

# A Safe Workplace

## A Workplace Safety and Health Manual for Your Community

|                   |   |                             |
|-------------------|---|-----------------------------|
| Section:<br>III-C | Rules Procedures, Practices<br>and Guidelines | Page 1 of 1                 |
|                   |   | Approved By: Harvey Bostrom |
| Subject:<br>G-3   | Pipefitting                                   | Effective: April 01, 2005   |
|                   |   | Revised: April 1, 2011      |

**PPE Required:** Steel-toe boots, safety glasses or face shield, hard hat, gloves, coveralls, fire extinguishers, first aid kit

**Preparation:**

1. Ensure area is free of toxic gases. Use an appropriate and calibrated gas detector for atmosphere testing. Wear SCBA if the atmosphere is or could become hazardous.
2. Secure the area.
3. Ensure all tools are clean and in proper working condition and that all repair parts are handy.

**Steps:**

1. Set up barricades if required using *Barricade Procedure* (section III-C-G6).
2. Isolate section of pipe to be repaired by slowly closing valves. Lock valves in closed position. Refer to part 16 *The Manitoba Workplace Safety and Health Act and Regulations* and SWP G-11 in Section III-E of ASW manual on lockout.
3. Disassemble pipe, making sure there is no pressure in the pipe before you start removing unions or flanges.
4. As work is underway, monitor closely to ensure there are no gasses released into the area.
5. Ensure other workers are available to assist when required.
6. If pipe cutting is required the pipe should be cut away from work area. Ensure pipe is secured with clamps or vise prior to cutting.
7. Ensure Teflon tape is used on threaded joints of different material.
8. When fusing solvent weld joints, ensure there is adequate ventilation.
9. Fusing solvent weld joints must be performed by trained personnel.
10. Clean work area.
11. Remove locks and slowly release pressure into the new section and test each joint for leaks.
12. Remove barricades using *Barricade Procedure* (Section III-C-G6).