



ATM-RISK ASSESSMENT

TASK:	Operation of 360° Excavator					RA No:	ATMRA2018/003		
EQUIPMENT / MATERIALS USED	360° Excavator – Company Vehicle and Trailer								
PERSONS AT RISK:	SITE OPERATIVES, PERSONS IN THE VICINITY, OTHER EMPLOYEES, CONTRACTORS, VISITORS, MEMBERS OF THE PUBLIC (All operatives or teams of operatives are to ensure that the daily on-site risk assessment is completed prior to commencing any work on site.)								
HAZARD / RISK	RISK LEVEL			CONTROL MEASURES	RESIDUAL RISK				
	S	L	RL		S	L	RL		
Collision with persons on site Serious injury, fatality	5	3	15	<p>Where possible take the necessary steps to reduce unauthorised access to the area of operations or site. The area is public access, all machine operations will be supervised by a banksman and operations paused to give way to the public.</p> <p>Where possible introduce a site traffic management plan in order to provide separation between machinery, vehicles and pedestrians. Due to the nature of the site, singular track access, all machine operations will be supervised by a banksman and operations paused to give way to the public or moving party.</p> <p>The operator will continuously monitor the surrounding area that is 2 metres beyond the machines operating arm.</p> <p>All site operatives are to wear high visibility clothing, complying with both ATM LTD's requirements and the clients.</p> <p>All company operatives are to wear ATM Ltd standard PPE, including full Hi-Viz due to the control measures above indicating that a risk still requires control.</p>	5	1	5		
Incorrect / Unauthorised Use Serious injury, fatality	5	3	15	<p>Only qualified / competent operators are permitted to use this equipment.</p> <p>No person is permitted to ride as a passenger on this equipment.</p> <p>All plant and vehicle keys are to be removed and retained by the driver / operator, whilst the machine or vehicle is out of use.</p> <p>Operators shall ensure units with enclosed cabs are locked when not in use.</p> <p>All plant and machinery shall only be used in the manner in which it was designed and within the working parameters of the manufacturers guidance.</p>	5	1	5		

ATMRA2020/003	Original Author:	Rob Whamond	Date:	01-06-2021
	Reviewed By :	Dale Nelson	Next Review Date:	01-06-2022
Use the table below to calculate the severity and likelihood. (Severity X Likelihood = RISK)		Use the table below to indicate whether the Residual Risk Rating is:		
Severity of Outcome; 5 Fatality / Loss of Limb. 4 Serious Injury. 3 Moderate. 2 Minor Injuries. 1 Negligible.		1 – 6 = Low Risk		
Likelihood of Harm; 5 Almost Certain , 4 Very Likely , 3 Fair Chance , 2 Remote, 1 Very Unlikely.		7 – 11 = Medium Risk		
		12+ = High Risk		



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	S	L	RL		S	L	RL
Un-controlled movement of machinery Serious injury, fatality	5	3	15	<p>Ensure that the trailer is in a suitable condition, is stable and braked / chocked, before loading the excavator</p> <p>Ensure that the machine is properly secured to the trailer prior to transport to and from site.</p> <p>Ensure that any straps used for securing the trailer are visually inspected prior to use and are inspected periodically by a competent person for damage, wear and tear. In accordance with the Lifting Operations and Lifting Equipment Regulations (LOLER).</p> <p>Ensure that sufficient space is available for any loading/unloading operations.</p>	5	1	5
Falling Materials Serious injury	4	3	12	All pedestrians / operatives are to be kept clear of the plant, whilst it is in operation, hard hats to be worn.	4	2	8
Risk of Fire during re-fuelling operations Burns, serious injury, fatality	5	3	15	See ATMRA020/89 Re-fuelling of equipment.	5	1	5
Stability on sloping ground / risk of machinery overturning. Crushing, serious injury, fatality	5	3	15	<p>Stabilisers will be used and spreader mats operators should ensure that ground conditions are suitable for the use of the machinery.</p> <p>The machine has a high centre of gravity and must be used with extreme caution on sloping ground. Units are not to be driven across sloping ground, only directly up or down.</p> <p>Units are not to be stored on sloping surfaces, if possible. If there is not other option, the digger shall be parked facing downhill while the boom extended for stability.</p> <p>The machine is only to be operated in accordance with the manufacturer's instructions and within the machine's limits at all times.</p> <p>Only competent operators are permitted to operate this type of equipment.</p>	5	2	10

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	S	L	RL		S	L	RL
Underground Services Fire, explosion, burns, electric shock, serious injury, fatality	5	3	15	<p>ATM Ltd's operatives will not carry out any digging operations until a permit to dig has been issued by the person or company in charge of the site.</p> <p>No digging is to take place unless the area has been cat scanned and any services highlighted / marked accordingly.</p> <p>Before any digging is carried out, relevant service drawings are to be obtained where possible, in order that the potential risks may be further assessed.</p> <p>No machine digging to take place within 1m of a buried service, further if directed by permit to dig.</p> <p>Refer to ATMRA2020/050 Underground Services for control measures. All works that may involve underground buried services shall be conducted in accordance with Avoiding danger from underground services (HSG47)</p>	5	1	5
Poor Maintenance Leading to Failure of equipment Serious injury, fatality	5	2	10	<p>All of ATM Ltd's plant and machinery is subject to pre-use checks on a daily basis and regular maintenance by a competent person, in accordance with the Provision and Use of Work Equipment Regulations (PUWER).</p> <p>Where a piece of plant is required to undergo a statutory inspection or test, the company will ensure that a competent, reputable contractor is engaged to carry out this type of work.</p> <p>Any plant that is unsafe or damaged shall not be used.</p>	5	1	5
Slips, Trips and Falls Cuts, abrasions	3	3	9	<p>All staff are to take care when working on any uneven ground or adverse weather conditions. Any such hazards should be highlighted during the on-site risk assessment process and all operatives reminded of the possible hazards that may exist.</p> <p>Operatives shall be required to wear suitable safety footwear when completing work activities and ensure they keep their footwear free from muck build up, to maintain good grip.</p> <p>Ensure that and vehicle access points, steps etc are free from mud.</p>	3	2	6

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Overhead Services Fire, explosion, burns, electric shock, serious injury, fatality	5	2	10	Supervising operatives are to check for any overhead services that may affect their ability to carry out the job safely, prior to their work commencing. Refer to ATMRA2020/027 Working Near Overhead Power Lines for control measures All operations near overhead powerlines shall be conducted in accordance with Avoiding danger from overhead power lines (GS6).	5	1	5

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