

## Safe Work Procedure

### 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 Flash Electrical shock Inhalation of gases	Steel toed boots Leather and Gauntlet gloves Welder's mask Long sleeves Flameproof apron	Fire Extinguisher Training Welder Training WHMIS

Safe Work Procedure:
<ol style="list-style-type: none"> <li>1 Inspect work area, welding unit, and welding mask</li> <li>2 Carefully clean off object to be welded</li> <li>3 Open gas until pressure reaches 25 psi on flow meter</li> <li>4 Hook grounding clamp onto object to be welded</li> <li>5 Spray weld primer onto anything to be welded</li> <li>6 Plug in and turn on welding machine</li> <li>7 Conduct several test welds on scrap metal to achieve the proper wire feed speed</li> <li>8 Adjust wire and begin actual welding task</li> <li>9 Chip away the slag using a hammer</li> <li>10 Turn off gas, pull trigger to let out excess gas, turn off and unplug machine</li> <li>11 Unhook grounding</li> </ol>

***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**

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