

Site Job Safety Analysis (JSA)
SAFE WORK METHOD STATEMENT

JSA No: 05.2 Rev: 15.04.2011 Date: 14.05.2010 Prepared by: Phil Martin/ Work Safe in Business Approved for site: Bark Blower supervisor to sign Sign: _____ Date: ____/____/____	Operation of Mobile Pneumatic/ST20 Product Placement Device at Site	Project Name: Site Location
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Job Number	Start Time:	Date:	Vehicle	Supervisor:	Max Length Hose
Company Name:			Product:	Quantities	Depth
Job site address:			Description of Job:	Truck Access:	
Initial Contact Name:	Phone	Site Contact Name:	Phone:	OH&S Induction: Yes / No	Planted Up? Yes / No

Waiting Time Charged @ \$350 per hour _____ Hours Customer Signature _____ Expected Duration of works: 5 working Days

Specific Permits & Training Required to Complete this Task (please X below)	PPE Requirements: (please X below)	Equipment Required: (please X below)	Potential Environmental Hazards (please X below)	Hazardous Materials (please X below)	Emergency Equipment (please X below)
<input checked="" type="checkbox"/> Construction Industry Induction White Card	<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Bark Blower	<input checked="" type="checkbox"/> Air Pollution Dust	Gasoline	Fire Extinguishers
<input type="checkbox"/> Site Induction/ Toolbox Talk	<input checked="" type="checkbox"/> Steel Capped Boots	<input checked="" type="checkbox"/> Leaf Blower	<input checked="" type="checkbox"/> Spills to ground	Automotive Diesel Fuel	First Aid Kit
<input checked="" type="checkbox"/> Current Drivers Lic of appropriate class to drive truck	<input checked="" type="checkbox"/> Glasses/Goggles	<input checked="" type="checkbox"/> Brooms	<input type="checkbox"/> Spills to water	Revtex Super 2T	Other
<input type="checkbox"/> General sit permit to work	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Rake	<input checked="" type="checkbox"/> Noise Pollution	Other	Other
<input checked="" type="checkbox"/> Signed SWMS all workers	<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Shovel	<input type="checkbox"/> Soil Erosion	Other	Other
Product MSDS	<input checked="" type="checkbox"/> Dust Mask	<input checked="" type="checkbox"/> Bins	<input type="checkbox"/> Hazards to flora and fauna	Other	Other
<input type="checkbox"/> Planter Box Mix	<input type="checkbox"/> Wet Weather Gear	<input type="checkbox"/> Ramp	Applicable Standards and Codes of Practice		
<input type="checkbox"/> Express Blower	<input checked="" type="checkbox"/> Protective Clothing Long Sleeved Shirt and trousers plus high visibility vest	<input type="checkbox"/> Harness	Relevant State OH&S and Workers Compensation Act & Regulations NSW OH&S & Act 2000 and OH&S Regulations 2001		
<input type="checkbox"/> B Horizon	<input checked="" type="checkbox"/> Sun Screen				
<input type="checkbox"/> Turf Underlay	<input type="checkbox"/> Face Shield		Workcover Code of Practice Moving Plant on Construction Sites		

Name (list all persons performing this work below – copy & attach additional sheets as required)			Special Tools	Comments
Date	Name	Signature		

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HAZARD - ASSESMENT FORM

HAZARD (what is the danger associated with the task)	E.S.I.M Eliminate/substitute/ isolate/minimise	ACTION (What are you going to do to manage the Hazard)	BY WHOM	START DATE	FINISH DATE	SIGNATURE (hazard has been managed)

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Step	Job/Task(s) <i>Break job down into steps</i>	Hazard(s) <i>Identify hazards associated with each step, examine each to find possibilities that could lead to injury or environmental impact</i>	Risk Rating			Solution / Control Measure / Safe Work Method <i>Using the previous two columns as a guide, decide what actions are necessary to eliminate or minimise the hazards that could lead to an accident, injury or occupational illness or environmental impact</i>	New Risk Rating			Responsible Persons to implement (Minimum Competency Level)
			<i>From Table on last page</i>				<i>From Table on last page</i>			
			<i>L</i>	<i>x</i>	<i>C = R</i>					
1	Daily Pre-Start of equipment	Truck or Loader failure	3	3	2	Conduct Pre-start check	5	3	3	Truck Driver
2	Loading of product into vehicle	Person struck by loader or caught between loader and vehicle or loader and material bays.	1	2	1	No person permitted within 3 metres of operating loader (3 metre rule) Operator of loader has operators licence.	4	2	2	Supervisor
		Bacterial infection from soil and composted material.	4	3	2	Enclose cab on door Recommended PPE (Gloves, Long sleeves and pants, eye goggles, breathing mask)	5	4	3	Loader Driver
3	Transport plant to site	Driving equipment to site – accident	3	2	1	Ensure driver has appropriate licence and sufficient time is provided to get to job , which included time for breaks if necessary– “STOP, REVIVE , SURVIVE”	4	2	2	Driver/ Supervisor
4	Site Establishment Positioning Vehicles	Impact with structures	4	2	2	Utilise a guide and observer Slow speed	5	2	3	Supervisor/ Labourer
		Impact with overhead electrical or communication cables	3	1	1	Employ a competent observer where there is a risk of contact with overhead cables. Refer to Safe work procedure “106 Work near power lines”	4	1	2	Supervisor/ Labourer

