

Environics Asbestos Assessor Activities - Safe Work Method Statement (SWMS)



Project No:	Asbestos	Work Activity:	Assessment of Contaminated (asbestos) Land	Site/Location:	Richmond Hospital, Qld (February – March 2019)	Rev No:	01
Review Date:	May 2019	SWMS No:	D10206-1				

Approved By Environics Representative							
Name	Lawrie Lyons		Position	Asbestos Assessor	Signature		Date 05-01-2016

Approved By Main Contractors Representative							
Name			Position		Signature		Date

Qualifications and Competency							
<input type="checkbox"/>	Crane	<input type="checkbox"/>	Traffic Management	<input type="checkbox"/>	Scaffolding	<input type="checkbox"/>	Drivers Licence
<input type="checkbox"/>	Roller	<input type="checkbox"/>	Skid Steer	<input type="checkbox"/>	Demolition Certificate	<input type="checkbox"/>	Exclusion Zone Safety Observer
<input type="checkbox"/>	Loader	<input type="checkbox"/>	Tip Truck	<input type="checkbox"/>	Confined Space Competency	<input type="checkbox"/>	Voltage Safety Observer
<input type="checkbox"/>	Grader	<input type="checkbox"/>	Concrete Boom	<input type="checkbox"/>	Rigging Certificate	<input checked="" type="checkbox"/>	Asbestos Assessor
<input type="checkbox"/>	Backhoe	<input type="checkbox"/>	Excavator	<input type="checkbox"/>	Dogging Certificate	<input checked="" type="checkbox"/>	Environics Hygiene Technician Course
<input type="checkbox"/>	Scrapper	<input type="checkbox"/>	Compactor	<input type="checkbox"/>	Working at Heights Competency	<input type="checkbox"/>	
<input type="checkbox"/>	Dozer	<input type="checkbox"/>	Elevated Work Platform	<input type="checkbox"/>	Heavy Vehicle Licence	<input type="checkbox"/>	

Required Resources [add additional resources as applicable]											
Permits/Approvals/ Procedures		Plant		Tools/ Equipment		Tagging and Signage		Minimum Required PPE			
<input type="checkbox"/>	Confined Space	<input type="checkbox"/>	Excavator	<input checked="" type="checkbox"/>	Air Sampling Pumps	<input type="checkbox"/>	Men Working Above	<input type="checkbox"/>	Safety Harness	<input checked="" type="checkbox"/>	Trousers
<input checked="" type="checkbox"/>	Ready for Inspection Notification	<input type="checkbox"/>	Backhoe	<input type="checkbox"/>	Plate Compactor	<input checked="" type="checkbox"/>	Assessor Signage	<input type="checkbox"/>	Static Line	<input checked="" type="checkbox"/>	High Vis Clothing
<input type="checkbox"/>	Hot Works	<input type="checkbox"/>	Crane	<input type="checkbox"/>	Welding Machine	<input type="checkbox"/>	Flagging	<input checked="" type="checkbox"/>	Safety Boots	<input type="checkbox"/>	Airline
<input type="checkbox"/>	Dial Before You Dig	<input type="checkbox"/>	Roller	<input type="checkbox"/>	Drill	<input type="checkbox"/>	Personal Locks	<input checked="" type="checkbox"/>	Hard Hat	<input checked="" type="checkbox"/>	Respirator
<input type="checkbox"/>	Excavation	<input type="checkbox"/>	Hiab/Loading Crane	<input type="checkbox"/>	Grinder	<input type="checkbox"/>	Personal Danger Tags	<input type="checkbox"/>	Tinted Goggles	<input type="checkbox"/>	Welding Coat
<input type="checkbox"/>	Traffic	<input type="checkbox"/>	Grader	<input type="checkbox"/>	Wacker Packer	<input type="checkbox"/>	Out of Service Tags	<input checked="" type="checkbox"/>	Safety Goggles	<input checked="" type="checkbox"/>	Safety Gloves
<input type="checkbox"/>	Working at Heights	<input type="checkbox"/>	Skid Steer	<input type="checkbox"/>	Quick cut saw	<input type="checkbox"/>	Traffic Control	<input type="checkbox"/>	Hearing Protection	<input type="checkbox"/>	Leather Gloves
Permits/Approvals/ Procedures		Plant		Tools/ Equipment		Tagging and Signage		Minimum Required PPE			
<input checked="" type="checkbox"/>	PERforM	<input type="checkbox"/>		<input type="checkbox"/>	Rescue Equipment	<input type="checkbox"/>		<input checked="" type="checkbox"/>	Drinking Water	<input type="checkbox"/>	Safety Glasses
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Tinted Safety Glasses

