



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

JSA No: 05.3 Rev: 28.05.2014 Date: 28.04.2014 Prepared by: The Hills Bark Blower. Chris Natrass Approved for site: Bark Blower supervisor to sign Sign: _____ Date: 06 /05 / 2014	Operation of Mobile Pneumatic/ST20 Product Placement Device at Site	Project Name: _____ Site Location: _____
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Job Number C14/	Start Time:	Date:	Vehicle:	Supervisor: TBA	Max Length Hose: 100m
Company Name:			Product:		Quantities: TBA
Job site address:			Description of Job:		Truck Access:
Initial Contact Name:	Phone:	Site Contact Name:	Phone:	OH&S Induction: Yes	Planted Up? Yes

Expected Duration of works: 3 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)					
X	Construction Industry Induction White Card	X	Hard Hat	X	Bark Blower	X	Air Pollution Dust		Gasoline	X	Fire Extinguishers
X	Site Induction/ Toolbox Talk	X	Steel Capped Boots	X	Leaf Blower	X	Spills to ground		Automotive Diesel Fuel	X	First Aid Kit
X	Current Drivers Lic of appropriate class to drive truck	X	Glasses/Goggles	X	Brooms		Spills to water		Revtex Super 2T		Other
	General sit permit to work	X	Gloves	X	Rake	X	Noise Pollution		Other		Other
X	Signed SWMS all workers	X	Hearing Protection	X	Shovel		Soil Erosion		Other		Other
Product MSDS		X	Dust Mask	X	Bins		Hazards to flora and fauna		Other		Other

Planter Box Mix			Wet Weather Gear	Ramp	Applicable Standards and Codes of Practice	
Express Blower			X	Harness	1. National Workplace Health & Safety Act 2011 2. National Workplace Health & Safety Regulation 2011 3. Injury Management and Workers Compensation Act 1998 4. Daily / Weekly Maintenance Checks – Attached 5.	
B Horizon			X	Sun Screen		
Turf Underlay			X	Face Shield		
					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 trained in use of B-Safe, Vertical safety ladder system.	Hills		Ongoing	

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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)
			L	x	C = R		L	x	C = R	
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	Supervisor
		Fall from ladder	4	2	2	Three points of contacts maintained at all times. Blower and Augers turned off. Hands 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
			3	4	2	Barricade area using Barricades Only (see exclusion zone diagram)	4	2	3	Labourer Labourer
	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	Labourer
5	Operation and Application of Material					Establish exclusion zone	-	-	-	
	Operation	Person entering work site	4	2	2	Utilise signs defining necessary PPE.	5	4	3	Labourer
						Place barriers where necessary, place signs identifying the correct PPE.				Labourer
						Traffic cones over trip hazards				Labourer
						Use observer or controller where necessary				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	Management/ Supervisor
	Sprain while clearing hose blockage	3	4	2	Keep and hold hose between thigh and shoulder height where practical.	4	2	3	Labourer
	Incorrect Operation	2	3	2	Trained Supervisor Only to operate machine.	4	2	3	Supervisor
	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	L1	L2	L3	Control Measures	L1	L2	L3	Responsible Person
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.	4	3	2	Management / Supervisor
			3	2	2	Team lift larger hoses	4	3	2	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
			4	3	2	Operator only allowed in vicinity of truck	5	3	3	Supervisor
			4	3	2	Appropriate training to make workers aware of the dangers present. <i>Three points of contacts maintained at all times.</i> <i>.Blower and Augers turned off</i>	5	3	3	Supervisor
8	Unloading vehicle	Injury by vehicle gate	4	3	2		5	3	3	Supervisor
			4	3	2		5	3	3	Supervisor
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.		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	Supervisor/ Labourer
		Fall from potentially fatal heights. Workers as well as equipment.	2	1	1		2	2	2	Supervisor/ Labourer



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No	Operation – Other Specific	Description	3	2	2	Control Measures	4	3	2	Responsible
10	Operation – Other Specific	Work taking place alongside busy roadway. Potential accident	3	2	2	Traffic Management	4	3	2	Supervisor/ Labourer
		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	Management / Supervisor
		Excessive Noise	2	2	1	Provide Hearing protection	4	4	3	Management / All
		Inhalation of hazardous dust and, or, other	2	2	1	Provide appropriate breathing apparatus	4	3	2	Management / All
		Working taking place in an unlit environment	1	2	1	Provide sufficient means for lighting. ie Portable Lamp / Head Lighting	4	4	3	Management / All
		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	Management / All
11	Clearing Blockage / Compacted Loads	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	Supervisor
		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	Supervisor



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12	Other Site Specific:								
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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:				