

Buechel Fire Protection District

SAFETY POLICIES

SP-0020

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Title: **Welding and Cutting Safety**

Approval Date – 7-15-1999

Section	Instruction
1.	<p><u>Purpose</u></p> <p>Following safe procedures when welding and cutting prevents fires, explosions, and the potential for eye injuries.</p>
2.	<p><u>Scope</u></p> <p>This section describes requirements for welding and cutting jobs. These requirements are minimum standards that protect personnel and equipment from fire, explosion, and other hazards. Personnel who perform welding and cutting shall be trained to use the equipment.</p>
3.	<p><u>Requirements</u></p> <p>A. Personal Protective Equipment</p> <ol style="list-style-type: none">1. Wear appropriate eye and face protection, with filter lenses.2. Wear protective clothing that is appropriate for the job being performed.3. Set up appropriate welding curtains or screens to protect others if they must work near a welding or cutting job. <p>B. Ventilation</p> <ol style="list-style-type: none">1. Provide mechanical ventilation in areas without natural cross-ventilation to protect workers from potentially harmful gases and fumes.<ol style="list-style-type: none">a. If a fan is used, the minimum air flow rate is 2,000 cubic feet per minute (cfm) <p>C. Welding and Cutting Equipment</p> <ol style="list-style-type: none">1. Handle gas cylinders as described in Section SP0014 Compressed Gas Cylinders.2. Use equipment only in the service for which it is approved.3. Use flashback protection on oxygen and acetylene hose lines.4. Inspect welding equipment before each use. Correct any defects found before using the equipment. <p>D. Training</p> <ol style="list-style-type: none">1. Those performing cutting and welding work must be trained in the safe use of the equipment and in welding safe work practices.2. All training records will be maintain in the Training Department