Chapter 296-811 WAC
FIRE BRIGADES

WAC
296-811-100  Scope. This chapter applies if you choose to establish a fire brigade.
Definition:
A fire brigade is an organized group of employees whose primary employment is other than firefighting but who are knowledgeable, trained, and skilled in specialized firefighting operations based on site-specific hazards present at a single commercial facility or facilities under the same management.
Note: Nothing in this chapter requires you to establish an employee fire brigade.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 06-01-073, § 296-811-100, filed 12/20/05, effective 3/1/06.]

WAC 296-811-200  Establishing a fire brigade—Section contents.
Your responsibility:
To decide on brigade functions in the workplace and make sure brigade members are capable of doing them.
Organizing statement
Physical capability of brigade members
WAC 296-811-20010.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 06-01-073, § 296-811-200, filed 12/20/05, effective 3/1/06.]

WAC 296-811-20005  Organizing statement.
You must:
• Develop a written fire brigade policy that is available for inspection by employees or their designated representatives, that covers all of the following:
  – The role and responsibilities of the fire brigade in the workplace.
  – The basic organizational structure of the fire brigade.
  – The number of brigade members.
  – Type, amount, and frequency of training for brigade members according to the section Firefighting training, WAC 296-811-30010, in this chapter.

Note: You may also want to include:
• Descriptions of brigade member duties.
• Line authority of each brigade officer.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 06-01-073, § 296-811-30005, filed 12/20/05, effective 3/1/06.]
WAC 296-811-30010 Firefighting training.
You must:
• Make sure training that a brigade member receives elsewhere that meets one or more requirements in Table 1, Training for brigade members, has been:
  – Received within the past year;
  – Documented as having been received, such as with a completion certificate.
• Provide training frequently enough to keep brigade members able to do their functions satisfactorily and safely.

Note: You may choose to train more often, monthly or even weekly,

WAC 296-811-30010 Fire Brigades
Table 1, Training for Brigade Members.

<table>
<thead>
<tr>
<th>For these brigade members</th>
<th>Provide training that is</th>
<th>At these times</th>
</tr>
</thead>
</table>
| All brigade members, including leaders, trainers, and incident commanders. | • Appropriate to their assigned duties and functions.  
• Appropriate to special hazards in the workplace.  
• Similar to that of reputable fire training schools.  
• A combination of hands-on and classroom experiences.  
• Suited to the industry you are part of, such as oil refining or chemical processing. | • Initially before they do any fire brigade emergency activities;  
AND  
• Every year after initial training. |

<table>
<thead>
<tr>
<th>Brigade members assigned to do interior structural firefighting.</th>
<th>All of the above plus the following:</th>
<th>At these times plus the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Specific training in interior structural firefighting.</td>
<td>• Maintain in safe operating condition.</td>
<td>• Every quarter.</td>
</tr>
</tbody>
</table>

WAC 296-811-40005 Firefighting equipment.
You must:
• Provide appropriate firefighting equipment for the fire brigade.
• Inspect and maintain firefighting equipment according to Table 2, Fire Brigade Equipment Inspection and Maintenance.

Table 2: Fire Brigade Equipment Inspection and Maintenance

<table>
<thead>
<tr>
<th>For this equipment</th>
<th>Do the following</th>
</tr>
</thead>
</table>
| All brigade firefighting equipment. | • Inspect at least every year.  
• Maintain in safe operating condition.  
• Replace if damaged or in unsafe condition. |

WAC 296-811-40010 Protective clothing.
You must:
• Provide appropriate protective clothing for fire brigade members who do interior structural firefighting. Make sure protective clothing is:
  – Provided at no cost.
  – Meets the requirements for foot, body, hand, eye, face, and head protection found in another chapter, Safety standards for firefighters, chapter 296-305 WAC.

Exemption: • Protective clothing requirements do not apply to the following fire brigade members:
  – Those who don’t perform interior structural firefighting.
  – Those who use only standpipe systems or portable fire extinguishers to control or put out fires that are in the incipient stage only.

WAC 296-811-40015 Self-contained breathing apparatus’ (SCBAs).
• Provide SCBAs, other than escape self-contained breathing apparatus’ (ESCBAs), and make sure they are used by each fire brigade member who does interior structural firefighting.
WAC 296-811-500 Requirements during firefighting—Section contents.

Your responsibility:
To make sure brigade members use safe practices during interior structural firefighting.

Brigade members in interior structural fires
WAC 296-811-50005.

WAC 296-811-50005 Brigade members in interior structural fires.

IMPORTANT:
Nothing in this section is meant to prevent fire brigade members assigned to respond to fires from rescue activities in an immediately dangerous to life and health (IDLH) atmosphere before the whole team assigned to respond to fires has arrived.

