

GENERIC RISK ASSESSMENT PETROL POWERED CUT-OFF SAWS

Canal: Grand Union Canal, Wendover Arm	Site address: Little Tring, Hertfordshire, HP23 4NR	<i>All work to be carried out with accordance with HSE Guidance note HSG150</i>
Work Location: Little Tring to Whitehouses	Operation: Use of petrol powered cut-off saws (aka disc cutters or brick saws)	RA Sheet No: WATRA 18
		Date Task Starts: To be confirmed

Likelihood (L):

1	EU	Extremely Unlikely
2	U	Unlikely
3	L	Likely
4	VL	Very Likely
5	AC	Almost Certain

Severity (S):

1	FAC	First Aid Required
2	LTI	Lost time injury
3	>3d	Time off work more than 3 days
4	MI	Major Injury
5	F	Fatal

Risk Level = LxS



Risk Level High / Medium / Low

AC	5	10	15	20	25
VL	4	8	12	16	20
L	3	6	9	12	15
UL	2	4	6	8	10
EU	1	2	3	4	5
	FAC	LTI	>3D	MI	F

HSE Information sheet CIS54 and others have informed this risk assessment.

No.	TASK	HAZARD	WHO IS EXPOSED AND HOW	RISK LEVEL				CONTROL MEASURES	NEW RISK LEVEL				FURTHER ACTION
				L	S	R	RL		L	S	R	RL	
1	Cutting all materials but especially stone, concrete & bricks	Lung damage from dust especially silica dust	General public breathing in dust	2	3	6	M	Only use saw in area away from public. If essential to use where public have access, stop if public approach.	1	3	3	L	If in public area, use marshals to keep public away and direct operator to stop.
2	Cutting all materials but especially stone, concrete & bricks	Lung damage from dust especially silica dust	Restoration volunteers breathing in dust	4	4	16	H	Use water to suppress dust using saw attachment delivering ≥0.5 l/min. Wear respirators with APF ≥20 (P3 filter) (not dust masks). Exclusion zone around saw when cutting.	1	4	4	M	Size/shape of exclusion zone to be decided on site depending on wind & site layout.
3	Cutting all materials	Hearing damage due to noise	Restoration volunteers – operator & anyone nearby.	4	4	16	H	Operator & anyone nearby wear ear defenders.	1	4	4	M	

4	Cutting all materials	Hand Arm Vibration	Restoration volunteers – operator	3	3	9	H	Operator wears gloves. Limit exposure to <1 hour/day.	2	3	6	M
5	Cutting all materials	Eye injury from dust/ejected debris	Restoration volunteers – operator & anyone nearby.	5	3	15	H	Operator & anyone nearby wear goggles (not safety glasses).	2	3	6	M
6	Cutting metal	Fire/injury caused by sparks	Restoration volunteers – operator. Environmental damage.	3	2	6	M	Undertake metal cutting in bare area wherever possible. Operator stands with legs out of stream of sparks. Operator wears suitable boots & long trousers.	1	2	2	L
7	Refuelling with petrol	Fire caused by spillage onto exhaust and/or operator.	Restoration volunteers – operator	3	5	15	H	Training includes safe refuelling. Allow saw to cool before refuelling. Fuel on bare ground >3m away from work area. Move >3m away before starting or using saw.	1	5	5	M
8	Starting or using saw.	Contact with rotating disc due to losing control of saw.	Restoration volunteers – operator & anyone nearby.	2	5	10	H	Exclusion zone around saw when starting or cutting. Training includes safe operation. Always start saw on ground. Always hold with 2 hands when cutting.	1	5	5	M
9	Cutting all materials	Workpiece moving causing blade to jam/shatter	Restoration volunteers – operator & anyone nearby.	3	4	12	H	Training includes restraint of workpiece. PPE provides protection.	2	4	8	M

CAN THE JOB PROCEED? <i>(Tick one box)</i>	<input type="checkbox"/>	Safe using existing control measures	
	<input checked="" type="checkbox"/>	Safe using existing + additional control measures	
	<input type="checkbox"/>	Not safe to proceed	
ARE THERE ANY LONG TERM CONTROLS?	Carry out a dynamic Risk Assessment when you arrive on site and adapt the Risk Assessment to suit any changes that may have occurred, particularly weather conditions.		
ASSESSED BY:	Name: Mike Wright H & S Coordinator	  Name (signed) <small>Mike Wright H & S Coordinator Signed by: M Wright signature</small>	Date: 1/9/2020
AUTHORISED BY:	Name (Printed)	Name (Signed)	Date:

Guidance on Completing a Risk assessment

Part of managing health and safety on site is controlling the risks in the work place. You need to think about what may cause harm to people and decide whether you are taking reasonable steps to prevent that harm. This is known as a risk assessment and is something that you are required to carry out by law.

A risk assessment is not about creating huge amounts of paperwork, but rather about identifying sensible measures to control the risks in your workplace.

Think about how accidents and ill health could happen and concentrate on real risks – those that are most likely and which will cause the most harm.

Definitions

- **Hazard:** Anything that may cause harm, such as chemicals, electricity, working at height or near water, uneven ground, plant and tools.
- **Risk:** The chance, high or low, that somebody could be harmed by these and other hazards, together with an indication of how serious the harm could be

Steps to writing a Risk assessment

For any task or activity to be undertaken;

- ◇ Identify the hazards. Think about the activities, processes or substances that could injure your volunteers or harm their health.
- ◇ Decide who might be harmed and how. For each hazard you need to be clear who might be harmed, volunteers and others not carrying out the task.
- ◇ Evaluate the risks and decide on controls to reduce the risk. How likely is the hazard to cause harm and what would the severity be. What can be done to reduce the risk, you do not need to eliminate the hazard.
- ◇ Record your significant findings. Make a record of the hazards, how people may be harmed and what you have in place to control the risks. Any record should be simple and focused and communicated to everyone involved in the task.
- ◇ Review your assessment and update if necessary. If there have been any significant changes or improvements need to be made. Consult your volunteers. Learn from any accidents or near misses.

Using this Example Risk Assessment

Firstly the heading boxes need to be completed with the details of your site.

The intention of the author is to try to identify all possible hazards for this activity. Not all the items above will apply to your site. You need to consider the hazards that are present on your site and adapt your site specific risk assessment accordingly. You may also need to review the possible control measures and adapt your risk assessment.

The list is not exhaustive. If you identify any additional hazards, risk assess them following the procedure above. Please let the IWA Restoration Hub know of any additional hazards so that this example risk assessment can be updated.