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5	Removing Tarp from covered load	Fall into augers	4	1	2	Person accessing inside rear of vehicle is to have keys and remote control on there person. Emergency stop button must be depressed.	5	1	2	Supervisor	
		Fall from ladder	4	2	2	Three points of contacts maintained at all times. Hand free of objects	5	2	2	Supervisor	
		Unloading hoses from truck	Manual Handling sprain/ strain	4	2	2	Avoid over reaching Team lift larger hoses Avoid dragging hoses over obstructions	5	2	2	Supervisor
		Deploying hoses in public place with pedestrian access	Slips, trips, and falls over hoses by other workers or pedestrians.	3	4	2	Barricade area with warning tape (see exclusion zone diagram) Elevate hose over walkways or ramp over hoses.	4	2	3	Labourer Labourer Labourer
	<hr/>										
		Operation and Application of Material						-	-	-	
		Operation	Person entering work site	4	2	2	Establish exclusion zone Utilise signs defining necessary PPE. Place barriers where necessary, place signs identifying the correct PPE. Traffic cones over trip hazards Use observer or controller where necessary	5	4	3	Labourer Labourer Labourer Labourer Labourer

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Operation Continue....	Person entering work site continued.....	3	3	2	Complete Exclusion Zone Checklists	4	4	3	Labourer
	Excessive noise when in the vicinity of truck.	3	3	2	Use hearing protection Limit exposure time	4	3	2	Labourer
	Effect of Noise on others (Under 80 DBA)	3	3	2	Anyone working within 5m of truck must where 32 DBA ear protection. 10m away from truck, no effect	4	4	3	Operator/ Supervisor
	Spraying product	2	3	2	Use goggles, mask at all times, activate dust suppression on vehicle				
	Airborne Dust	2	3	2	Minimise airborne dust by using Dust suppression system on Bark Blower. Adjust Dust Suppression system to the required setting on a day to day basis to eliminate excessive dust. The Dust Suppression System applies water to the material being blown at an adjustable rate. Water is introduced to the material where the material enters air stream.	4	2	3	Operators/ Supervisors
	Effect on others while spraying product	3	4	2	Set up exclusion zone according to Safe Work Procedure/ Exclusion Zone. On days of extreme wind where Exclusion zone is not manageable. Blowing of product must cease.	4	4	3	Supervisor
	Manual handling sprain when holding and moving hoses.				Training in technique	4	2	3	Supervisor
	Sprain while clearing hose blockage	3	4	2	Keep and hold hose between thigh and shoulder height where practical.	4	2	3	Management/ Supervisor
									Labourer

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6	Clean Up	Injury from product whilst spraying (Inhalation, skin irritation, eye irritation)	3	3	2	Training in technique	4	4	3	Supervisor/ Management
		Injury from product whilst cleaning	3	3	2	Wear appropriate PPE. Eye goggles, dust mask, long sleeves and pants.	4	4	3	Supervisor
		Trips and Falls whilst packing away tools and hoses.	3	4	2	Wear appropriate PPE. Eye goggles, dust mask, long sleeves and pants.	4	4	3	Labourer
		Injury while using petrol driven tools (leaf blower)	3	2	2	Use correct lifting techniques and training. Team lift larger hoses	4	3	2	Management / Supervisor
						Refer to Safe Work Procedure 105 (Using Hazardous Substances).				Labourer
						Read relevant MSDS				Labourer
						Wear recommended PPE(gloves, eye goggles, ear protection and dust mask)				Supervisor
7	Return to depot	Accident with other road users	4	1	1	Ensure driver has appropriate licence and sufficient time is provided to get to job , which included time for breaks if necessary– “ STOP, REVIVE , SURVIVE”	5	3	3	Truck Driver/ Supervisor
8	Unloading vehicle	Injury by vehicle gate	4	3	2	Operator only allowed in vicinity of truck	5	3	3	Supervisor
						Appropriate training to make workers aware of the dangers present.				
9	Additional Tasks (Supervisor may wish to make amendments before the commencement of work) *Working at heights. -1 st through 10 th storey on building or relevant structure, not excluding cliff edges, or steep batters. -Including setup and pack up.					All workers to be correctly harnessed onto allocated and sufficient anchor points. No person permitted within 2.5 metres of drop off where a sufficient safety rail is not present. Anchor points to be identified prior to equipment setup.	2	2	2	Supervisor/ Labourer
		Fall from potentially fatal heights. Workers as well as equipment.	2	1	1	All equipment to be securely tied off to allocated tie points, on a secured structure.				

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Risk Score Calculator	Consequence					Likelihood x Consequence =	Risk Rating
	1. Disaster	2. Very Serious	3. Serious	4. Substantial	5. Minor		
Likelihood						The hazard has the potential to: <ul style="list-style-type: none"> permanently disable or kill cause major damage to the structure have significant impact on the surrounding population and environment 	HIGH 1
1. Almost certain	1	1	1	2	2	The hazard has the potential to: <ul style="list-style-type: none"> temporarily disable or seriously injures cause minor damage to the structure breach the site boundary and pollute local environment 	MEDIUM 2
2. Likely	1	1	2	2	2		
3. Possible	1	2	2	2	3	The hazard has the potential to: <ul style="list-style-type: none"> cause minor injury be contained within the site boundary 	LOW 3
4. Remotely Possible	2	2	2	3	3		
5. Practically impossible	2	3	3	3	3		

Training and Consultation Statement

The need for training has been assessed and where additional specific training is required this will be either conducted by the Site Supervisor, where qualified and authorised, or specialised training will be provided by an authorised training provider when required.

By my signature below I hereby state that I have been consulted, read and understand the JSA / SWMS on the previous page/s, and will abide by any and all conditions and restrictions stated therein.

<u>Name</u> <i>(List all persons performing this work below - Copy and attach additional sheets as required)</i>	<u>Company</u>	<u>OHS Induction Certificate No.</u>	<u>Date</u>	<u>Signature</u>