



ATM-RISK ASSESSMENT

TASK:	Excavations This is a general risk assessment for excavations. Any major works would be subject to a separate specific risk assessment prior to any work commencing	RA No:	ATMRA2020/012				
EQUIPMENT / MATERIALS USED	Excavators, Hand Tools						
PERSONS AT RISK:	PLANT OPERATIVE, 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
Excavation Collapse Serious injury, fatality	5	3	15	<p>Where excavating work is planned, the company will ascertain, in advance, information regarding ground conditions and soil types. This should help identify the likelihood of a collapse in advance.</p> <p>Where excavations, are in areas that are regularly accessed by members of the public, ATM will ensure that if these excavations and the operating area are cordoned off, during working hours.</p> <p>If excavations need to be left unattended, the company will ensure that the excavation is covered and enclosed using a suitable means of preventing public access. This will usually be in the form of a Herras Fencing type barrier.</p> <p>The need to physically support excavations will be assessed specifically on a project by project basis. Sides of excavations greater than 1.2m in depth will be supported.</p> <p>Excavation support systems or temporary works shall be designed and installed by trained and competent operatives.</p> <p>Existing excavations shall be safety inspected by a competent person, prior to the start of any works and in the event of major weather changes.</p> <p>No person shall enter an excavation unless it is deemed safe to do so by a competent person and, they have the expresse permission of the person in control of the site. If a person is required to work in an excavation/trench for any reason, a confined spaces risk assessment is to be carried out and the works are to be supervised.</p>	5	2	10

ATMRA2020/012	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. Likelihood of Harm; 5 Almost Certain , 4 Very Likely , 3 Fair Chance , 2 Remote, 1 Very Unlikely.		1 – 6 = Low Risk	Page 1 of 4
		7 – 11 = Medium Risk	
		12+ = High Risk	



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	S	L	RL		S	L	RL
Falling into Excavations Serious injury, fatality	5	3	15	No unauthorised persons are to work in or be allowed into the vicinity of excavations. Where operatives are required to work near to open excavations, suitable edge protection will be provided in order to prevent any person from falling in. On trenches of sufficient length, 2 ladders, one at either end are required to be installed for safe access and egress.	5	1	5
Falling Materials Serious injury, fatality	5	3	15	No materials or plant are to be stored at the side of trenches. This is to prevent the equipment from falling in and also to reduce the possibility of the trench collapsing.	5	1	5
Building or Structural Collapse Serious injury, fatality	5	2	10	Where there is the possibility that an excavation could potentially have an adverse effect on a building or structure within the vicinity of the dig, this will be identified during the planning stages of the job. If there is any uncertainty with regard to the stability of buildings or structures that may be affected by the digging of an excavation nearby. ATM will take steps to ensure that the site has been surveyed by a structural engineer and, that any permits or permissions have been granted and obtained, prior to any work commencing.	5	1	5

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<p>Underground Services</p> <p>Fire, explosion, burns, electric shock, serious injury, fatality</p>	5	3	15	<p>Before any work is allowed to take place, the ATM site supervisor/foreman will ensure that he has discussed the area of work with the client / main contractor, and has assured himself that there are no underground services that may present a danger to his operatives.</p> <p>If underground services have not been identified by the client / contractor, prior to operations commencing. The contractor or client will be requested to CAT and Genny Scan the area before any work can commence.</p> <p>Where underground services do exist, they are to be clearly marked using paint/chalk and annotated on any site diagrams</p> <p>Safe digging techniques are to be used at all times when digging near to underground services.</p> <p>When digging next to underground services, only insulated hand tools are to be used.</p> <p>Mechanical tools are not to be used for digging within 1 metre of an identified underground service.</p> <p>Emergency and Utility Company's telephone numbers should be gained from the client/main contractor prior to any work commencing. Should any underground service be struck. Work is to stop immediately, barriers are to be erected and the area cordoned off until such a time that the incident has been cleared and permission to restart work has been gained from the Utility Company.</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
<p>Plant running/falling into excavations</p> <p>Serious injury, fatality</p>	5	3	15	<p>All excavations will be cordoned off and warning signage will be conspicuously displayed, warning of the dangers and alerting any other vehicle or plant operators to the presence of the excavation.</p> <p>If deemed necessary, stop blocks should be used around the area of the excavation.</p> <p>Plant is not to be left running while the operative is out of the cab or away from the vehicle.</p> <p>If plant is used and left running adjacent to excavation, gas testing before entry will be actioned and monitoring of the possibility of gas / fume ingress will be actioned.</p>	5	1	5

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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 all materials are cleared away from access and egress areas</p> <p>Ensure that and vehicle access points, steps etc are free from mud.</p>	3	2	6

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