



ToolBox Talk Meeting Report

Date:		Site/Project:	
Division:		Supervisor:	

Topic for Review: Cut-Off Machine

Frequent Hazards Experienced: (Check off items that are applicable to this talk)

- | | | |
|--|--|--|
| <input type="checkbox"/> Housekeeping | <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> Confined Spaces |
| <input type="checkbox"/> Hazard Awareness | <input type="checkbox"/> Safety Procedures | <input type="checkbox"/> First Aid |
| <input type="checkbox"/> WHMIS | <input type="checkbox"/> Actuated Tools | <input type="checkbox"/> Temporary Power |
| <input type="checkbox"/> OHS | <input type="checkbox"/> Hygiene | <input type="checkbox"/> Access / Egress |
| <input type="checkbox"/> Lock Out /Tag Out | <input type="checkbox"/> Scaffolds | <input type="checkbox"/> Temporary Lighting |
| <input type="checkbox"/> Fire Protection | <input type="checkbox"/> Elevated Work Platforms | <input type="checkbox"/> Ramps / Stairs |
| <input type="checkbox"/> Ladders | <input type="checkbox"/> PPE | <input type="checkbox"/> Material Storage |
| <input type="checkbox"/> Guardrails | <input type="checkbox"/> Welding/Cutting | <input type="checkbox"/> Regulations / Legislation |
| <input type="checkbox"/> Arc Flash | <input type="checkbox"/> Other: | |

Discussion Notes/Job Site Hazards to be Addressed/ Followed Up:

Please Retain Original on Site for your Records and contact HSE for any inquiries.



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Attendees:

Print Name	Initials
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Print Name	Initials
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Cut-Off Machine

The purpose of this training is to provide safety tips to avoid cut-off machine kickbacks and other injuries. Kickback can result in serious injury or death to the person operating the saw. Kickback most often occurs when the top front quadrant of the blade binds while cutting another object. Binding in this area can throw the saw violently back toward the operator. Kickback injuries are one of the most common that occur when using a cut-off machine, but there are also dangers when using the blade improperly.



Safe Work Practices

- Whenever possible, use the cut-off machine in a cart with an integrated water mist spray
- Never cut above shoulder height
- Be sure all other people are at least 6' away
- Brace whatever you are cutting to prevent slipping, rolling, and binding
- Keep the guard in its most forward position (covering more of the wheel)
- Never allow the top front quadrant of the wheel to be in a position where it could bind
- Always wear protective gloves, safety glasses, a face shield, and hearing protection
- Always firmly grip the saw with both hands
- When carrying any distance, turn the engine off, and carry the saw with the muffler away from your body
- The saw should be started on the ground (refer to the manual)



The best way to use a cut-off machine is in a manufacturer-approved cart; hand use of the saw should be avoided. Simple controls allow the operator to adjust the depth and make long straight cuts using water (for dust control). Cutting from a standing position is far more comfortable than crouching (as in hand use).

Blades or wheels must be rated for the material being cut, the correct RPM for the saw, the right size, installed in the correct direction, and installed per the manufacturer's instructions. In some cases, a special bushing is required to adapt the wheel to the saw. If these rules are not followed, the blade could not only come loose, it could shatter and explode, throwing shrapnel in all directions.

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We commonly use 3 types of wheels

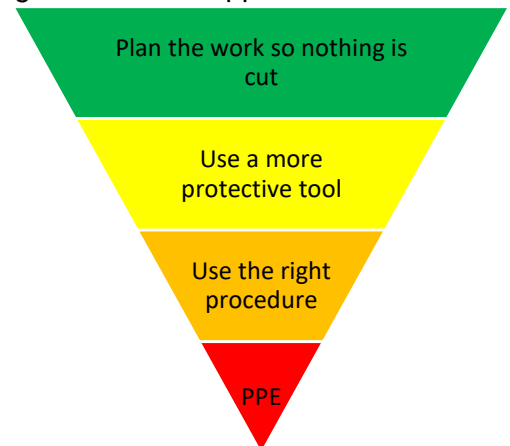
- Diamond wheel for concrete
- Diamond wheel for asphalt
- Abrasive blade for steel and ductile



Blades should only be used for the specific type of material they are designed for. Using them to cut something else puts the operator and anyone nearby at extreme risk. After an abrasive wheel has been used with water, it must be discarded. Additionally, using the wrong wheel also reduces the life of the blade dramatically.

Silica is another health hazard whenever cutting material with natural rock, such as concrete or asphalt. To protect the long-term health of your lungs, the mandated use of integrated water suppression whenever cutting these is required. If you are cutting for longer than 8 hours, you may need to also wear a respirator, which requires being enrolled in a Respirator Protection Program.

Noise is another serious health hazard. If not controlled, using a gas-powered cut-off machine for more than 15 minutes will almost certainly damage your hearing. This could lead to hearing loss or tinnitus (ringing in your ears). Based on our most recent tests, you must wear both plug-type and muff-type hearing protection together. Even with both of these on, a single person is only allowed to operate the saw for up to 15 minutes. Using the saw in a cart, because of the increased distance, allows you to operate the saw for up to 8 hours.



Safety Features to Inspect:
<ul style="list-style-type: none"> • On/off switch • Blade guard • Safety trigger lock • Spark arrestor • Hand guard

PPE Required:
<ul style="list-style-type: none"> • Leather cut resistant gloves • Safety glasses • Face Shield • Hearing Protection • Leather boots

Another hazard with saws is the fire potential

- An approved safety container shall be used to contain the fuel
- The proper spout or funnel shall be used for pouring
- Smoking is prohibited while the tank is being filled
- Maintain a fire watch for at least 30 minutes after any heat or spark generating work