

## Task: Power Tools - Torching

Date: March 2006

**PPE: Safety boots, Hard Hat, hearing protection, safety shield, heavy gloves, fire extinguisher, ventilation**

<b>Task/Activity:</b>	<b>Potential Hazards</b>	<b>Recommended Procedures</b>
1. Obtain any required permits/ approval for area in service		
2. Ensure a fire extinguisher is near- by		
3. Ensure fuel lines have regulators Check safety valves Do a full inspection		
4. Check for leaks	a) leaks could cause explosion	a) ensure that there are no leaks
5. Store fuel secured in upright pos- ition	a) fuel tanks could fall over and explode	a) secure fuel tanks
6. Ensure area is well ventilated	a) hazardous fumes could accumulate while torching	a) ensure correct ventilation, use air filtration system if necessary
7. Warn other workers in area Set up flash screens if necessary	a) other workers could come in contact with fumes or flashes	a) communicate with other work- ers b) use flash screens
8. Use fire resistant materials to con- trol slags and sparks when working overhead		
9. Do not enter or use torch in a con- fined space without gas testing and a safety lookout	a) worker could be overcome by gas/fumes	a) follow confined spaces pro- cedures
10. Clean material of debris or oils		
11. Ensure torch tips are clean	a) debris could stop clear flow of flame	a) use a torch tip cleaner to clean any build-up b) do not use tips as a hammer
12. Open valves slowly Acetylene 1/4 turn, oxygen fully open	a) flame could become uncon- trolled	a) ensure wrench for opening valves is kept on valve when in use
13. Always use a striker, never matches or a lighter		

**All welders must be certified by the Canadian Welders Bureau  
Operators must be trained before using torches**