

SWMS FOR HYDRO EXCAVATIONS

TASI	C DETAILS										
Principal Contractor:			Date:								
Location:							Start			_	
Site Supervisor &							Contr				
	mentation Responsi Description:	ibility:					Numl	ber:		_	
	Risk Activities (Reg 2	91)								_	
	nated Plant/ Equipm						Main ^a Plant	tenance o	of Attach Prestart Checklist		
	EMERGENCY	Tony Pa	y Papandonakis Power Water				ite Firs	t Aider	Ambulance, Fire, Police		
	CONTACTS	041	7 877 222	(00) 0	(08) 8947 7015		me:				
		_	8981 6758		(00) 0547 7015		obile:		000		
	PERMI	TS -		I/A 🗌			WATE	R QUALIT	- N/A 🗌		
IT IS MANDATORY THAT ALL STAFF			ARE TO CALL THE SYSTEM CONTROL LINE (08) AND EXIT OF CONFINED SPACE AND SEWAGE PONDS			WATER	R CONTE		SURES TO BE DETAILED ON JSEA CONTROL MEASURE COLUMN		
☐ Ele	ectrical H/V	Confine	ed Space	☐ Hot W	/orks	Chlorina	ation Dis	rupted	☐ Backflow a risk		
P/N:		P/N:		P/N:		System	Pressure	e Reduced	Potential Water Contamination		
wor	RK METHOLODG	Υ									
STEP	1										
STEP 2											
STEP	3									_	
STEP	4									_	
HAZ	ARD IDENTIFICA	TION – U	se this list t	o consider w	vhat could go	o wrong d	uring t	he task.	. If the hazard is potential mark X		
Item	Hazard		Yes	Item	Hazard		Yes	Item	Hazard _{Yes}		
а	Abrasion/ Fr	iction		k	Fire/ Explosi	ion	□ u		Shearing <a>		
b	Cleaning/ Main	tenance		1 6	Guarding/ Ac	cess		V	Slip/ Trip/ Fall		
С	Contact - Hot	:/ Cold		m Ha	zardous subs	stance		w	Stored energy \Box		
d	Crushing	_		n l	Manual hand			У	Striking	_	
e	Cutting			0				Z	Tearing	_	
f	Dust/ Fume/ Var			р О	perating con			aa	Uncontrolled movement		
g	Electrica			q	Pressure			bb	Vibration	_	
h	Entanglem				ncturing/ Sta			CC		_	
i	Ergonom Expelled ob			t	Radiation Risk to othe			dd ee		_	
DICK	•	•		- :					· -		
KISK	ASSESSIVIENT - /	Assess ead				core base	d on a	II contro Risk	ols being implemented.		
			LIKELIHOOD				Score		ACTION ILLQUINED		
		Almost Certain	Very Possible	Possible	Possible Unlikely			Catastro	controlled.		
		Certain	FOSSIBIE					High	Action plan to be developed time from a stablished Interior	im	
	Extreme	A1	A2	А3	A4	A 5		Mediu Low	controls may be needed.		
	Major	B1	B2	В3	B4	B5					
È					57			ELINA	HIERARCHY OF CONTROL		
SEVERITY	Moderate	C1	C2	С3	C4	C5		ELIM	Elimination	ŀ	
Ē	NA:							SUB	Substitution	-	
(1)	Minor							50	Isolation		
S	Minor	D1	D2	D3	D4	D5		ISO ENG	Isolation	H	
S	Minor	D1 E1	D2 E2	D3 E3	D4 E4	D5 E5		ENG ADM	Engineering Administrative	ŀ	

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CONTROL – Break task into steps and record each hazard identified. Record controls to be implements to reduce the risk. Consider the hierarchy of controls always aiming to eliminate where possible.

STEP	RISK INVOLVED	CONTROL MEASURES USED	Residual risk	PERSON/s
Planning	 Assess work locations Damage to unknown underground services Contact with Overhead HV/LV aerials Pendent Damage or ineligible Slips Trips and Falls 	 Only persons trained and deemed competency can operate the hydro-excavator truck Pre-start Inspection of Hydro Excavator and equipment to be completed, recorded and any damages reported to Site Supervisor Inspection of Hoses and coupling for signs of Damage or Wear and Tear Check to ensure that Hydro Vac Truck Extendable Arm will not come in close proximity to LV/HV Overheard Power Lines Communicate to all other works of excavation to being and establish no go zones to prevent splash back and/ or being struck by flying debris Level surfaces where possible Plan laydown area for material, tools equipment 	C5	Supervisor Workers
Personal Protective Equipment (PPE)	 Personal injury Spray back from High Pressure Water Gun Excessive noise from Hydro Spray and Vac Truck Injury from contact with High Pressure Water Injury when Handling the Vac Hose Blockages Damage to eyes 	High pressure water blasting and vacuum operators to wear Long Sleeve Shirts, Pants, Face shield, hearing protection and boots to prevent exposure to contaminated water and debris Hearing protection to be worn and eye protection to be worn by remainder of work crew No worker to be in the high-water pressure jetting area Appropriate manual handling techniques used when holding and moving VAC Hose Ensure Vacuum valve is closed prior to disconnecting hose and two people to remove hose Remove obstruction gloves should be used to prevent hand injuries or contact with sharp objects Manual Handling techniques	D4	Workers
Pre-Start Work Setting up the Operating Hydro Truck and High- Water Gun	Damage to Plant and Vehicle Too close to overhead powerlines or Powerline damage Traffic and Pedestrian in close proximity to truck Incorrect VAC hose used Gas leak/ fire/ explosion Water Service Damage Slips Trips and Falls	 Ensure that there is adequate clearance from overhead powerlines particularly if the retractable arm is required Traffic Management to be implemented to manage vehicle and pedestrian movements around work site Ensure that the appropriate hose is used to prevent cross contamination Utilise dial before you dig Service locations have been clearly marked Excavate only in the marked areas Ensure site inspected and checked for underground services Do not walk through areas where mobile plant/vehicles are being operated Never approach mobile plant from behind Stand in the "line of sight" while guiding operator Communicate with operator from safe distance if access to area if required, wait until stopped with attachments lowered before approaching Do not Stand in front or behind or in blind spots of vehicles/ plants 	D4	Supervisor Workers
Completing Hydro Vac Works	 Personal injury Injection Injury Angry residents Trip hazard from tools and equipment Protentional contamination of hoses Damage to Plant and equipment 	Ensure that residential properties where fences, walls, concrete driveways, walkways and vehicles have been cleaned of any splashback Remove all tools to vehicles	C4	Workers

