Implementing Drone Technology In Fa	arming Practices. SAFE \	NORK METHOD STATEMEN	T (SWMS)
TASK OR ACTIVITY:	Implementing Drone Technolog	y In Farming Practices.	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E ail:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO	THE PC. YOF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	ucting a business or und ring (Pu U)	is required to en that a safe work method	statement (SWMS) is prepared before
Full Name:			
Signature:	NK	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	compliance of the SWN, as well as	reviews and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS VMS	NA - OF ALL RELEVANT PERSON EVELOPMENT AND APPROVAL C	INEL WHO HAVE BEEN CONSULTED AND OF THIS SWMS	COMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched, ed in according with regislative requirements to first identify any site hazards, and the to contain the those hazards and then to further take steps to either eliminate or contail leach hazard.			
If an incident or a near miss occurs, all work must stee an adately. 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:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
☐ involves a risk of a person falling more than 2 meters	d is carried out on or near pressurised gas mains or piping
□ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
□ involves demolition of an element of a structure that is load-bearing	□ is carried out on or near energised electrical installations or services
□ involves demolition of an element related to the physical integritystructure	\Box is carried out in an area that may have a contaminated or flammable atmosphere
□ involves, or is likely to involve, disturbing as the set of the	□ involves tilt-up or precast concrete
involves structural alteration or repair the requires to prary support to prevent collapse	\Box is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
□ is carried out in or near a confined space	\Box 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 the first or tunnel involving use of explosives	\Box is carried out in areas with artificial extremes of temperature.
\Box is carried out in or near water or other liquid that involves a risk of drowning.	□ involves diving work.
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY



RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	2000F			HEIRARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	ACTION		Elimination Remove the bazard	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review befo work starts.		Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.		Isolate People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and ke recorde		Engineering Isolate the hazard.	
Notes on Hiera is the second m Controls by cha method.	Notes on Hierarchy of Controls: Elimination methods are the most effective and preferrence en concerning a hazard. Substitution is the second most effective method of controlling a hazard. Engineering by isolation is the un most encitive, while Administrative Controls by changing the work is the fourth most effective method. PPE (Personal Proter ive mulpment) is the least effective method.									

	PERS_NAL TECTIVE EQUIPMENT (PPE)										
	1	Select the ap	propriate PPL		or the equil	oment used or	the Job task	being pertori	neo (ir applica	ibie).	i.
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	TEARING TION	F' P CTION	R⊾⊸PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE F	Required:										
	Permit or Licenses Requirements					Mandatory Qualifications and Training					



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Lack of operator training, Equipment malfunction	ЗН	 Conduct comprehensive training session and all drone operators to ensure they are familiar with the technology and understand how to opera othe drone afely. Implement a certification process for operation to verify their competency in handling drones and understanding relevant safety regulations. Perform regular maintenance blecks on all drone quies ont to minimise the risk of malfunction during operations. Establish a provident instruction vecklist that cust be completed before each use to identify any potential menanical or technical is uses with e drone. Device standard operating procedule (SOPs) for drone usage, including guidelines for safe operation distance from point, reviews tok, and structures. Ensult there is a fair communication protocol in place between the drone operator and other farm workers o an id miss derstandings and ensure everyone's safety. Use or id drone and equipment that comply with Australian Civil Aviation Safety Authority (CASA) restations and the size of drones being used. Limit drone operation to favourable weather conditions to reduce the likelihood of equipment malfunction or loss of control due to environmental factors. Establish no-fly zones on the farm where drone operation is strictly prohibited due to sensitive areas or high-risk zones. 	2M
			risks and improve future safety measures.	
2. Drone Testing	Collision, Falls from height	3Н	 Conduct a pre-flight safety briefing with all personnel involved in the drone testing. Ensure pilots are adequately trained and certified to operate drones as per regulatory requirements. Establish clear communication protocols between team members during drone operations. Perform a detailed risk assessment before each test flight to identify potential hazards. Implement a strict no-fly zone around populated or sensitive areas to prevent collisions. Use high-visibility vests for crew members to improve visibility while working in testing zones. Inspect drones thoroughly before each use, checking for any mechanical issues or damage. Maintain a safe flight altitude that is appropriate for the testing environment to mitigate collision risks. 	1L

