

Robot Sprayer S	SAFE WORK METHOD STA	TEMENT (SWMS)	
Т	ASK OR ACTIVITY: Robot Spray	er	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E 111:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE POST THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (r 3U) is	required to ture at a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	ompliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE B PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with agislative requirements to first identify any site hazards, conditions those hazards and then to further take steps to either the conditions are or conditions.	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must structurately. 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.			



		CL	IENT OR PRINCIPAL	CONTRACTOR D	DETAILS			
Client:						SCOPE OF WORKS		
Project Name:				Provide a detailed description	n of the specific work being	carried out (otherwise		
Project Address:				known as cope of works).				
Project Manager:								
Contact Phone:								
Project Manager Sig	gnature:							
Date SWMS supplie	ed to Project Manager:							
		ANY HIGH	RISK CON PUCT	N' JRK BEING	CARRIED OUT			
Date SWMS supplied to Project Manager: ANY HIGH-RISK CON involves a risk of a person falling more than 2 meters. is carried out on a telecommunication tower.			is carried out on	or near pressurised gas mains	s or piping.			
				is carried out on or near chemical, fuel or refrigerant lines.				
☐ is carried out on a telecommunication tower. ☐ involves demolition of an element of a structure that is load-be no				is carried out on	or near energised electrical ins	stallations or services.		
☐ involves demolition of	of an element related to the	e physical integrit of a str	3	is carried out in	an area that may have a conta	minated or flammable atmo	sphere.	
☐ involves, or is likely t	o involve, disturbing a es	stos.		☐ involves tilt-up o	r precast concrete.			
☐ involves structural al	teration or repair that re	mporal, upp to p	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.				
is carried out in or ne	ear 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/near	a shaft or trench deeper th	nan 1.5m or tunnel involvir	ng use of explosives.	is carried out in	areas with artificial extremes of	f temperature.		
is carried out in or ne	ear water or other liquid tha	at involves a risk of drowning	ng.	involves diving v	vork.			
		ANY H	IGH-RISK MACHINER	RY OR EQUIPMEN	NT 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 -		





FOOT HAND **HEAD HEARING** SPIRATORY FACE HIGH-VIS **PROTECTIVE** FALL SUN HAIR/JEWELLERY CLOTHING **PROTECTION PROTECTION** PROTECTION **PROTECTION** PROTE DTECTION **PROTECTION** CLOTHING **PROTECTION PROTECTION SECURED**

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

Note: A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. 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: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



4

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	Electric shock, Chemical exposure	2M	 Ensure that all team members are familiar with the equipment being used, such as robot sprayers and power connections, to minimise the risk of electric shock. Always wear appropriate personal protective supment (PPE) such as gloves, safety goggles, and face masks to protect a unist chemical exposure. Conduct a thorough inspection of all electric sequipment and cables before use to identify any signs of damage or wear that could be an electric shock. Store chemicals in clearly knolled containers we accurate the ard information for easy identification and handlin. Ensure that a Manage and sty Day Sheet (MSDS) is available for each chemical to provide approrque information regulting the set mandling and storage. Establish down ated are of or mixing the actoring chemicals to ensure they are contracted within a copt and environme and away from other work steps that may result an actric sounds. Creat an uniforce strict maintenance schedule for robot sprayers and related equipment, in uding its lar inspections and repairs as needed. Train we kers chandle emergencies properly, such as immediate first aid results are relected shock or dealing with accidental chemical spills or splashes. Set up, the eventilation systems within the workspace to help disperse and haust any harmful chemical fumes. Unise non-conductive tools and equipment when working near live electricity to reduce the potential for an electric shock. Implement a lockout/tagout procedure for situations where robots must be powered down during maintenance or troubleshooting. Develop clear communication protocols between team members responsible for the different aspects of the project, such as those managing electrical connections and those handling chemicals. Keep all extension cords and power outlets clear of chemicals and other potential hazards to minimise the chance of electrical short-circuiting and electric shock incidents. Con	1L	
2. Testing equipment	Equipment malfunction, Fire	3H	Regular maintenance checks: Ensure that the Robot Sprayer is subjected to routine maintenance checks following the manufacturer's guidelines, including software and hardware components, to minimise equipment malfunction risks. Emergency protocols: Establish clear emergency protocols for staff members to follow in case of an equipment malfunction or fire, including appropriate shutdown procedures and evacuation routes.	1L	



