



ATM-RISK ASSESSMENT

TASK:	Use of Earth Moving Plant	LOCATION	Various			RA No:	ATMRA2020/009		
EQUIPMENT / MATERIALS USED	Earth Moving Plant								
PERSONS AT RISK:	PLANT 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 of vehicles and pedestrians and other site plant. Serious injury, fatality	5	3	15	<p>Lead operatives are to ensure that a site traffic risk assessment has been carried out and that a site traffic plan has been introduced and implemented.</p> <p>Ensure that where possible, pedestrian/vehicle separation is in place and maintained.</p> <p>Site instructions should include specific pedestrian routes, markers and procedures for the separation of earth moving plant / vehicles and pedestrians.</p> <p>Non-essential personnel are to be kept away from the works area at all times.</p> <p>Where a plant operator cannot maintain a safe all-round field of vision, a banksman will be employed in order to control operations.</p> <p>Any member of ATM Ltd's staff are to ensure that they are equipped with and are wearing ATM's standard issue PPE.</p> <p>Only trained, competent operators will be permitted to use earthmoving plant on behalf of the company. When plant is not in use, the keys are to be removed in order to prevent unauthorised use. The vehicle/plant is to be parked on firm level ground with the engine switched off, brakes applied and all attachments lowered to the ground.</p> <p>All plant and or equipment shall be visual inspected before use by the operator for defects. No plant and or equipment shall be used, if a defect is identified that has a direct effect on the safe operation of the unit.</p>	5	2	10		
Noise Hearing damage	4	3	12	When working on site, operatives are to ensure that they wear the hearing protection with which they have been provided and that it is suitable for use.	4	1	4		

ATMRA2020/009	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
Dust Respiratory irritation	3	3	9	When working on site, operatives are to ensure that they wear the eye protection that they have been provided with and that it is suitable for use. In particularly dusty environments, the company will supply operatives with FFP3 dust masks.	2	1	2
Entanglement with moving parts of machinery Crushing, entrapment, amputation, serious injury	5	2	10	Only trained, competent operators will be permitted to use earthmoving plant on behalf of the company. A programme of regular planned preventative maintenance and inspection is to apply to all earth moving plant in accordance with the manufacturer's instructions/specifications and in accordance with BS6913 (Operations and Maintenance of Earthmoving Machinery). Only competent persons are to attempt any repair or alterations to any mobile plant equipment on site. Long hair and loose clothing is to be avoided to prevent entanglement issues. No unauthorised passengers are to ride on this equipment at any time.	5	1	5
Overturning Crushing, serious injury, fatality	5	3	15	Only competent operators are to operate any machinery. The plant should be fitted with a roll over protection system and where seatbelts are provided, these are to be worn. If a roll over protection system is not in place, there is no requirement for the operative to wear a seatbelt/harness. Drivers are to avoid turning uphill on side or driving across-slopes All earth moving plant is to be operated within its working limits, as determined by the manufacturer's guidance. The equipment will only be used for tasks for which it is designed.	5	2	10
Risk of Fire during re-fuelling operations Burns, serious injury, fatality	5	3	15	See ATMRA2020/89 Re-fuelling of equipment.	5	1	5

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	S	L	RL		S	L	RL
Whole Body Vibration Back pain, discomfort, musculoskeletal disorders	4	3	12	In order to reduce the effects and risks of whole-body vibration, operators should try to rotate the operation of this vehicle with other, trained personnel. ATM Ltd will assess the effects and risks of whole-body vibration for its plant operators. Health Surveillance will be provided for staff who are required to operate this type of equipment.	4	1	1
Slips, Trips and Falls Cuts, abrasions	3	3	9	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. 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. Ensure that all materials are cleared away from access and egress areas Ensure that and vehicle access points, steps etc are free from mud.	3	2	6

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