

Metal Inert Gas Welding

Facility:	Written By:	Approved By:	Date Created:	Date of Last Revision

Hazards Present:	PPE or Devices Required:	Additional Training Required:
Burns	Steel toed boots	Fire extinguisher training
Flashover	Welders mask	Welder Training
Inhalation of gases	Leather gauntlet gloves	WHMIS
Electrical shock	Long sleeves	
	Welding curtain	
	Fire Extinguisher	

Safe Work Procedure:

- 1) Only qualified personnel may perform welding activities.
- 2) Inspect work area, welding unit, and welding mask.
- 3) Carefully clean off object to be welded.
- 4) Check electric cord and hoses
- 5) Open gas until pressure reaches 25 psi on flow meter.
- 6) Hook grounding clamp onto object to be welded.
- 7) Spray weld primer onto anything to be welded.
- 8) Plug in and turn on welding machine.
- 9) Conduct several test welds on scrap metal to achieve the proper wire feed speed.
- 10) Adjust wire and begin actual welding task.
- 11) Chip away the slag using a hammer.
- 12) Turn off gas, pull trigger to let out excess gas, turn off and unplug machine.
- 13) Unhook grounding.
- 14) Roll up cables

If an emergency situation occurs while conducting this task, or there is an equipment malfunction, engage the emergency stop and follow the lock out procedure

REPORT ANY HAZARDOUS SITUATIONS TO YOUR SUPERVISOR

<p>Guidance Documents/Standards:</p> <p>MB Workplace Safety & Health Act & Regulations:</p> <p>2.1 Safe Work Procedure</p> <p>5 First Aid</p> <p>6 Personal Protective Equipment</p> <p>17 Welding & Allied Processes</p>	<p>This Safe Work Procedure will be reviewed any time the task, equipment or materials change and at a minimum of every three years</p>
	<p>Reviewed By WSH Committee:</p> <p>Date:</p>