

Rota	ry Tiller Usage Risk Assess	sment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
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THIS RISK ASSESS	MENT IS APPROVED BY THE PCI	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI CIN LCO TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New York			



RISK MATRIX								
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
Risk Rating & Required Action: 4A Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required. 3H Review and approve additional corrols to compare and effective. Proceed with caution; monitor conditions. 2M Ensure all nominated controls are imprace and effective. Proceed with caution; monitor conditions. 1L Proceed, following standard operating procedurer wonitor and keep records. Consequence Scale:						Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment work (2023) and ISO 45001:2018 clauses 6–8.			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
Insignificant No injury no schedule impact Deviation caught and corrected on site								



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	Untrained personnel, Inadequate tools	ЗН	 Ensure all operators have received proper training on the use of the rotary tiller Verify that all tools and equipment are in good working condition before use Conduct a briefing session outlining standard procedure and safety protocols Ensure all operators wear appropriate person projective equipment (PPE) Utilise a checklist to confirm all preparation step, are complete satisfactorily Ensure safety signs are visible and correct warning are provided Verify that first an equipment is unilable and accessible Check weare conditions are suitable for one ating the tiller Companying the suitable procedure same to all personnel Companying the tiller's operating manual 	1L
2. Site Inspection	Uneven terrain, Obstact	31	 Condult a twopugh hypection of the worksite to identify uneven terrain and potential obstacles Fork an remove any obstacles that could interfere with tilling operations Ensure propriate lighting for visibility when inspecting the site Lap out a clear pathway for tiller operations avoiding uneven areas Verify the weight-bearing limits of the soil to prevent equipment sinking Communicate terrain challenges to all team members Use suitable tools to level minor uneven areas where possible When removing obstacles, use appropriate lifting techniques to avoid injury Update the site plan with any changes identified during inspection Conduct a final walkthrough to ensure all hazards have been addressed 	2M
3. Equipment Setup	Mechanical failure, Electrical hazards	4A	 Check the rotary tiller for any mechanical issues before operation Ensure all safety guards are installed and functioning properly Verify that power connections are secured and free of damage Conduct a walkthrough of the setup procedures with all team members Ensure only qualified personnel make adjustments to equipment Follow manufacturer's guidelines for setup Use lockout/tagout procedures when performing maintenance Inspect electrical connections and ensure they are waterproof if necessary 	2M



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			- Confirm all switches and controls are in the 'off' position before initiating setup	
			- Maintain an equipment log to document any issues found and rectified	
4. Briefing and Planning	Miscommunication, Inadequate planning	ЗН		1L I
5. Starting Equipment	Equipment malfur upon, Operator error	44		2М
6. Operating Tiller	Flying debris, Contact with rotating parts	4A		2M



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7. Monitoring Operations	Overloading, Equipment malfunction	ЗН		2M
8. Adjusting Equipment	Improper adjustments, Pinch points	ЗН		1L
9. Emergency Shutdown	Delayed response, Technological failures	4A		2M

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10. Refuelling Machine	Fire hazard, Spillage	4A		2M
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	7			
	Injuries during maintenance, Fault			
11. Maintenance Check	Injuries during maintenance, Fault repairs	3Н		1L
12. Cleaning Equipment	Chemical exposure, Slip hazard	ЗН		1L



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13. Post-operation Inspection	Overlooked damages, Equipment misalignment	ЗН		1L
14. Logging and Reporting	Data entry errors, Incomplete log entries	2М		1L
15. Debrief and Review	Lack of feedback, Misinterpretation of incidents	2M		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.

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	LATIVE 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: 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/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Octopational Health and Safety Action of Octopational Health and Safety Action of Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulatures</u> Codes of coactice VIC <u>Cuttps://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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u>	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> Model Codes of Practice					
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_aces/codes-of-practice#COPs</u>	 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/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 Weiding 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 					
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	 Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 					

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