

Risk Assessment

RA042 – Cutting Up Ropes



ABI Equipment Ltd	Creation Date: 20/09/21
Cutting Up Ropes	

Main Hazards are:	
Slips and trips	Rope whip
Fumes	Vibration
Sparks	Fire
Persons / Property affected	
All Employees	General Public

Assessment of Risk:	Severity	4	X	Likelihood	3	= Risk	12
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Control Measures already in Place	PPE Required
1. The area where the ropes are to be cut must be away from walkways and in a clear segregated area	Safety helmets <input type="checkbox"/>
2. The appropriate breathing apparatus should be worn, and the area should be well ventilated	Hi-Vis Jackets <input type="checkbox"/>
3. Where possible the ropes should be cut up outside ensuring the wind is not taking the fumes into nearby buildings	Safety footwear <input checked="" type="checkbox"/>
4. The correct PPE should be worn to protect against sparks & rope whipping	Eye protection <input checked="" type="checkbox"/>
5. The rope should be secured to prevent movement whilst cutting	Dust masks <input checked="" type="checkbox"/>
6. The rope should be cut so that the two halves fall apart and to prevent the cutting disc jamming	Ear plugs <input type="checkbox"/>
7. Reference should be made to the vibration data of the tools being used.	Earmuffs <input checked="" type="checkbox"/>
8. Cutting should be kept to as short a duration as possible	Gloves <input checked="" type="checkbox"/>
9. Vibration notebook should be completed	Protective overalls <input checked="" type="checkbox"/>
	Gauntlets <input checked="" type="checkbox"/>
	Harnesses <input type="checkbox"/>
	Breathing apparatus <input type="checkbox"/>
	Face masks <input checked="" type="checkbox"/>

Assessment of Risk:	Severity	3	X	Likelihood	3	= Risk	9
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Additional Controls required	PPE/Equipment
The employee must be adequately trained and competent to cut up ropes	
Newly trained staff should be supervised until a suitable level of competency has been achieved	
Total time spent working with tools that vibrate should be properly monitored. See RA050 Vibration at work	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	03/08/2022
Updated by	Ash Soliman	04/10/2024
Review by:	Ash Soliman	04/10/2024

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RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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Prepared by	Cathy Sheehan
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