Chemical Baths and V	ats SAFE WORK METHO	D STATEMENT (SWMS)							
TASK	OR ACTIVITY: Chemical Baths a	nd Vats							
Business Name: [Company Name]		ABN: [ABN]	SWMS#						
Business Address: [Company Address]									
Contact Person:	Phone: [Phone]	E. pil:							
THIS SAFE WORK METHOD STATEMENT IS APPROVED BY THE PLOT OF THE PROJECT									
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	icting a business or undertaking (k BU) is	required to thurs at a safe work method s	statement (SWMS) is prepared before						
Full Name:									
Signature:		Title:	Date:						
Details of the person(s) responsible for ensuring implementation, monitoring	compliance of the SWMS well as review	vs and modifications of the SWMS.							
Full Name:		Title:	Phone:						
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N TE AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	ALL RELEVANT PERSONNEL WHO HAVE B OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND						
Safety meetings or toolbox talks will be sched ed in accordance with regislative requirements to first identify any site hazards, conditioned in the those hazards and then to further take steps to either the steps to either th	NAME	SIGNATURE	DATE						
If an incident or a near miss occurs, all work must study unately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.									
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.									
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.									



CLIENT OR PRINCIPAL CONTRACTOR DETAILS											
Client:					SCOPE OF WORKS						
Project Name:							rk being carried out (otherwise				
Project Address:				k	nown as scope of works).						
Project Manager:											
Contact Phone:											
Project Manager	Signature:										
Date SWMS supp	olied to Project Manag	er:									
		ANY HIG	H-RISK CON YUCI	N. JRK BEING	ARRIED OUT						
involves a risk of	a person falling more than	2 meters.		is carried out on or	is carried out on or near pressurised gas mains or piping.						
is carried out on a	a telecommunication tower.			☐ is carried out on or near chemical, fuel or refrigerant lines.							
involves demolition	on of an element of a struct	ure that is load-be		☐ is carried out on or near energised electrical installations or services.							
involves demolition	on of an element related to	the physical integrit of a s	17 e.	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporal upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
is carried out in o	r near a confined space.			is carried out in an area of a workplace where there is any movement of powered mobile plant.							
is carried out in/n	ear a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
is carried out in o	r near water or other liquid	that involves a risk of drow	ning.	involves diving wo	k.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY						
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift				
Trencher	Drilling Rig	Trucks	Formwork	Bobcat	Flammable Gas	Fuel	Dozer				
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -					







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Chemical exposure, slip and fall accidents	ЗН	 Proper Training: Ensure that all workers handling chemicals in the workplace have received necessary training and are familiar with the usards associated with the chemicals as well as the appropriate safety proceases. Personal Protective Equipment (PPE): Workers must wear appropriate PPE such as gloves, safety goggles, face shields, and perical remeant clothing when working with chemicals to minimise exposure ks. Material Safety Data Sheets (MSDS): Access to ISDS for all to zardous chemicals must be provided on-site, and employees should be familiar but their contents and follow the recommended safety becautions. Chemical Store - Store - zardous chemicals in designated areas with adequate ventilation, the erature could, and way from accompatible substances to prevent accidental spuror reaction. Labers' Ensureally emicals and containers used for baths and vats are clearly labelle. Unit their metents and hazard warnings. Proper Weignation: - culate fresh air throughout the workspace to help reduce the concent tion wairbon, contaminants. Spill Containment Kits: Ensure that spill containment kits are readily available onsure as of accidental spills, and workers are trained in their proper use. Non-slip Flooring: Install non-slip flooring in chemical work areas to prevent slips and falls caused by wet surfaces or chemical spillage. Emergency Procedures: Establish and enforce clear emergency response procedures, including evacuation plans, in case of chemical exposure or other workplace accidents. Train all employees on these guidelines and conduct regular drills to ensure preparedness. 	2M	
2. Personal Protective Equipment (PPE)	Inadequate PPE, improper fit	2M	 Ensure a thorough risk assessment is conducted specifically for the chemical substances used in baths and vats, identifying necessary PPE based on manufacturers' safety data sheets (SDS) as well as workplace conditions. Implement a standardised PPE selection protocol to cater to different types of chemicals and processes, outlining the specific type of gloves, goggles, aprons, respirators or other equipment required for handling each chemical. Provide comprehensive training to all workers involved in handling chemical baths and vats, covering PPE selection, proper fit, usage, maintenance, inspection, and disposal. Establish a regular schedule for inspecting PPE, including monitoring instances of damage, wear or inadequate fit, with a centralized reporting system to track PPE-related incidents. 	1L	



