

Task: Power Tools - Welding

Date: March 2006

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

| Task/Activity: | Potential Hazards | Recommended Procedures |
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| 1. Obtain any required permits/ approval for area in service | | |
| 2. Ensure a fire extinguisher is near-by | | |
| 3. Ensure fuel lines have regulators | | |
| 4. Review blueprints as needed | | |
| 5. Remove dust, oil and other debris | a) eye contamination b) dust contamination | a) wear PPE |
| 6. Check for fuel leaks | a) leaks could explode | a) ensure there are no leaks |
| 7. Store fuel secured in upright position | a) fuel tanks could fall over and explode | a) secure fuel tanks |
| 8. Ensure area is well ventilated | a) hazardous fumes could result in injury | a) ensure proper ventilation and use air filtration system required |
| 9. Warn other workers in the area Use flash screens as needed | a) other workers could come in contact with fumes or flashes | a) communicate with other workers b) use flash screens |
| 10. Use proper rods, spools and heat for thickness and type of steel | | |
| 11. Ground material with ground cable | | |
| 12. Use fire resistant materials to control slag and sparks when working overhead | | |
| 13. Do not enter or weld in a confined space with gas testing and a safety lookout | a) worker could be overcome by gas | a) follow confined spaces procedures |
| 14. Open all valves slowly | a) flame could become uncontrolled | a) ensure wrench for opening valves is kept on the valve spindle when in use |
| 15. Inspect welded product for bum holes or other defects | a) structural soundness | a) ensure a good weld |

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