

Boom	Spray Operation Risk Asse	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
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THIS RISK ASSESS	MENT IS APPROVED BY THE PCI	BU ON Y 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:
CLY	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
Assist Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional controls the proceed with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer Monitor 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		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution		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		
			no schedule	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	Incorrect PPE usage, Chemical spills	ЗН	Provide training on PPE usage and its importance Ensure availability of suitable PPE Conduct pre-operation briefing on chemical andling Maintain safety data sheets on-site for all chemal Perform routine checks on eccipment and storage ureas Develop spill response procedures and ensure reactions Ensure proper latenage on themals Establish deternated storage areas in chemators Restrict access in chemical storage area Regular by review an update preparation procedures	2M
2. Transportation to Site	Equipment fall off vehicle Traffic accidents	23	Secure valip, and with caps and locks during transport a paper priate whicles for equipment weight and size Conducted trip inspections of vehicle and equipment usure all drivers are licensed and trained in equipment transport Adwere to all road safety rules and speed limits Plan travel route to avoid high-traffic periods Install visibility aids on transport vehicles Establish emergency procedures for transport incidents Perform pre-departure checks of transport vehicles Limit driver shifts and ensure adequate rest periods	2M
3. Unloading Equipment	Manual handling injuries, Equipment damage	ЗH	Use mechanical aids for heavy equipment unloading Train workers in correct manual handling techniques Employ enough personnel for unloading tasks Conduct equipment checks prior to unloading Develop a site-specific unloading plan Ensure clear communication between personnel Exclude unauthorised personnel from unloading area Perform regular maintenance checks on unloading aids	2M



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			Provide ergonomic assessments to minimise injury	
			Implement safety signage at unloading zones	
4. Site Assessment	Uneven terrain, Chemical exposure	ЗН		2M
5. Equipment Setup	Mechanical failure improper setup	44		3Н
6. Operation Start-Up	Poor visibility, Unexpected weather changes	ЗН		2M



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7. Mixing Chemicals	Inhalation of fumes, Chemical burns	4A		3H
8. Calibration Check	Dose miscalculative Equiremalfunction	вн		2M
9. Conduct Boom Spraying	Inhalation of spray, Drift onto non-target areas	4A		ЗН

Version 2.5



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10. Monitoring and Adjustments	Inaccurate monitoring, Delayed response to issues	ЗН		2M
11. Shut Down Equipment	Residual pressure, Electrical hazard	ЗН		2M
12. Equipment Cleaning	Chemical exposure, Slips and trips	ЗН		2M



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13. Post-Operation Review	Inadequate reporting, Missed incidents	ЗН		2M
14. Equipment Maintenance	Mechanical breakdown, Hnauthoning modifications	ЗН		2M
15. Storage of Equipment	Theft, Weather damage	ЗН		2M

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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 REF						
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: 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	Victoria Octopational Health an estate vice of a constraint of the second secon					
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</a>	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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weiplace-sector-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations/compliance/weiplace-sector-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>					
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>	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 - Einst eid in the workplace					
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and eaferty consultation, construction and coordination</li> </ul>					
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.	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>					