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Risk Matrix

L = Likelihood of Occurrence RR = Risk Rating
C = Consequence Severity Level

			Consequence Severity Level				
			1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
Impact	Harm to person/s		First aid only	Medical treatment	Lost time injury	Fatality	Multiple Fatalities
	Environmental harm		Environmental nuisance	Minor reversible impact	Reversible impact	Serious reversible impact	Irreversible impact
	Damage to property or plant		Less than \$5,000	\$5,001-\$20,000	\$20,001-\$99,000	\$100,000-\$1,000,000	Over \$1,000,000
	Cost of other loss, including NCRs		Less than \$5,000	\$5,001-\$20,000	\$20,001-\$99,000	\$100,000-\$1,000,000	Over \$1,000,000
	Client relationship		N/A	N/A	Client complaint	Multiple client complaints	Termination of service
	Community complaints		N/A	Individual verbal complaint	Formal written complaint	Local media coverage	National media coverage
	Statutory or legal breaches		N/A	N/A	Notice from statutory Authority, legal entity or external auditor	Legal costs incurred or loss of accreditation	N/A
Likelihood of Occurrence	A	Event almost certain to occur	High (11)	High (16)	Extreme (20)	Extreme (23)	Extreme (25)
	B	Event likely to occur	Medium (7)	High (12)	High (17)	Extreme (21)	Extreme (24)
	C	Event possible to occur	Low (4)	Medium (8)	High (13)	Extreme (18)	Extreme (22)
	D	Event unlikely to occur	Low (2)	Low (5)	Medium (9)	High (14)	Extreme (19)
	E	Rare—only in exceptional circumstances	Low (1)	Low (3)	Medium (6)	High (10)	High (15)

Hierarchy of Controls

Guidance for Use: 'The Hierarchy of Controls' is to be considered when determining the appropriate control measure required to mitigate the risk associated with the work being performed. Users are to consider the highest order controls first (elimination → PPE), or use a combination of controls to appropriately manage the risk.	Order	Hierarchy of Controls	Example of Controls
	1	Elimination	Design or construction methodology alterations
	2	Substitution	Alternative chemicals, plant or equipment
	3	Isolation	Separating the source of harm from people by distance or using barriers
	4	Engineering	Mechanical devices such as trolleys or hoists to move heavy loads
	5	Administration	Work procedures and training

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	6	Personal Protective Equipment	Safety goggles/respirators/protective clothing
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Job Step	Hazard(s)	Initial Risk Rating			Control Measures (consider hierarchy of control)	Controlled Risk Rating			Person(s) Responsible
		L	C	RR		L	C	RR	
<ul style="list-style-type: none"> Pre Start 	<ul style="list-style-type: none"> Miscommunication Unfamiliar with work methodology Assessment Reporting 	C	3	H13	<ul style="list-style-type: none"> Assessor and Technical Assistants previously inducted by and for the scheme to be utilised for the works Lawrie Lyons to brief Supervisors and Operatives on his review of ARCP, SWMS, work methodology & expected timeframes/targets of assessment. Assessor and Technician with relevant industry induction cards (Blue/White Cards) and Class A training to be utilised for the works; All persons carrying out task have been involved in SWMS/JSA process. Only an Assessor that is licensed may provide an assessment report to the Supervisor or others. 	D	3	M9	Lawrie Lyons
<ul style="list-style-type: none"> Set up of exclusion zone Signage and barricades 	<ul style="list-style-type: none"> Slips, Trips & Falls Unauthorised Access in to Asbestos Work Area 	C	2	M8	<ul style="list-style-type: none"> Inspection of work site as clear of rubbish, debris, tools and equipment. Inspections to ensure all works is carried out within designated area. Inspection of barrier tape that defines Asbestos Work area 'Asbestos Work Being Carried Out' inspection of warning signs 	D	2	L5	Lawrie Lyons
<ul style="list-style-type: none"> Inspection of waste transit routes 	<ul style="list-style-type: none"> Unauthorised access during transiting Breach of asbestos waste parcels/sacks whilst transiting 	B	3	H17	<ul style="list-style-type: none"> Transit route and best practice standards to be agreed prior to works commencing to minimise contact with staff or the public via hospital roads Transit route to be inspected by Assessor prior to commencing waste transit Waste management (contaminated land remains onsite) 	D	3	M9	Lawrie Lyons

