

TERRA TRENCHER

STATIC PLANT & EQUIPMENT RISK ASSESSMENT

Clients Name:		Date of purchase
Machine Make: TERRA TRENCHER		Machine Models: TT 400, TT 500, TT 800
Terra Trencher and Power head serial No's:		Equipment Type: Portable Power Trencher
What licenses or competencies are required to safely operate the plant: See →		All personnel must receive full safety and operational training and sign off by senior deployment officer.
Is the plane required to be registered: NO		Manufactured in NEW ZEALAND

Description of the plant:

Terra Trencher Portable Power mini Trencher, Powered by a two stroke power head.

Digging capacity: Max depth - 500mm

Max width in one pass – 38mm

Average work rate at full depth – 800mm – 1 meter + per minute.

Machine can operated in its Wheeled Support Accessory from a comfortable standing position or is easily capable of being used as a hand held unit for difficult and inaccessible cable or pipe/service runs across existing turf.

Advantages: very high work rate. Completely portable and requires No special transport (can be carried in the boot of a car or utility vehicle).

Rapid on site setup/breakdown.

Narrow kurf with lowest ground disturbance possible – No surrounding turf damage from drive wheels or tracks, rapid back fill with minimal reinstatement costs.

Minimises/negates the cost of removal/reinstatement of other conventional access restricting objects i.e. trees, shrubs, pathways, nib walls etc.

Can be one man operation from the start to stop.

Purpose of the assessment:	Description of the intended purpose and associated work tasks:
Pre-purchase	To enable the shallow trenching in boundary from services to buildings.

Report Acceptance

General Notes

The Owner/Operator of the above Plant/Equipment should perform an inspection at regular intervals, that all procedures and control methods are maintained to an acceptable level where the level of risk to any person is increased. In particular when any alteration or modification is made to the Plant/Equipment, a review of both Control Methods and Documentation should be made.

Confidentiality

Information obtained from **TERRA TRENCHER** in the course of producing this report will be treated as confidential. It will not be used for any purpose other than for the production of this report.

Disclaimer

This report has been prepared by RAYKAR Training Pty. Ltd. for the purpose of determining compliance to occupational health and safety legislation and standards.

The contents of this report are intended only for use by **TERRA TRENCHER and their Clients whose name appears on the front cover**. Whilst every effort has been made by RAYKAR Training Pty. Ltd. to ensure the accuracy of this report. RAYKAR Training Pty. Ltd. will not be held responsible, and extends no warranties as to the suitability of such information or for the consequence of its use. Likewise, RAYKAR Training Pty. Ltd. will not be held responsible for actions taken by third parties as a result of information contained in this report.

Ray Woll
Assessor

Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	Project ed Risk Score
ENTANGLEMENT Can anyone's, hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangled with moving parts of the plant, or materials in motion?	Manufacturers Warning Decals Readable	Y		All safety decals and guards to be fitted. No loose or torn clothing to be worn	M
	Guards installed	Y			
	Warning Decals for Personal (i.e. .loose clothing etc)	Y			
CRUSHING/CUTTING Can a person be crushed due to:					
◆ Uncontrolled or unexpected movement of the plant or its load?		N			L
◆ Lack of capacity for the plant to be slowed, stopped or immobilised?		N			L
◆ The plant tipping or rolling over?		N			L
◆ Parts of the plant collapsing?		N			L
◆ Material falling of the plant		N			L
◆ Being thrown off or under the plant?		N			L
CUT/STAB/PUNCTURE Can anyone be cut, stabbed or punctured due to:	Guarding No visible signs of sharp objects	Y		All safety decals and guards to be in place	L
◆ Coming into contact with sharp or flying objects?					
◆ Coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?	<ul style="list-style-type: none"> Safe work procedures in place Trained persons only Tag out procedures in Place 	Y		To be implemented by owner/hirer	H
◆ The plant, parts of the plant or work pieces disintegrating?	As above	Y		To be implemented by owner/hirer	L
◆ Work pieces being ejected?	As above	Y		To be implemented by owner/hirer	M
◆ The mobility of the plant?		N			L
◆ Inappropriate parts and accessories being used	As above	Y		Approved parts and accessories only to be used	H
SHEARING Can anyone's body parts be sheared between any two parts of the plant, or between a part of the plant and a work piece or structure?	<ul style="list-style-type: none"> Safe work procedures in place Traffic management in place Supervision in place 	N		To be implemented by owner/hirer	H
FRICITION Can anyone be burnt due to contact with moving parts or surfaces of the plant, or material handled by the plant?	As above	N		To be implemented by owner/hirer	M

Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	Project ed Risk Score
High Pressure fluid Can anyone come into contact with fluids or gases under pressure due to plant failure or misuse		N			
ELECTRICAL Can anyone be injured by electrical shock or burn due to: ♦ The plant contacting live electrical conductors?	Electrical wire / overhead wires / obstructions decals fitted	N		Addressed by JSA. (no go zone)	
♦ Damaged or poorly maintained electrical leads and cables?		N			
♦ Damaged electrical switches?		N			
♦ Lack of isolation procedures?		N			
EXPLOSION Can anyone be injured by explosion of gasses, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?			n/a		
SLIP/TRIP/FALL Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to: ♦ Uneven or slippery work surfaces?	Non slip surface	Y		Ensure work area is clear of any obstructions/penetrations and/or loose items	M
♦ Poor housekeeping, eg. Debris in the vicinity of the plant, spillage not cleaned up?		Y		As above	
♦ Unprotected holes, penetrations or gaps?	Slip/trip	Y		As above	L
♦ Poor floor or walking surfaces, such as the lack of a slip resistant surface?	Non slip surface	Y		As above	L
ERGONOMIC Can anyone be injured due to: ♦ Constrained body effort	Operational control levers & pedals in operator reach	N			L
♦ Operators controls	Operators controls identified	Y			L
	All labels are readable	Y			
SUFFOCATION Can anyone be suffocated due to lack of oxygen or atmospheric contamination, refer to the Confined Spaces Regulations?	Engine fumes not excessive at high idle. Co2 risk	Y		Terra Trencher must be used in a well ventilated area, not below ground	M
TEMPERTURE / FIRE Can anyone come into contact with objects at high temperature?	Hot surface warning decal	Y		Stop engine before refueling machine. Refuel at least 3m from work area.	L
	Fire protection supplied on site	Y			
THERMAL COMFORT Can anyone suffer ill health due to extreme temperature or change of weather?	Ventilation	N			L

Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	Project ed Risk Score
NOISE Can anyone suffer ill health or hearing loss due to exposure to high noise levels?	High noise levels	Y		To be implemented by owner/hirer	L
	Hearing protection supplied	N			
	Hearing protection warning decal	Y			
INDIVIDUAL FACTORS <ul style="list-style-type: none"> Are there hazards related to young or inexperienced workers? 	Improper use	Y		All users must read and understand operator and safety manual before operating machine. Extra training and sign off may be required.	
<ul style="list-style-type: none"> Can anyone be injured as a result of unauthorised access to the plant, or inappropriate use/horseplay? 	Trips/slips	Y		Maintain a professional manner at all times when operating or in proximity to the machine.	
DOCUMENTATION	Operator's Manual	N		To be implemented by owner/hirer To be with machine t all times To be implemented by owner/hirer To be with machine t all times To be implemented by owner/hirer To be with machine t all times To be implemented by owner/hirer To be with machine t all times To be implemented by owner/hirer To be with machine t all times	L
	Attachment instructions	N			
	Plant daily checklist in place	N			
	Maintenance records up to date	N			
	Training/sign off procedures	N			