



# Site Job Safety Analysis (JSA) SAFE WORK METHOD STATEMENT

Tremline Pty Ltd /The Hills Bark Blower  
Cnr Annangrove & Sedger Rds Kenthurst , NSW, 2156  
PO Box 422, Round Corner, NSW, 2158  
Tel: 02 9654 2288 Fax: 61 2 96542329  
ABN 12 075 880 652 Website: [www.barkblower.com.au](http://www.barkblower.com.au)

<b>JSA No:</b> 011017 <b>Rev:</b> Daily <b>Date:</b> 1.11.17 <b>Prepared by:</b> The Hills Bark Blower. Approved for site: Bark Blower supervisor to sign Sign: _____ Date: 1 / 11 / 2017	<b>Operation of Mobile Pneumatic/ST20 Product Placement Device at Site</b>	<b>Project Name:</b> <b>Site Location:</b>
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<b>Job Number</b> C17/	<b>Start Time:</b>	<b>Date:</b>	<b>Vehicle:</b>	<b>Supervisor:</b>	<b>Max Length Hose:</b> 100m
<b>Company Name:</b>			<b>Product:</b>		<b>Quantities:</b> TBC <b>Depth:</b> Varied
<b>Job site address:</b>			<b>Description of Job:</b> Supply and Installation of various landscape materials via Blower Truck, to designated areas as instructed by		<b>Truck Access:</b> Site Specific
<b>Initial Contact Name:</b>		<b>Phone:</b>	<b>Site Contact Name:</b>		<b>Phone:</b>
					<b>OH&amp;S Induction:</b> Yes <b>Planted Up?</b> Yes

**Expected Duration of works:** \_\_\_\_\_ 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	<input checked="" type="checkbox"/>	Fire Extinguishers
<input checked="" 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	<input checked="" type="checkbox"/>	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		Spills to water		Revtex Super 2T		Other
	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 checked="" type="checkbox"/>	Hearing Protection	<input checked="" type="checkbox"/>	Shovel		Soil Erosion		Other		Other
<b>Product MSDS</b>		<input checked="" type="checkbox"/>	Dust Mask	<input checked="" type="checkbox"/>	Bins		Hazards to flora and fauna		Other		Other
	Planter Box Mix		Wet Weather Gear		Ramp	Applicable Standards and Codes of Practice					
	B Horizon Sub Soil	<input checked="" type="checkbox"/>	Protective Clothing		Harness	1. National Workplace Health & Safety Act 2011 2. National Workplace Health & Safety Regulation 2011 3. Injury Management and Workers Compensation Act 1998 4. <span style="color: red;">Daily / Weekly Maintenance Checks – Attached</span> 5.					
	Turf Underlay	<input checked="" type="checkbox"/>	Long Sleeved Shirt and trousers plus high visibility vest								
<input checked="" type="checkbox"/>	Compost	<input checked="" type="checkbox"/>	Sun Screen								
	Mulch / Woodchip	<input checked="" type="checkbox"/>	Face Shield								
	Sand	<input checked="" type="checkbox"/>									
						Work Cover 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			SWMS to be reviewed Monthly from date of Revision (Minimum)	



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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)
Work taking place alongside busy roadway.	Minimise	Traffic Management			Ongoing	
Working in enclosed surroundings / conditions	Minimise	Staff to be briefed on work conditions	Hills		Ongoing	
Excessive Noise	Minimise	Provide Hearing protection	Hills		Ongoing	
Inhalation of hazardous dust and, or other	Eliminate	Provide appropriate breathing apparatus	Hills		Ongoing	
Accessing Top of Vehicle potential fall from height.	Minimise	Operators banned from accessing top of vehicle at all times.	Hills		Ongoing	
General Emergency	Minimise	In the event of an emergency, staff to call 000	Hills		Ongoing	



