

Risk Assessment



Activity:	Earthworks	Date:	
Task Description:	Domestic Site cut & fill		
Assessor:	Nicholas Polidano	Ref:	RA072

ASSESSMENT OF RISK

Significant Hazards	Likelihood			Severity			Risk		
	L	M	H	L	M	H	L	M	H
Persons struck by machine moving around site	X					X		X	
Persons struck by back actor	X					X		X	
Materials dropping from bucket		X			X			X	
Back actor dropping inadvertently	X				X		X		
Overturning of machine	X				X			X	
Noise		X		X			X		
Contact with overhead cables	X					X		X	
Contact with underground services	X				X			X	
Unauthorised operation by intruder	X				X		X		
Vibration	X			X			X		
Falls from plant	X			X			X		

PERSONS AT RISK

Operators, Adjacent Workers, Side Wide Personnel

CONTROLS

Risk	Control Measures
General	<p>Plant to be subject to maintenance and examination in accordance with manufacturer's instructions. For hired plant - obtain copies of certificates from the hire company. Carry out visual and operational checks on all machine systems and operating controls before using the machine. Carry out weekly inspection and record. Any faults to be reported to management immediately and the equipment taken out of use. Plant only operated by persons holding a Plant Operator's Certificate. Plant only to be operated in accordance with Occupational Health and Safety Act 2004 All operators to be .00 at all times The work area will be enclosed within suitable barriers and warning signs displayed. PPE to be worn at all times. No person is allowed to stand within the operating radius of the back actor and a spotter will be used if the operator's vision is restricted. Do not exceed the load capacities when lifting materials etc. When left unattended excavator plant is to be immobilised and with keys removed. Speed limits to be obeyed when travelling on site or the public highway. Use handrails and step-plates to gain safe access and egress from the excavator. Wear seatbelt and do not operate excavator whilst calling / texting on mobile phone.</p>
Contact with services	<p>Verify with builder where all services on the work site are located, . All digging within these areas 600mm of buried services will be by hand. Where there are overhead cables, advice will be obtained from the electricity supplier and marker posts erected, follow No Go Zone Rules All electrical spotters to be accredited Ensure there is adequate clearance for the machine to slew.</p>
Personnel	<p>Plant will only be operated by persons who have been suitably trained and are over 18 years of age All site operatives wear a Hi-vis vest, safety helmet and safety footwear. All trainees to be adequately supervised. A spotter will be used if the driver's vision is restricted or when operating in a congested area.</p>

	<p>Note: All electrical spotters to be accredited</p> <p>The carrying of passengers is prohibited.</p> <p>People working in vicinity of machine must wear hard hat and high visibility clothing. Stay outside the swing areas and away from / under suspended loads. Do not approach the excavator unless the operator has acknowledged that it is safe to continue.</p>
Plant falling into excavation	<p>Vehicles and plant to be kept a safe distance from excavations.</p> <p>Where vehicles are required to tip into excavations the edges should be protected using baulks of timber or stop blocks to prevent falling in or overloading.</p>
Noise	<p>Figures for noise levels in cabs are obtained from the hire company / manufacturer and where these are above 80dB(A) ear protectors will be worn.</p>
Vibration	<p>Plant should be fitted with 'suspension' seats to reduce effects of whole body vibration. Drivers do not drive plant for prolonged periods to minimise risk of whole body vibration.</p>
Unauthorised use	<p>Lower / park the boom / bucket and isolate / turn off the machine before leaving the cab. Do not leave machine unattended with keys in ignition.</p> <p>The ignition key will be removed whenever machine is left unattended and if left on site overnight all plant will be immobilised.</p>

Assessment of Remaining Risk	High		Medium	X	Low	
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FURTHER ACTION REQUIRED

Action Required	Time Scale	Date Completed	Initials
1. Ensure adequate supervision is provided and that control measures remain valid for the duration of the works.	Ongoing		
2. Safe systems of work are provided and issued to all staff and training provided in their use.	1 Week Refresh at Inductions		
3. All staff to be trained in the importance and use of correct Personal Protective Equipment and wearing of the correct PPE made a condition of employment.	1 Week Refresh at Inductions		

ACKNOWLEDGEMENT

By signing this form you confirm that you have read and understood the risk assessments outlined and associated safe methods of work, are competent to undertake the work, and that you agree to comply with the safe working procedures in place to minimise the hazards present for the activities undertaken.

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