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COMPANY DETAILS

Company Name	
Date	
JSA No	
Site Name	
Permit to Work	
Approved by	
Workers on site	

DESCRIPTION OF WORK ACTIVITIES

1	High Pressure Water Jetting Drain clearing (HPWJ)
2	
3	
4	
5	
6	



RISK

	1.INSIGNIFICANT No external First Aid required	2. MINOR Some First Aid required	3.MODERATE Significant personal injury and medical treatment	4. MAJOR Extensive permanent injury. Loss of sense	5.CATASTROPHIC Death or permanent disability
A. ALMOST CERTAIN Expected in normal circumstances	HIGH 11	HIGH 16	EXTREME 20	EXTREME 23	EXTREME 25
B. LIKELY Probably occur in most circumstances	MODERATE 7	HIGH 12	HIGH 17	EXTREME 21	EXTREME 24
C. POSSIBLE Might occur at some time	LOW 4	MODERATE 8	HIGH 13	EXTREME 18	EXTREME 22
D. UNLIKELY Could occur at some time but no expected	LOW 2	LOW 5	MODERATE 9	HIGH 14	EXTREME 19
E. RARE Only in exceptional circumstances	LOW 1	LOW 3	MODERATE 6	HIGH 10	HIGH 15

RISK		ACTION	
IMEF	EXTREME	Immediate action required to mitigate risk and implement treatments	
TNC	HIGH	Immediate action required to mitigate risk and implement treatments	
5 MODERATE		Reasonable action to monitor and mitigate risk	
A	LOW	Reasonable action to monitor and mitigate risk	

	APPROPRIA	TE RISK TREATMENTS BALANCING THE RISKS AND THE SUITABLE MITIGATING ACTION AS FAR AS REASONABLY PRACTICABLE	
LS	ELIMINATE	Seeks to eliminate the risk source	
CONTROLS	SUBSTITUTE	Institute a control measure that provides a safer alternative	
HEIRARCHY OF	ENGINEERING	Engineered options that separate the risk from the user and environment	
HEIRA	ADMINISTRATION	Procedures and practices that are instituted to reduce risk, of equal or higher standard that WHS obligations	
	PERSONAL PROTECTIVE	Protection from risk source	



EQUIPMENT AND TOOLS TO BE USED	ТІСК		LIST PPE TO BE USED	ТІСК
JETTER		\bigcirc	Hard Hat	
JETTER MAIN REEL			Safety Footwear	
JETTER MINI REEL		٢	Eye Protection	
JETTER LANCE			Safety Harness	
NOZZLE SET			Respiration Equipment	
HOSE RESTRAINT			Hand Protection	
HOSE SHROUD		0	Ear Protection	
SAFETY PLATE		R	Overalls	
MEDICAL ALERT CARD			Illuminating Safety Vest	
SAFETY SIGNAGE		Ť	Wet Weather Gear	
FIRE EXTINGUISSHER		\bigcirc	Sun Glasses	
BARRICADES		Ð	Hat	
		SUN	Sun Screen	
LIST POTENTIAL HAZARDOUS SUBSTANCES EXPOSURE	DO YOU HAVE THE MSDS YES / NO			



KNOWN HPWJ RISKS AND SAFETY RISK TREATMENTS

		RI	SK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
		OPERATOR COM	PETANCY- INJURY / DEATH	21	13
OPERATION	Only pe compet CONDU DO NO READ N WEAR BARRIC ERECT DO NO ENSUR DO NO	ent to operate a Cla JCT SITE SPECIFIC T OPERATE PRESS MANUFACTURERS ALL REQUIRED PP CADE WORK AREA HAZARD WANING T USE LANCE WIT E HOSE RESTRAIN T USE IF EVIDENC	ed, experienced and hold all releva ss B HPWJ if required. RISK ASSESSMENT URE WASHER UNLESS QUALIFIE INSTRUCTIONS E - RESTRICT ACCESS SIGNS HOUT PROTECTIVE SHEATH ON	ED AND AUTHORISED TO OPERATORS END OF HIG	DO SO
	HEIRA	ARCHY CONTROL		Administration, PPE	

		RI	SK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
	ENTANGLEMENT IN EQUIPMENT- INJURY			17	9	
OPERATION	Risk Control Treatments to be Observed Use hose main and mini reels to limit exposure to hose Ensure firm footing during operation Barricade work zone Utilise signage		els to limit exposure to hose	Operate in line with Safe . Operate in line with Guide High Pressure Water Jetti	e to Managing Risks from	
	HEIRARCHY CONTROL Engineering, Administration					

		RIS	K ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
	HIGH PRESSURE WATER JETTING- INJU		RE WATER JETTING- INJURY	21	14
OPERATION	Risk Control Treatments to be Observed Jetting in progress signage Barricade work zone from by standers SWMS to stop jetting if people enter work zone Never leave jetter unattended Stop jetting if malfunction Never point jetter stream at person or animal Always carry Medical Alert Card		Never put hand over jetter Use appropriate PPE Never leave jetter unatten Operate in line with Safe Je Seek medical treatment im Operate in line with Guide from High Pressure Water	ded etting Manual Imediately to Managing Risks	
	HEIRAR	CHY CONTROL	Engir	neering, Administrative, PPE	



		R	ISK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
	HOSE WHIPPING - INJURY		21	10		
OPERATION	Risk Control Treatments to be Observed Observe machine start up procedures Point jetting stream to ground Observe markings on hose indicating distance to end of hose Utilise hose restraints and shrouds Always carry Medical Alert Card		Utilise safety plate over dra Operate in line with Safe Je Operate in line with Guide High Pressure Water Jettin	etting Manual to Managing Risks from		
	HEIRARCHY CONTROL Engineering, Administrative, PPE					