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Completing Manifest	Uncontrolled recordings of volume of waste Wrong waste dumped at incorrect locations	 Make entries int the Manifest Register Complete manifest report Record litres of waste, start and finish time, location of dumping, operators and type of wastes Communications with team operator/ site representative is unsure of areas to be completed Follow all power water bulk waste agreement Follow all EPL 101 License/ Environmental Protection Agreement 	D5	Supervisor Workers
Dumping of Wastes	Uncontrolled Dumping of Contaminated Wastes Harmful Effects to Environment Fines / High Expenses for uncontrolled dumping of wastes Non-conformance and Non-compliant to Mike Excavations Pty Itd operating procedures and operations	 Read completed Manifest for Locations of Dumping Waste Power Water Bulk Waste Agreement identifies areas where dumping should take place Recording of Dumping Locations Communications at Toolbox / WHS Meetings in regard to locations of dumping Follow all EPL 101 License / Environment Protection Agreement 	D4	Supervisor Workers
Decontaminatio n of Hydro Unit	Cross Contamination of Sewer and Water Sickness causing severity or death Environmental Damage to Community Roads / Infrastructure Wearing on Equipment and Truck High Costs / Expenses Non-conformance and Non-compliant to Mike Excavations Pty Itd operating procedures and operations	 Make sure after each use the Hydro Vacuum Truck is clean from any wastes from previous project of works Make sure that the vehicle is cleaned prior to leaving the dumping locations Make sure that any PPE that is used is disposed of (disposable clothing) Use correct detergents/ disinfectants for decontaminations Communications/ toolbox WHS meetings decontamination discussed 	D5	Supervisor Workers

PERSONAL PROTECTIVE EQUIPMENT REQUIRED											
\boxtimes	\boxtimes		\boxtimes	\boxtimes	\boxtimes						
Hi-Vis	Boots	Hard Hat	Safety Glasses	Ear Protection	Gloves	Mask	Harness	PFD	Seatbelt		
		0							→ ←		
	\boxtimes	\boxtimes	\boxtimes								
Suit	Long Sleeve Shirt	Long Pants	Wide Brim Hat	Face Shield	Breathing Apparatus	Portable Light	Rescue Equipment	Two-Way Radio	Meter Safety Kits		
				\boxtimes		\boxtimes			\boxtimes		
Isolation, Lock, Tags	First Aid Kit	Spill Kit	Fire Extinguisher	Dial Before You Dig	Sunscreen	Drinking Water	Hand Wash Facility	Fans/ Ventilation	Pre-Start Check		

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LEGISLATION/ STANDARDS/ DOCUMENTATION

- Return to Work Act 2015
- Return to Work Regulations 2015
- Work Health and Safety (National Uniform) Act 2011
- Work Health and Safety (National Uniform) Regulations 2012
- Construction Work
 - Managing the Risk of Falls at Workplaces
- Preventing Falls in Housing Construction
- Hazardous Manual Tasks
- Work Health and Safety Consultation, Cooperation and Coordination
- Managing the Risks of Plant in the Workplace
- How to Manage Work Health and Safety Risks
- First Aid in the Workplace
- Excavation Work

- Safety Data Sheets (SDS) –must be available and read before hazardous substances are used
- DIAL BEFORE YOU DIG



The Essential First Step

TEAM CONSULTATION SIGN OFF – REMEMBER LOOK OUT FOR YOURSELF AND LOOK OUT FOR YOUR MATES										
Name		Name		Sign						
HAZARD REPORT (Where & Wh	at is the ha	ızard?)								
CORRECTIVE ACTION REQUIRE										
CORRECTIVE ACTION REQUIRED				-	Î					
Modify job procedure		Improve engineering co	ontrols		Modify workplace	alayout				
Improve equipment maintenance		Increase supervision			Improve personal protection					
Improve housekeeping		Amend or introduce safety rules			Discuss hazard at	Briefing				
Improve hazard inspections		Strict enforcement of s			Other (provide de	etails below)				
Increase inspections		Reinstruct person/s inv	olved							
Detail corrective action required or	taken:									
Action taken by		Signed				Date				

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