



ATM-RISK ASSESSMENT

TASK:	Working near Overhead Lines	RA No:	ATMRA2020/027				
EQUIPMENT / MATERIALS USED	Mobile Plant, Mobile Scaffolds, Fencing Materials						
PERSONS AT RISK:	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
Electrocution due to contact with overhead electricity cables or flashover	5	3	15	<p>Where possible the company will request that power cables be made dead prior to any work being carried out. This will usually be carried out by the main contractor/client.</p> <p>Where power overhead power cables are still live, operatives will not be permitted to work in any areas other than pre-designated safety zones.</p> <p>All overhead lines must be clearly marked on drawings.</p> <p>If any work is to take place within 10 metres of an overhead line there must be full discussion with the Site Safety Officer and operational plans must be drawn up to ensure safe working conditions.</p> <p>The following boundaries must be established, ,</p> <p>11kv & 33kv exclusion zone 3m either side of vertical to the line 132kv exclusion zone 6m either side of vertical to the line 275kv & 400kv exclusion zone 6m either side of vertical to the line</p> <p>If it is necessary to utilise ladders, scaffold, tele handlers etc. near to power lines the electricity Company MUST be consulted as to safe distances to be maintained.</p> <p>In NO circumstances must ladders etc. be brought within 6 metres of a live line.</p>	5	2	10
Damage to poles/pylons from machinery	2	3	6	<p>If it is necessary to work near to O/H lines barriers must be erected to prevent machinery straying' beyond the safety distance.</p> <p>If it is necessary for vehicles and plant to pass underneath Overhead lines a height restricting barrier must be erected. (Timber/plastic, marked with hi-viz tape).</p>	2	2	4

ATMRA2020/027	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 2
		7 – 11 = Medium Risk		
		12+ = High Risk		



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	S	L	RL		S	L	RL
Risk of induced voltage occurring in the metal components of fencing	5	2	10	If fencing work is to be carried out within 10 metres of overhead electricity lines there must be full consultation with the electricity Company. The following boundaries must be established, , 11kv & 33kv exclusion zone 3m either side of vertical to the line 132kv exclusion zone 6m either side of vertical to the line 275kv & 400kv exclusion zone 6m either side of vertical to the line	5	1	5
Disruption of services				Any contact with overhead services must be reported immediately to ATM's Office Although a disruption to electrical services may not be detrimental to the immediate work being carried out on site. It is possible that it could have more serious safety and commercial consequences elsewhere.			
All works planned to be carried out with overhead powerlines within the working area, shall be completed in accordance with the HSE guidance "<i>Avoiding danger from overhead power lines - GS6</i>".							

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