		R	ISK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
Z	SUFI		FFOCATION - INJURY	20 14		
OPERATION	Risk Control Treatments to be Observed Never operate fuel driven equipment in confined spaces Ensure adequate ventilation Undertake confined spaces training		equipment in confined spaces on	Operate in line with Safe Je Operate in line with Guide High Pressure Water Jetting	to Managing Risks from	
	HEIRAR	CHY CONTROL	ONTROL Administrative, PPE			

	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
TION	MANUAL HANDLING - INJURY			20	10
OPERA		trol Treatments t ke training in mar			
	HEIRAF	CHY CONTROL		Administration	

		RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
NO	€	BURNS -	INJURY	17	6
OPERATION	Follow e	trol Treatments to be Obse ngine manufacturers instru on fuel tank		Guards to shield operator f PPE	rom hot parts
	HEIRARCHY CONTROL Engineering, Administration, PPE				



	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
	EXPLOSION & FIRE - INJURY		18	10	
OPERATION	Risk Control Treatments to be Observed Follow manufacturer's instructions Cool engine prior to refuelling Charge battery with correct equipment Access to fire extinguisher		Do not operate in explosive Utilise appropriate PPE wh battery and fuel Access to fire blanket		
	HEIRAR	CHY CONTROL	Administration, PPE		

	RISK ITEM			RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
NO	•		CRUSH - INJURY		14 10	
OPERATION		trol Treatments t nachine, trailer, v	o be Observed ehicle with brake or wheel			
	HEIRARCHY CONTROL Engineering, Administration					

	RISK ITEM			RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
TION	•	ENGINE A	ND JETTING NOISE - INJURY	17	6
OPERA	Risk Control Treatments to be Observed			Use hearing protection PPE	
	HEIRARCHY CONTROL Administrative, PPE				

		R	ISK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
			E CONTAMINANTS -INJURY	22	15
OPERATION	Risk Control Treatments to be Observed Do not use HPWJ near asbestos as particles may become airborne Wear safety goggles Operate in line with Guide to Managing Risks from High Pressure Water Jetting			Be aware of airborne bio ha jetting Wear appropriate respirato Operate in line with Safe Jet	r
	HEIRAR	CHY CONTROL		Administrative, PPE	



	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
NOIT	ELE:		CTROCUSION - INJURY	18	10
OPERA.		trol Treatments t ir HPWJ stream a	o be Observed t electrical equipment	Wear appropriate PPE	1
	HEIRARCHY CONTROL Administrative, PPE				

	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
NO	€	SLIPPING - INJURY	17	9
OPERATION	Use corr	trol Treatments to be Observed ect footwear on slippery surfaces bills Kit when required	Clean up prior to leaving sit	e
	HEIRAR	CHY CONTROL	Engineering, PPE	

	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
TION	в		OHAZARD - INJURY	18	10
OPERA.		trol Treatments t		Employ appropriate PPE	1
	HEIRARCHY CONTROL Administrative, PPE				

	RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
NO			CAL EXPOSURE - INJURY	18	10
OPERATION	Confined	trol Treatments t I spaces training rkspace well vent		Follow chemical suppliers' Utilize respirator and addit	
	HEIRAR	CHY CONTROL	Administrative, PPE		

		R	ISK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
	FREEZING LIQUIDS - INJURY		18	10	
OPERATION	Do not c Follow s Do not le	tart up and shut c eave equipment p vn equipment and	it if there is a risk of freezing. Iown procedures	Operate in line with Safe Je Operate in line with Guide High Pressure Water Jetting Wear correct PPE	to Managing Risks from
	HEIRAR	CHY CONTROL		Administrative, PPE	



		R	ISK ITEM	RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
7	INCORRECT JETTER, HOSE , NOZZLE COMPATABILITY - INJURY		18	10		
OPERATION	Risk Control Treatments to be Observed Operator training to AS 4233.1 2013 requirements Ensure jetter, hoses and nozzles are compatible Use hose restraints Use appropriate PPE		Operate in line with Safe Je Operate in line with Guide High Pressure Water Jetting	to Managing Risks from		
	HEIRAR	CHY CONTROL	Administrative, PPE			

OTHER RISKS AND SAFETY RISK TREATMENTS

		RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
Risk Treatments to be Observed:						
	HEIRAF	CHY CONTROL				

		RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS
	Risk Trea	atments to be Ob	served:		
L	HEIRAF	RCHY CONTROL			

 RISK ITEM		RISK RATING BEFORE CONTROL	RISK RATING AFTER CONTROLS	
Risk Trea	atments to be Observed:			
HEIRAF	CHY CONTROL			



 RISK ITEM		RISK RATING BEFORE CONTROLS	RISK RATING AFTER CONTROLS	
Risk Trea	atments to be Obs	served:		
 HEIRAR	CHY CONTROL:			

DECLARATION

DECLARATION BY PCBU AND WORKERS	Yes	No
I have been consulted and have assisted in the development of this JSA.		
I have been given the opportunity to comment on the content of this JSA.		
I have been supplied with the Personal Protective Equipment identified on this JSA and I have been given training in the safe use of this equipment.		
I have read and understand how I am to carry out the activities listed in this JSA.		
I have read and understand the requirements set out in the Material Safety Data Sheets for the Hazardous Substances identified in this JSA.		
I understand that a Class B HPWJ must only be used by operators who have been deemed competent by a Registered Training Organisation in line with AS 4233.1		

NOTE: Work must be performed in accordance with this JSA. This JSA must be kept and be available for inspection until the work to which this JSA relates is completed. If the JSA is revised, all versions should be kept. If a notifiable incident occurs in relation to the work in this JSA, the JSA must be kept for at least 2 years from the date of the notifiable incident

Name	
Signature	
Date	

Name	
Signature	
Date	