You must:
• Make sure at least two qualified fire brigade members go together into an IDLH atmosphere and remain in visual or voice contact with each other at all times.
• Maintain standby assistance, with two people, as required by another section, Standby requirements for immediately dangerous to life or health (IDLH) conditions, WAC 296-842-19005.

Note: One of the two brigade members providing standby assistance can be assigned another role, such as safety officer, as long as the safety or health of any firefighter working the incident will not be jeopardized if the brigade member becomes unavailable through giving assistance or rescue.

Reference: More information on interior structural fires is located in another section, WAC 296-305-05001, Emergency fireground operations—Structural.

WAC 296-811-600 Definitions.

Buddy-breathing device
An equipment accessory for self-contained breathing apparatus (SCBA) that permits a second person (a "buddy") to share the air supply used by the SCBA wearer.

Extinguisher classification
The letter classification given an extinguisher to designate the class or classes of fires on which that extinguisher will be effective. For example, use a Class A extinguisher on a Class A fire. See also fire classifications.

Portable fire extinguishers are classified for use on certain classes of fires and are rated within that class for relative extinguishing effectiveness at a temperature of plus 70°F by nationally recognized testing laboratories. This is based upon fire classifications and fire extinguishment potentials as determined by fire tests.

Note: The classification and rating system described in this section is used by Underwriters' Laboratories, Inc., and Underwriters' Laboratories of Canada, and is based on extinguishing pre-planned fires of determined size and description as follows:

<table>
<thead>
<tr>
<th>Extinguisher Class</th>
<th>Fire Test for Classification and Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>Wood and excelsior fires excluding deep-seated conditions.</td>
</tr>
<tr>
<td>Class B</td>
<td>Two-inch depth gasoline fires in square pans.</td>
</tr>
<tr>
<td>Class C</td>
<td>No fire test. Agent must be a nonconductor of electricity.</td>
</tr>
<tr>
<td>Class D</td>
<td>Special tests on specific combustible metal fires.</td>
</tr>
</tbody>
</table>

Extinguisher rating (see also "extinguisher classification")
The numerical rating, such as 2A, given to an extinguisher that indicates the extinguishing potential of the unit based on standardized tests developed by Underwriters' Laboratories, Inc.

Fire brigade
An organized group of employees whose primary employment is other than firefighting but who are knowledgeable, trained, and skilled in specialized firefighting operations based on site-specific hazards present at a single commercial facility or facilities under the same management.

Fire classifications
Fires are classified based on the types of burning materials:

<table>
<thead>
<tr>
<th>Fire Class</th>
<th>Types of Burning Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>Fires involving ordinary combustible materials such as paper, wood, cloth, and some rubber and plastic materials.</td>
</tr>
<tr>
<td>Class B</td>
<td>Fires involving flammable liquids, flammable gases, greases, and similar materials, and some rubber and plastic materials.</td>
</tr>
</tbody>
</table>
Incipient fire stage
A fire in the beginning stage that can be controlled or put out by portable fire extinguishers, or small hose systems, without the need for protective clothing or breathing apparatus.

Inspection
A visual check of fire protection systems and equipment to ensure they are in place, charged, and ready for use if there is a fire.

Interior structural firefighting
The physical activity of suppressing fire, rescuing people, or both, inside buildings or enclosed structures involved in a fire that is past the incipient stage.

Maintenance
Servicing fire protection equipment and systems to ensure they will perform as expected if there is a fire. Maintenance differs from inspection in that maintenance requires checking internal fittings, devices, and agent supplies, as well as correcting deficiencies found.

Self-contained breathing apparatus (SCBA)
Self-contained breathing apparatus (SCBA) in which the air pressure in the breathing zone is higher than that of the immediate environment during both inhaling and exhaling.

<table>
<thead>
<tr>
<th>Fire Class</th>
<th>Types of Burning Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class C</td>
<td>Fires involving energized (live) electrical equipment where it is important that the extinguishing agent not conduct electricity. (When electrical equipment is de-energized, it is safe to use an extinguisher for Class A or B fires on it, since electricity is not an issue then.)</td>
</tr>
<tr>
<td>Class D</td>
<td>Fire involving combustible metals such as magnesium, titanium, zirconium, sodium, lithium, and potassium.</td>
</tr>
</tbody>
</table>

Class C
Fires involving energized (live) electrical equipment where it is important that the extinguishing agent not conduct electricity. (When electrical equipment is de-energized, it is safe to use an extinguisher for Class A or B fires on it, since electricity is not an issue then.)

Class D
Fire involving combustible metals such as magnesium, titanium, zirconium, sodium, lithium, and potassium.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060 and 29 C.F.R. 1910 Subpart Z. WSR 14-07-086, § 296-811-600, filed 3/18/14, effective 5/1/14. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 06-01-073, § 296-811-600, filed 12/20/05, effective 3/1/06.]