General Requirements

Oregon OSHA standards require employers to assess the workplace to determine if hazards are present or likely to be present that necessitate the use of personal protective equipment (PPE). Employers must provide workers with appropriate PPE and require them to use and maintain it in a sanitary and reliable condition when, based on the hazards, there is reasonable probability that an injury or illness can occur.

Personal Protective Equipment

PPE is designed to protect employees from serious workplace injury or illness resulting from contact with chemical, radiological, physical, electrical, mechanical, or other workplace hazards that cannot be eliminated. PPE is a supplementary form of protection when hazards have not been controlled through engineering or administrative controls. PPE includes a variety of garments and equipment such as goggles, coveralls, gloves, vests, earplugs, and respirators. PPE, when used properly, protects against hazards but does not eliminate them. Individual standards may require specific PPE.

Employer Responsibility

Survey your workplace

Conduct a hazard assessment to identify hazards and determine if employees need personal protective equipment. OAR 437-002-0134(1) requires a written document that certifies that the workplace has been evaluated, the date(s) of the hazard assessment, and who performed the evaluation. Hazard assessments should be re-evaluated whenever there are changes to equipment, processes, or chemicals in the workplace. See an example of a hazard assessment in Table 1, below. The hazard assessment document can be in any format as long as it meets written-document requirements.

PPE Hazard Assessment (Example)

<table>
<thead>
<tr>
<th>Activity/Tools</th>
<th>Potential hazards</th>
<th>Body part(s)</th>
<th>PPE required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace glass</td>
<td>1,7</td>
<td>c,g,h</td>
<td>III, VII</td>
</tr>
<tr>
<td>Remove trash</td>
<td>7</td>
<td>c</td>
<td>III</td>
</tr>
<tr>
<td>Replace light bulbs</td>
<td>1,4,7</td>
<td>c,h</td>
<td>III, VII</td>
</tr>
<tr>
<td>Welding</td>
<td>3,7,8</td>
<td>c,e,f,g,h</td>
<td>X (welding helmet/lens)</td>
</tr>
</tbody>
</table>

Hazard Key

1. Cut
2. Abrasion
3. Burn
4. Fall
5. Flying object
6. Noise
7. Flying particles
8. Inhalation
9. Slip
10. Splash
11. Other

Body Part Key

a. Head
b. Face
c. Eye(s)
d. Ear(s)
e. Respiratory
f. Trunk
g. Arm(s)
h. Hand(s)
i. Finger(s)
j. Leg(s)
k. Foot/feet
l. Toe(s)
m. Other

PPE Required

I. Hard hat
II. Chemical goggles
III. Safety glasses
IV. Ear plugs
V. Ear muff
VI. Body harness
VII. Gloves (list type)
VIII. Shoes/boots (list type)
IX. Respirator
X. Other

Table 1
Select appropriate equipment

Provide appropriate PPE to employees who need protection from the hazards. Select PPE that properly fits workers and ensure equipment is inspected and maintained. Communicate the PPE selection decision to employees. Require that employees use the equipment and use it correctly.

Hazard that cannot be eliminated through engineering or administrative controls are the ones to control with personal protective equipment. Table 2 matches appropriate personal protective equipment with common workplace hazards. The list is not intended to be exhaustive.

<table>
<thead>
<tr>
<th>Body Part</th>
<th>Hazard</th>
<th>Appropriate PPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes and Face</td>
<td>Flying particles or dust</td>
<td>Safety glasses with side shields, goggles, face shields, sand-blasting helmets</td>
</tr>
<tr>
<td></td>
<td>Molten metal</td>
<td>Splash goggles, face shields</td>
</tr>
<tr>
<td></td>
<td>Liquid chemicals</td>
<td>Gas-tight goggles, face shields</td>
</tr>
<tr>
<td></td>
<td>UV or IR light</td>
<td>Laser-safety lens with appropriate filter</td>
</tr>
<tr>
<td>Head</td>
<td>Falling or overhead objects</td>
<td>Hard hat, helmet</td>
</tr>
<tr>
<td></td>
<td>Electrical conductors</td>
<td>Class B hard hat or helmet</td>
</tr>
<tr>
<td></td>
<td>Power-driven machinery</td>
<td>Head covering or caps that completely cover hair</td>
</tr>
<tr>
<td></td>
<td>Molten metal</td>
<td>Heat resistant hood &amp; neck covering</td>
</tr>
<tr>
<td>Feet</td>
<td>Falling/crushing objects</td>
<td>Steel-toed shoes/boots, metatarsals,</td>
</tr>
<tr>
<td></td>
<td>Puncture hazards</td>
<td>Puncture resistant soles</td>
</tr>
<tr>
<td></td>
<td>Electrical conductors</td>
<td>“Electrical-hazard” shoes</td>
</tr>
<tr>
<td></td>
<td>Hot substances</td>
<td>Leggings or leg or foot guards</td>
</tr>
<tr>
<td></td>
<td>Chemicals</td>
<td>Chemical-resistant footwear</td>
</tr>
<tr>
<td>Hands</td>
<td>Chemicals</td>
<td>Select according to vendor glove charts, standard industry practices, process knowledge, etc. Consider dexterity requirements and fit.</td>
</tr>
<tr>
<td></td>
<td>Cuts and lacerations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Punctures</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Temperature extremes</td>
<td></td>
</tr>
</tbody>
</table>

Train employees

Although not required, employers should keep a record of employees who receive PPE training. The record should document the worker’s name, the type of training, and the training date. Employees must receive the following training:

- What PPE is necessary
- When PPE must be worn
- How to put on, adjust, wear, and remove PPE
- The limitations of PPE
- Proper care, maintenance, and useful life of PPE
- When to replace worn-out PPE
- How to discard contaminated PPE

Employees must demonstrate an understanding of the training topics and the ability to use PPE before being allowed to perform work requiring the use of PPE. When an employee does not demonstrate an understanding or exhibit an adequate skill level, the employer is responsible for retraining. Retrain when changes in the workplace or PPE make previous training obsolete.

The Respiratory Protection Standard, 1910.134, has an annual training requirement with specific training topics. Review application standards to ensure training requirements are being met.

Resources

Oregon OSHA primary PPE standards are in OAR 437, Division 2/1, General Industry/Personal Protective Equipment. However, you can find PPE requirements in General Industry, Construction, Agriculture, Maritime Activities, and Forest Activities. For the full text of the rules adopted by Oregon OSHA, refer to OAR 437 rules at osha.oregon.gov (Rules/Laws).

www.osha.gov/Publications/osha3151.pdf
www.osha.gov/SLTC/personalprotectiveequipment/index.html

American National Standards Institute (ANSI) standards

The Standards and Technical Resources Section of Oregon OSHA produced this fact sheet to highlight our programs, policies, or standards. The information is from the field staff, research by the technical resources staff, and published materials. We urge readers to consult the actual rules as this fact sheet information is not as detailed.