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			- Fire extinguishers: Equip the workspace with appropriate firefighting tools, like fire extinguishers and fire blankets, strategically placed within easy reach to control small fires effectively during a fire incident.		
			- Personal Protective Equipment (PPE): Required personnel involved in the testing process to wear appropriate PPE such as early glasses, cloves, and protective footwear, reducing the risk of injury due to be functioning equipment.		
			- Clear workspace: Ensure that the testing are par of any flammable materials or debris, reducing the likelihood of fire damage hazards.		
			- Proper training: Provide thore the training to all encovery working with the Robot Sprayer on safe hard supperation, and troubleshood procedures to minimise human error, leasing to exponent all function or accidents.		
			- Ventilation, sure proper entilation the sting area to maintain air quality and reduce the accomplishing combustible ses or dust, decreasing the chances of fire in the state.		
			- Electrical offety positions: Perform thorough inspections of power outlets, cords, and electrical connecting used during the testing process to ensure they are reliable and section, respectively.		
	•		strict ccess imit access to only authorised personnel during the testing phase to make its distractions and ensure that everyone present understands the ssocial lisks and safety measures in place.		
			- sident reporting and continuous improvement: Encourage employees to report any issues or concerns related to the Robot Sprayer's functioning promptly. Use this information to identify potential problems and review processes regularly, implementing improvements to ensure optimal safety and performance over time.		
			- Clearly mark designated walking paths and areas within the workspace, keeping them clear of any equipment or materials that may cause a trip or fall hazard.		
			- Install guardrails, barriers or appropriate signage to identify potential trip and fall hazards, such as uneven surfaces, pits, holes or other dangerous areas.		
2. Catur warkeness	Trip and fall harranda. Floatrical harrand	OM	- Ensure proper storage of all hoses, cables and wiring, by using cable covers, cable organizers and tie-downs in order to eliminate any potential trip hazards.	41	
s. Selup workspace	3. Setup workspace Trip and fall hazards, Electrical hazard	2M	- Provide adequate lighting in the workspace to ensure visibility of potential trip and fall hazards, as well as clearly display warning signs and hazard markings.	1L	
			- Use non-slip flooring material where possible and keep workspaces clean and free from spillages and debris to minimise slip and fall risks.		
			- Conduct regular inspections and maintenance checks on electrical equipment and machinery, including checking for damaged wires, faulty insulation or exposed live components.		



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			- Implement an isolation procedure (using Lock Out, Tag Out methods) to ensure that equipment is made safe before carrying out electrical work, preventing accidental energization of the equipment.		
			- Always use Ground Fault Circuit Interrupters (CIs) or Residual Current Devices (RCDs) for temporary electrical power source in the workspace to prevent electrical shock incidents.		
			- Provide Personal Protective Equipment (PPE as as safety boots with slip- resistant soles, safety glasses and insulated glot to safeguar against trips, slips and electrical hazards.		
			- Train all workers or the rd ide fication, risk mitigating, safety procedures and emergency response procedures in a stion to trip and fall, as well as electrical hazards during an esset-up to he would be accedured.		
			- Establish and aintain efficient commication system among all stakeholders, include worker and visors and management, to address any potential hazards, incide a concerpromptly and effectively, ensuring continuous improvement in workpluse fety.		
4. Mixing chemicals	Chemical burns, Inhalati	ЗН		2M	



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5. Loading robot sprayer	Back strain, Crush injury	ЗН		1L	



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6. Start spraying process	Chemical spray drift, Noise pollution	2M		1L	



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7. Monitor robot sprayer	Collision with machinery, Moving parts entanglement	2M		1L	



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8. Refilling chemical containers	Chemical spillage, Exposure to chemicals	3.		2M	



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9. Perform maintenance on the robot sprayer	Electrical hazards, Accidental activation	ЗН		1L	
10. Cleaning workspace	Slips due to wet floors, Misuse of cleaning products	2M		1L	



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11. Storing chemicals	Incorrect storage, Leaking containers	31		1L	



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12. Robot shutdown and disassembly	Pinch points, Electrical hazards	3H-		1L	



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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 REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF AT ARE NOT APPLICABLE.

Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws

Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-or racti

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/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/5

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/legislation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

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/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

Victoria

Occupational Health al. Safety Act 34

Occupational Health and afety gulations 2017

Legis on VIC: https://www.safe.vic.gov.au/occupational-health-and-safety-act-and-

<u>qulat.</u>

des on actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

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
- 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
- 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



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.

Tollow ally sale work instructions which are provided, and agrees to use an reisonal riotective Equipment where appropriate.								
Worker Name	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
				_				
				Date				
				l te:				
			AV	Date:				
				Date:				
				Date:				
	Date:							
		SAF WO A S	THUD STATEMENT	MONITORING AND	REVIEW			
The SWMS must be reviewed regularly to the ke sure it remains effective and must be reviewed (and revised if necessary) if relevant control measurements are subcontracted by process should be carried out in consultation with workers (including contractors are subcontracted)) who may be affected by the operation of the SWMS and their health and safety representatives who researched that work group at the workplace. 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				An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures				
them to understand and imp					tently developing ever-imp	3 ,	· '	
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 P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.	P		
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 effecting so tions.			
Responsible person is assigned and listed on the SWMS for the imperent of continue assures.			
Permit requirements specified, such as Hot Work, Veralt Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed are 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.			
dentifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE CO	MPLETED	