried out in accordance with the Safe Work Method Statement Report any hazards or incidents. Person in control of the works is the nominated person who will ensure the implementation of this SWMS. All incidents and / or near misses must be reported following the Brick N Pave incident reporting process.
Actions after work is completed	Safe Work Method Statement will be reviewed and amended when changes are made or where a new hazard has been identified, or at least annually

Risk Assessment

	HEALTH & SAFETY CONSEQUENCES	1. INSIGNIFICANT - no injuries	2. MINOR - first aid treatment, spillage contained on site	3. MODERATE - medical treatment, spillage contained with outside help	4. MAJOR - extensive injuries, loss of production	5. CATASTROPHIC - death, toxic release of chemicals
PROBABILITY	A. Common or Frequent Occurrence	M5	M10	H15	E20	E25
	B. Is known to Occur or 'It Has Happened"	L4	M8	H12	E16	E20
	C. Could Occur or "I've Heard of it Happening"	L3	M6	M9	H12	H15
	D. Not Likely to Occur	L2	L4	M6	M8	M10
	E. Practically Impossible	L1	L2	L3	L4	M5



Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
1.	Site Establishment of works on, in or adjacent to a road or traffic corridor in use by traffic other than pedestrians	Public	Incident due to proximity to adjacent road	B x 5 = E20	BNP to hire a licensed Traffic Management Company to develop and establish appropriate traffic management controls taking in consideration sequencing, job specific Temporary Road Closure Approval requirements and scheduling of works. Ensure permits are current. Traffic Management Plan and Traffic Guidance Schemes to be developed and implemented by a licenced traffic management company. Ensure traffic management controls are inspected and signed off by traffic management company. Site vehicles to have warning devices (e.g. flashing lights, vehicle signage, etc.). Workers to wear high visibility clothing (night vis as required).	D x 5 = M10	BNP representative Traffic Management Company
2.	Starting Work	Poor consultation	Incident due to poor consultation	B x 5 = E20	BNP to coordinate consultation between site personnel and traffic control company. Consultation to include • Scheduling of works • Movement of plant and vehicles • Nominated UHF channel • Determining specific work area • Specific hazards and controls relevant to the shift • Emergency response	D x 5 = M10	BNP representative
3.	Unloading plant	Falls	Injury due to fall	B x 4 = E16	Ensure fall protection is in place on truck. Utilise ladder access to rear of truck.	D x 4 = M8	BNP representative

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
4.		Manual Tasks	Sprains and strains	B x 3 = H12	Use mechanical assistance to lift heavy plant for truck. Ensure personnel understand what manual handling is not just about the weight e.g. for example, twisting, jerking or reaching, doing the task too fast, using too much force or lifting the wrong way. If mechanical assistance is not reasonable, utilise team lifts.	D x 3 = M6	BNP representative Site personnel
5.	Mixing acid	Chemicals	Contact with chemical	B x 4 = E16	Safety Data Sheet to be available for workers. Perform task in a ventilated area. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Ratio - 20:1 water: acid Worker must wear eye protection. Mixture must be in a suitable container and used during the shift. Once mixed, the solution may be poured onto the area to be treated.	D x 4 = M8	BNP representative Site personnel
6.	Preparing area	Debris	Projectiles	B x 4 = E16	Area to be assess and swept to remove any debris and potential projectiles.	D x 4 = M8	BNP representative Site personnel
7.	Using pressure cleaner	Plant failure	Injury due to plant failure	B x 4 = E16	Operator to conduct preoperational checks on plant. Major defects are to be reported to the BNP representative.	D x 4 = M8	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
8.		Over spray	Contact with workers Vision affected of motorists	B x 3 = H12	Determine whether wind conditions may affect other workers or adjacent traffic. Work is not to distract adjacent traffic. Conduct a couple of test runs to determine suitability of exclusion zones / direction of work. Supervisor to monitor progress of works and any change.	D x 3 = M6	BNP representative Site personnel
9.	General site hazards	Fuelling Plant	Contact with fuel Fire	B x 3 = H12	Ensure correct fuel is used. Ensure spill kit and ABE fire extinguisher is available. Ensure no naked flames are in the fuelling area	B x 5 = E20	BNP representative Site personnel
10.		Noise	Exposure to excessive noise Hearing Damage	C x 4 = H12	Assess work area for excessive noise. Generally, if there is a need to shout due to production noise, controls need to be implemented. When deciding control measure, the hierarchy of control must be considered, and the highest reasonably practicable control measure must be used e.g. remove personnel away from the noise rather than PPE.	D x 3 = M6	BNP representative Site personnel
11.		Dust	Inhalation of airborne contaminants	B x 3 = H12	Work activities that produced to be monitored and where possible dust should be controlled by engineering controls such as water suppression or extraction If dust cannot be controlled that ensure workers are protected by suitable respiratory protection. Ensure other workers are removed from the immediate area.	D x 3 = M6	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
12.		Working outdoors	Heat Stress Skin Cancer	B x 3 = H12	Personnel to be aware of the signs and symptom of heat illness and provided advice on how to minimise the risk including • Keep hydrated, about 250ml per 30minutes • Monitor yourself • Check in with your mate • Avoid alcohol and caffeine Signs and symptoms of heat stress include • Pale clammy or hot flushed dry skin • Headaches • Nausea and/or vomiting Personnel to be protected from the risk of sun damage. PPE requirements include sunscreen, brims, sunglasses, longs sleeves and long pants. Personnel to report any symptoms of heat illness to BNP representative immediately. Personnel to receive first aid and medical attention. BNP representative to promote heat illness prevention during daily prestart meeting and toolbox meetings.	D x 3 = M6	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
13.	Finalise Works	Equipment left on road Traffic signage not removed / reinstalled	Incident due to contact with equipment Inappropriate signage	B x 4 = E16	BNP representative to inspect closed work area to ensure all equipment is accounted for and packed onto the site vehicles. Liaise with traffic management company before opening work area. Traffic Management company to establish normal traffic conditions. BNP representation to conduct a final inspection to ensure • No equipment has been missed • All temporary signage has been removed • All cover traffic signage has been restored	D x 4 = M8	BNP representative Traffic Management Company

Additional Hazards and Control Measures

Item	Work Activity	What can go wrong	What will be put in place	Responsible Person
1.				
2.				
3.				
4.				
5.				

Name	Signature	Date	Name	Signature	Date
I the undersigned, confirm that the SWMS nominated above has been explained and its contents are clearly understood and accepted. I confirm that required qualifications to undertake the activity are current. I clearly understand the controls in this SWMS must be applied as documented, otherwise work is to cease immediately. I have been provided with the Personnel Protective Equipment identified, consulted and given the opportunity to comment on this SWMS.					