order complete swms

JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Set up physical barriers or exclusion zones around testing areas to prevent unauthorized access.	
			- Equip drones with fail-safe mechanisms such as automatic return-to-home features.	
			- Ensure all equipment used for launching and using the drones is secure and stable to prevent falls from heights.	
			- Implement regular maintenance schedule for even one to ensure they are in optimal working condition.	
			- Develop an emergency restionse plan outlining steps for significant such as drone malfunctions or accidents.	
			- Ensure all personnel conjucting the evaluations are aware of the presence of chemical sprays and understand or risks associated with them	
			- Provide proproduction protective etcoment (PPE) such as masks, gloves, and eyewear to minimise exponent to fail the meals.	
			- Concepting evaluations early in the morning or at specified times when chemical spraying is not scheduled.	
			Check eather conditions to avoid performing site evaluations after recent spraying when residues may sub-each orne.	
		2М	Created distribute an allergen alert informing workers of specific areas where chemical residue is esent.	
			- Ensure first aid kits are stocked with allergy relief medication for workers who may have allergic reactions during site evaluations.	
3. Site Evaluation	Allergies from farm cremical sprays, Trip and fall haza s		- Designate clearly marked walkways free of obstacles and debris to reduce the risk of trips and falls.	1L
	5		- Implement a buddy system during site evaluations so that assistance is available if someone is injured or has an allergic reaction.	
			- Incorporate training for workers to recognise potential trip hazards like uneven surfaces or loose cables.	
			- Use high-visibility tape or markers to highlight potential trip hazards on-site.	
			- Encourage regular communication between team members to report any new trip hazards that may arise during the day.	
			- Install temporary barriers or signage to alert workers to known trip and fall hazards around the evaluation area.	
			- Conduct a pre-evaluation briefing to review the layout of the site and discuss any potential hazards or changes since previous visits.	
			- Record and consistently update a site hazard register, noting both chemical-related and physical trip- related dangers observed during evaluations.	
4. Pre-Flight Check	Damage to drone parts, incorrect settings causing malfunction	3H		2M







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
6. In-flight Operation	Collisions with birds/insects, loss of GPS signal, low battery	4A		3Н
7. Data Capture	Incorrect readings due to sensor issues, data privacy leak	3Н		2M







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
9. Data Downloading	Cybersecurity concerns, Software malfunction	ЗН		2М
10. Data Analysis	Misinterpretation of data outputs, software error	3Н		1L

Version 2.5



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
11. Report Generation	Errors in report generation due to bug in system or incorrect approx			1L
12. Decision Making Based On Report Findings	Poorly informed decision due to errors in data/report	2M		1L

Version 2.5







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
14. Monitor And Maintain Drone Equipment	Electrical malfunction, poor maintenance	ЗН		2М
15. Training As Necessary Based On Operations	Hazard risk due to lack of knowledge or negligence, trainee's resistance to accepting change	ЗН		1L

Version 2.5



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	S			

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 safe ty data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REF	ERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLA	ATIVE REFERENCE IN ANY STATISTICATION 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/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health and Safety Andro004 Occupational Health and Safety Acquisitions 2017 Legislation VIC: <u>https://www.acrksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> design factice 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: https://www.safework.nsw.gov.au/legal-obligations/legis Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legis	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 201 Work Health and Safety (National Uniform Legislation) Regulations 20 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance, prkplate fety-lak Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-reso	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 (S. Legislation for SA: https://www.safework.sa.gov.au/resources_gislation Codes of Practice for SA: https://www.safework.sa.gov.au/wplaces/codes-of-practice#COPs	- 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 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	 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 esfety consultation, cooperation and coordination
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.	 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.

Worker Name	Signature		Date
		•	

SAFE WORK THE S ATEM AT MONITORING AND REVIEW The SWMS must be reviewed regularly to make sure it remain effect. and mu be reviewed (and The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are revised if necessary) if relevant control measures are revised. The s should be carried out in effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The view consultation with workers (including contractors person responsible for monitoring the effectiveness of the Safe Work Method Statement should ntractors nay be cted by the operation of the SWMS and their health and safety representatives who rep sented that work group at the employ a multi-faceted approach which includes but is not limited to: workplace. 1. Spot Checks. When the SWMS has been revised the PCBU must ensure the all versons involved with the work are 2. Consultation with workers, contractors and sub-contractors. advised that a revision has been made and how they can acce the revised SWMS, including all persons 3. Internal audits on a continual basis who will need to change a work procedure or system as a reof the review are advised of the changes in a way that will enable them to implement their duties ntly with the revised SWMS. All workers that An approach of continuous improvement, promptly recording inconsistencies or deficiencies, will be involved in the work must be provided with the relevant information and instruction that will assist followed up by immediate corrective action and consultation with all relevant personnel ensures them to understand and implement the revised SWMS. 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	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
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.	\boxtimes	
Foreseeable hazards are identified and documented for each step.	\boxtimes	
Any hazards listed in any site risk assessments have been added to the SW 5.	\boxtimes	
SWMS initial risk (IR) column as well as residual risk (RR) colume completed.	\boxtimes	
Check control measures added to the SWMS are the most effer we set tions.	\boxtimes	
Responsible person is assigned and listed on the splementa, and control measures.	\boxtimes	
Permit or licenses requirements specified, so in as Hot Work, Electral Work, Work at Heights etc.	\boxtimes	
SWMS identifies plant and equipment to be	\boxtimes	
Details of inspection checks required for any equipment lister ure noted on the SWMS.	\boxtimes	
Describes any mandatory qualifications, experience, ang or skills required to perform the work.	\boxtimes	
Applicable personal protective equipment is selected on the SWMS.	\boxtimes	
Reflects and documents any legislative references and/or Australian Standards.	\boxtimes	
Identifies any hazardous substances used with specific control measures in line with any SDS.	\boxtimes	
REVIEWED BY	DATE REVIEWED	
SIGNATURE	DATE CO	MPLETED