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE		 SPECIFIC MEASURES TO BE POT IN PLACE TO ELIMINATE OR CONTROL THE RISKS Ensure fitted and individualized PPE is available for all employees working with chemical baths and vats, considering factors like size, gender, and potential allergies to materials that may come into contact with the skint. Place visible signage near chemical vats or back, indicating the required PPE for handling specific chemicals and ensuring values are alerted before commencing work. Develop and enforce disciplinary action, up to connect during termination, for repeated or egregious violations of PPE requirements and associated safe work procedures. Implement a buddward on or pair checks, where values monitor one another for appropriate PPE and and a contrary issues to supervisors. Consider intermenting at the vender mean we system, where workers can access tequire terms using their unique pentification and have a record of when and the PPE and the PPE protocols in response to technological advancement or charter in handling procedures or chemical composition. Sched the regular toolbox talks promoting the importance of adequate and properly have PPE share examples of incidents where incorrect PPE usage led to access the ding chemical baths and vats to identify areas for potential improvement within 		NAME OF PERSON
	G		the current PPE practices. - Ensure all supervisors and managers are well-versed in PPE requirements and have a comprehensive understanding of the organisation's WHS policies, enabling them to lead by example and encourage a strong safety culture among workers.		
			- Proper ventilation: Ensure that the mixing area is well ventilated to disperse hazardous fumes and minimise the risk of inhalation by workers.		
			- Personal Protective Equipment (PPE): Provide appropriate PPE such as chemical- resistant gloves, safety goggles, and respiratory protection to prevent contact with harmful substances.		
3. Chemical Mixing	Exothermic reaction, hazardous fumes	4A	 Training and supervision: All workers involved in the chemical mixing process should receive proper training and be supervised by qualified personnel to ensure safe handling practices. 	2M	
			 Material Safety Data Sheets (MSDS): Ensure that MSDS for all chemicals being mixed are readily available and properly understood by workers to identify any potential hazards related to the chemicals. 		
			- Temperature monitoring and control: Implement continuous temperature monitoring and control systems to prevent exothermic reactions and overheating of the chemical mixture.		



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
			- Emergency response plan: Develop a comprehensive emergency response plan in case of spills, fires, or other incidents involving the chemicals being mixed. Regularly conduct drills to familiarise workers with the appropriate response procedures.		
			- Safe storage and handling of chemicals: Store demicals in their designated areas and clearly label containers to avoid confuse a during the mixing process. Ensure proper handling of chemicals during transportion and posal.		
			- Mixing procedures and equipment: Establish and uxing procedures, including step-by-step instructions and opecified mixing the storeducer wrisk of incorrect mixtures or dangerous reaction. Use only designed tooler and equipment suited for the task.		
			- Alarms and shown device: Insue alarms and entomatic shut-off devices in the event of an analysive increase in the perature operative build-up during the mixing process.		
			- Clean prking virgin enert: Maintain a clean and clutter-free workspace to prevent accide to pills on intamination.		
			- Period pilot actions and maintenance: Conduct regular inspections of equipment and fact lies to insure this safe and efficient operation. Schedule maintenance stivities is required to prevent deterioration or malfunction.		
4. Filling Vats	Manual handling injuries, the with chemicals	ЗН		2M	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
5. Monitoring Process	Heat exposure, electrical hazards	2М		1L	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
6. Inspections	Maintenance hazards, confined spaces	ЗН		1L	

Version 2.5



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
7. Sample Collection	Chemical exposure, sharps injuries	2M		1L	

Version 2.5



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
	S				
8. Maintaining	Burns, equipment malfunction	2M		1L	

Version 2.5



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
9. Adding & Removing Chemicals	Spillages, chemical bure	31		2М	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
10. Cleaning Vats	Confined space, residual chemicals	ЗН		2М	

Version 2.5



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
11. Emptying Waste	Environmental contamination, spillages	2М		1L	

Version 2.5



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
12. Documentation & Compliance	Incorrect record keeping, missing reports	1L		1L	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON



EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE F	REFERENCES					
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE						
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Octupational Health an Safety Acta 04 Octupational Health and onfety regulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulatupes</u> Codes of mactice VIC <u>attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>					
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: <u>https://www.safework.nsw.gov.au/legal-obligations/legislations/legis</u>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>					
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 201. Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/formed-compliance/workplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/formed-compliance/workplace-serve-ser	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>					
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_saces/codes-of-practice#COPs</u>	Model Codes of Practice - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes					
Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 First aid in the workplace Managing the risk of falls at workplaces Hazardous manual tasks Managing the risk of falls in housing construction Managing electrical risks in the workplace Demolition work Excavation work 					
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	 Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 					

- Any required documents.



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to revised if necessary) if relevant control measure are subcontract of the SWMS and their health and safety representatives who reworkplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who recented that work group at the

When the SWMS has been revised the PCBU must ensure that all persons involved with the work are advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- 1. Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							

SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
Provides a step-by-step process of tasks required to carry out the activity or task.			
Adequate risk assessment of any identified hazards has been completed.			
Foreseeable hazards are identified and documented for each step.			
Any hazards listed in any site risk assessments have been added to the SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effectine sections.			
Responsible person is assigned and listed on the SWMS for the impement of continue measures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vortat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed at noted on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	