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<ul style="list-style-type: none">Instruments and devices used for asbestos assessments	<ul style="list-style-type: none">Operating correctlyFlow rates and duration of sampling adequate	B	3	H17	<ul style="list-style-type: none">Inspect instruments and devices using for occupational hygiene monitoring before useUse flow rate calibrator to ensure flow rates correct	D	3	M9	Lawrie Lyons		
<ul style="list-style-type: none">Carry out pre-start walkthrough inspection	<ul style="list-style-type: none">Slips, Trips & FallsFall from heightDisturbance & migration of asbestos fibresPersonel decontamination	C	3	H13	<ul style="list-style-type: none">Ensure lighting is adequate for removal worksEnsure access to work area is appropriate for taskSet up air monitoring sampling pumps in appropriate locations that do not create trip hazards or obstructions	D	3	M9	Supervisor and Lawrie Lyons in so far as assessment requirements		
<ul style="list-style-type: none">Use of Asbestos PPE/RPE	<ul style="list-style-type: none">Incorrect/ineffective use	C	4	E18	<ul style="list-style-type: none">All persons on worksite to completed asbestos awareness trainingDaily inspections of RPE carried out by SupervisorMonthly inspections to RPE carried out by Competent PersonNew filters to be uissued on a daily basis & issue records keptAll Operatives using RPE to be clean shaved and using the correct/suitable respirator for the taskOnly disposable coveralls to be used which will be disposed of as asbestos wasteNo disposable RPE to be used (silicone re-usable masks ONLY)	E	4	H10	Supervisor Operatives		
<ul style="list-style-type: none">Personel decontamination	<ul style="list-style-type: none">Migration of asbestos fibresInproper/ineffective decontamination procedures being followed	B	4	E21	<ul style="list-style-type: none">Only A licensed Asbestos Assessor to be utilised to provide advice in relation to migration of asbestos related incidents, and recommendations in relation to decontamination.	D	4	H14	Lawrie Lyons		
<ul style="list-style-type: none">Clearance Inspection & Certification	<ul style="list-style-type: none">Slips, trips and falls from heightIncomplete worksUnauthorised access by	C	4	E18	<ul style="list-style-type: none">Independent Licensed Asbestos Assessor to carry out clearance inspection & tape tests of area following completion of removal and decontamination worksExclusion area/asbestos work area barriers to remain in place	D	4	H14	Lawrie Lyons		

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		construction staff, members of the public and other contractors					until clearance inspection is successfully completed <ul style="list-style-type: none"> Re-occupation of area will not be permitted until confirmation of successful clearance has been received from the Licensed Assessor 				

Emergency Response- Insert emergency response requirements below

Refer to the Breakthrough Emergency Response Plan

Basic steps outlined below:

- Raise the alarm by notifying your supervisor, and Lend Lease Site Manager / Safety Officer immediately, Lend Lease will be responsible for contacting the emergency services 000 (if situation deemed necessary)
- Evaluate the situation and remove any immediate threat to yourself or other personnel
- Evacuate the area where necessary
- All operators and passengers of mobile plant and vehicles are to remain in their vehicles and mobile plant until advised otherwise by emergency services personnel

ENTER ANY ADDITIONAL MEASURES

Legal and Other Requirements

(Tick the state this activity is being undertaken in and enter other known requirements applicable to the task at hand, including environmental legislation)

<input checked="" type="checkbox"/> QLD	<input type="checkbox"/> NSW	<input checked="" type="checkbox"/> NT	<input type="checkbox"/> VIC	<input type="checkbox"/> WA	<input type="checkbox"/> SA	<input type="checkbox"/> ACT	<input type="checkbox"/> TAS
How to Safely Remove Asbestos COP 2011							
How to Manage Asbestos in the Work Place							
Managing Hazardous Chemicals							

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Managing the Work Environment							
How to Manage WHS Risks							

EnviroNics Safe Work Method Statement (SWMS) / Job Safety Analysis (JSA)

TRAINING SIGN-OFF

I/We acknowledge I/We have had input into the development of, fully understand, and agree to abide by the control measures set out in this SWMS/JSA.

[illegible]