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<b>Step</b>	<b>Job/Task(s)</b> <small>Break job down into steps</small>	<b>Hazard(s)</b> <small>Identify hazards associated with each step, examine each to find possibilities that could lead to injury or environmental impact</small>	<b>Risk Rating</b> <small>From Table on last page</small>			<b>Solution / Control Measure / Safe Work Method</b> <small>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</small>	<b>New Risk Rating</b> <small>From Table on last page</small>			<b>Responsible Persons to implement (Minimum Competency Level)</b>
			<small>L</small>	<small>x</small>	<small>C = R</small>		<small>L</small>	<small>x</small>	<small>C = R</small>	
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 operator's 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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	Accessing top of vehicle	Fall into augers	4	1	2	Operators banned from accessing top of vehicles at all times.	5	1	2	<b>Supervisor</b>
		Fall from ladder	4	2	2	Three points of contact maintained at all times.	5	2	2	<b>Supervisor</b>
	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	<b>Supervisor</b>
			3	4	2	Barricade area using <b>Barricades Only</b> (see exclusion zone diagram)	4	2	3	<b>Labourer Labourer</b>
	Deploying hoses in public place with pedestrian access	Slips, trips, and falls over hoses by other workers or pedestrians.	3	4	2	Elevate hose over walkways or ramp over hoses.	4	2	3	<b>Labourer</b>
<b>5</b>	<b>Operation and Application of Material</b>						-	-	-	
	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	<b>Labourer Labourer Labourer Labourer Labourer</b>



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Operation Continue....	Person entering work site continued.....	3	3	2	Complete Exclusion Zone Checklists	4	4	3	<b>Labourer</b>
	Excessive noise when in the vicinity of truck.	3	3	2	Use hearing protection Limit exposure time	4	3	2	<b>Labourer</b>
	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	<b>Operator/ Supervisor</b>
	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	<b>Operators/ Supervisors</b>
	Material dispersal from hose	3	4	2	<p style="color: blue;">Set up exclusion zone according to Safe Work Procedure/ Exclusion Zone.</p> <p style="color: blue;">On days of extreme wind where Exclusion zone is not manageable. Blowing of product must cease.</p>	4	4	3	<b>Supervisor</b>
	Manual handling sprain when holding and moving hoses.				Training in technique	4	2	3	<b>Management/ Supervisor</b>
	Clearing hose blockage	3	4	2	Keep and hold hose between thigh and shoulder height where practical.	4	2	3	<b>Labourer</b>
	Incorrect Operation	2	3	2	Trained Supervisor Only to operate machine.	4	2	3	<b>Supervisor</b>
	Failure of Equipment	2	3	2	Blower unit / setup to be in accordance with Manufacturers recommendations. Emergency Stop to be enforced in event of emergency.	4	2	3	



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No	Task	Hazard	L	S	C	Control Measures	L	S	C	Responsible Person
<b>6</b>	<b>Clean Up</b>	Injury from product whilst spraying (Inhalation, skin irritation, eye irritation)	3	3	2	Training in technique	4	4	3	<b>Supervisor/ Management</b>
		Injury from product whilst cleaning	3	3	2	Wear appropriate PPE. Eye goggles, dust mask, long sleeves and pants.	4	4	3	<b>Supervisor</b>
		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	<b>Labourer</b>
		Injury while using petrol driven tools (leaf blower)	3	2	2	Use correct lifting techniques and training.	4	3	2	<b>Management / Supervisor</b>
			3	2	2	Team lift larger hoses				<b>Labourer</b>
					Refer to Safe Work Procedure 105 (Using Hazardous Substances).				<b>Labourer</b>	
					Read relevant MSDS				<b>Labourer</b>	
					Wear recommended PPE(gloves, eye goggles, ear protection and dust mask)				<b>Supervisor</b>	
<b>7</b>	<b>Return to depot</b>	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	<b>Truck Driver/ Supervisor</b>
<b>8</b>	<b>Unloading vehicle</b>	Injury by vehicle gate	4	3	2	Operator only allowed in vicinity of truck				
						Appropriate training to make workers aware of the dangers present.	5	3	3	<b>Supervisor</b>
						<i>Three points of contacts maintained at all times. .Blower and Augers turned off</i>				
<b>9</b>	Additional Tasks (Supervisor may wish to make amendments before the commencement of work)									
	*Working at heights. -1 <sup>st</sup> through 10 <sup>th</sup> storey on building or relevant structure, not excluding cliff edges, or steep batters. -Including setup and pack up.	Fall from potentially fatal heights. Workers as well as equipment.	2	1	1	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. All equipment to be securely tied off to allocated tie / Anchor points.	2	2	2	<b>Supervisor/ Labourer</b>



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No	Operation – Other Specific	Risk	L	M	H	Control Measures	L	M	H	Responsible
10	<b>Operation – Other Specific</b>	Work taking place alongside busy roadway. Potential accident	3	2	2	Traffic Management	4	3	2	<b>Supervisor/ Labourer</b>
		Working in enclosed surroundings / tight conditions	2	1	1	Staff to be briefed on work conditions as well as carrying Confined Space Permit. Toolbox talk to be undertaken prior to works commencing	2	2	2	<b>Management / Supervisor</b>
		Excessive Noise	2	2	1	Provide Hearing protection	4	4	3	<b>Management / All</b>
		Inhalation of hazardous dust and, or, other	2	2	1	Provide appropriate breathing apparatus	4	3	2	<b>Management / All</b>
		Working taking place in an unlit environment	1	2	1	Provide sufficient means for lighting. ie Portable Lamp / Head Lighting	4	4	3	<b>Management / All</b>
		Working in enclosed space under existing ground. Potential collapse.	1	1	1	Ensure stability test has been carried out. Put evacuation / emergency plan in place	4	2	2	<b>Management / All</b>
11	<b>Clearing Blockage / Compacted Loads</b>	Accessing top of, and or, inside of vehicle to loosen load. Fall into Augers or off truck to ground.	1	1	1	Supervisors NOT to access rear access ladder or top of vehicle at any stage. Truck must return to Hills depot for unloading and inspection of the inside of the Truck Body, if required. As Above.	5	2	3	<b>Supervisor</b>
		Open rear door to ease compaction and loosen load. Potential for material to spill onto roadway, site floor or similar. Person crushed when accessing trailer body and rear door hydraulics fail.	1	1	1		4	2	2	<b>Supervisor</b>



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12	<b>Other Site Specific:</b>	Installing Soil to podiums, level 1 and above. Hose incorrectly attached to scaffold and not secure.	3	2	2	<p style="color: red;">Ensure specially designed Scaffold Clamps are used <b>AT ALL TIMES</b> when erecting Poly hose to existing scaffold on site. Minimum of one Clamp per length is required.</p> <p style="color: red;"><b>5" Poly Line:</b> 2.81kg Per Lineal Metre.</p> <p style="color: red;">*When Poly Pipe is full with material (Only in the case of pumping ceased due to blockage), material volume would be 0.015 Cubic Metres.</p> <p style="color: red;">*Material weight = approx. .55/Tn per m3</p> <p style="color: red;">*General Lengths of Poly Pipe = 6 Lineal Metres.</p> <p style="color: red;">-Weight cannot exceed 250kg down pressure on scaffold. Scaffold must be tied to the building by ties as per NCOP scaffolding. (Responsibility of scaffold supplier / builder)</p>	5	2	3	<b>Supervisor/ Labourer</b>
13	<b>Emergency Event</b>	<p style="color: red;"><u>In the event of an emergency, staff are required to phone 000, and / or contact a representative of the relevant customer's business, or the main contractor.</u></p>								<b>Supervisor / Labourer</b>





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Risk Score Calculator	Consequence					Likelihood x Consequence =	Risk Rating
Likelihood	1. Disaster	2. Very Serious	3. Serious	4. Substantial	5. Minor		
1. Almost certain	1	1	1	2	2	The hazard has the potential to: • permanently disable or kill • cause major damage to the structure • have significant impact on the surrounding population and environment	HIGH 1
2. Likely	1	1	2	2	2		The hazard has the potential to: • temporarily disable or seriously injures • cause minor damage to the structure breach the site boundary and pollute local environment
3. Possible	1	2	2	2	3	The hazard has the potential to: • cause minor injury • be contained within the site boundary	
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> <small>(List all persons performing this work below - Copy and attach additional sheets as required)</small>	<u>Company</u>	<u>OHS Induction Certificate No.</u>	<u>Date</u>	<u>Signature</u>
(Supervisor)	The Hills Bark Blower			
	The Hills Bark Blower			
	The Hills Bark Blower			

### Monthly Safe Work Method Statement Revision:

Name:				
Date:				