



# **HIOSH**

## **Small Business Safety and Health Handbook**

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# About This Handbook

The Hawaii Occupational Safety and Health Division (HIOSH), a division of the State of Hawaii, Department of Labor and Industrial Relations, is providing this booklet to owners, proprietors, and managers of small businesses. For a copy of this publication, contact the HIOSH Consultation and Training Branch by calling (808) 586-9100 or by emailing [DLIR.HIOSH.CT@hawaii.gov](mailto:DLIR.HIOSH.CT@hawaii.gov).

Small business owners may find this handbook useful for meeting the legal requirements imposed by, and under, the authority of the Hawaii Occupational Safety and Health Law, Chapter 396 of the Hawaii Revised Statutes (HRS) and for achieving voluntary compliance prior to an inspection performed pursuant to the Law.

This handbook is based on the U.S. Department of Health and Human Services, National Institute for Occupational Safety & Health (DHHS, NIOSH) and Occupational Safety and Health (OSHA) Small Business Safety and Health Handbook (DHHS Publication Number 2021-120 – revised July 2022/OSHA Publication Number 2209-07R 2022), the entire text of which is available on OSHA’s website at <https://www.osha.gov/sites/default/files/publications/small-business.pdf>. Other materials included are from the HIOSH standards and other requirements in effect at the time of publication, and upon generally accepted principles and best practices within the occupational safety and health field.

This publication is not intended to be a legal interpretation of the provisions of the Occupational Safety and Health Act of 1970 or the Hawaii Occupational Safety and Health Law (HRS 396), nor is it intended to place any additional requirements on employers or employees.

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Find more information at the Hawaii Occupational Safety and Health Division (HIOSH) website at: <https://labor.hawaii.gov/hiosh/>

# Safety and Health Programs

## Value of a Safety and Health Program

Every year, more than 5,000 workers are killed on the job (average of 14 deaths per day), and more than 3.6 million suffer a serious job-related injury or illness. Even one serious workplace injury or illness can have a devastating impact on a small business, including costs associated with higher workers' compensation premiums, medical expenses, legal fees, replacement worker training, lost productivity, equipment repairs, and lower worker morale – to say nothing of the overwhelming personal impacts.

Implementing a safety and health program helps businesses:

- **Prevent** workplace injuries and illnesses
- **Improve** compliance with laws and regulations
- **Reduce** costs, including significant reductions in workers' compensation premiums
- **Engage** workers
- **Enhance** social responsibility goals
- **Increase** productivity and enhance overall business operations

Small employers like you place a high value on the well-being of your workers. Like many small businesses, you may employ family members and personal acquaintances. And, if you don't know your workers before they are hired, the size of your workplace will promote the closeness and concern for one another that small businesses value.

HIOSH, OSHA, and NIOSH provide helpful resources and want to work with you to promote a safe and healthful workplace. Employers that make job safety and health a real part of their everyday operations will benefit in the long run.

Investing in a safety and health program now will help you avoid possible losses in the future. A safe business is a sound business.

The main goal of a safety and health program is to prevent workplace injuries, illnesses, and deaths, as well as the suffering and financial hardship these events can cause for workers, their families, and employers. Traditional approaches are often reactive; that is, problems are addressed only after a worker is injured or becomes sick, a new standard or regulation is published, or an outside inspection finds a problem.

OSHA's [Safe + Sound campaign](#) encourages every workplace to have a safety and health program. Through this campaign, OSHA works with NIOSH and other organizations to provide [resources](#) to help employers develop safety and health programs and to recognize the successes of these programs.



Photo: iStock

## Implementing a Safety and Health Program

OSHA's [Recommended Practices for Safety and Health Programs](#) use a proactive approach to managing workplace safety and health, recognizing that finding and fixing hazards before they cause injury or illness is a far more effective approach. The Recommended Practices present a step-by-step approach to implementing a successful safety and health program, built around seven core elements:

- Management leadership
- Worker participation
- Hazard identification and assessment
- Hazard prevention and control
- Education and training
- Program evaluation and improvement
- Communication and coordination for host employers, contractors, and staffing agencies

OSHA's website includes tools to help employers implement safety and health programs, including:

- [how to get started](#),
- a safety and health program [self-evaluation tool](#),
- a safety and health program [implementation checklist](#), and
- a safety and health program [audit tool](#).

You can begin with a basic program, set simple goals, and grow from there. If you focus on achieving goals, monitoring performance, and evaluating outcomes, your workplace can progress to higher levels of safety and health achievement.



Photo: iStock

By developing and implementing a safety and health program, you are expressing and documenting your good faith and commitment to protecting your workers' health and safety. Doing so does not usually require additional workers or high costs. You can integrate safety and health into your other business functions with modest effort.

The key to a successful safety and health program is to see it as a part of your day-to-day business operation. As you incorporate it into your business culture, safety and health awareness will become second nature to you and your workers, leading to a safe and sound business.

Every workplace should have a safety and health program that includes management leadership, worker participation, and a systematic approach to finding and fixing hazards. Regular workplace inspections are an important tool for identifying hazards and fixing them.

# Workplace Self-Inspection

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An effective way to identify workplace hazards is for knowledgeable and experienced workers to conduct routine safety and health inspections (i.e., self-inspections). The only way to know if potential hazards exist and if they are under control is to assess work processes directly.

Small business employers should conduct routine workplace self-inspections to:

- identify hazards,
- control identified hazards, and
- monitor and evaluate hazard controls to verify that they continue to be effective.

Consultants from [HIOSH's On-Site Consultation program](#) can help small business employers with this process at no cost. Call (808) 586-9100.

## Self-Inspection Checklists

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The checklists in the handbook are intended for general industry workplaces, but not for construction or maritime industries. They are a starting point for identifying workplace hazards. The checklists can give you some indication of where to begin taking action to make your business safer and more healthful for your workers. The checklists are based on several sources, including HIOSH standards and generally accepted safety and health principles. Do not use the checklists to assess your compliance with HRS 396 or HIOSH standards.

Compile information from your completed checklists with workplace injury and illness records, worker training information, and process and equipment information (e.g., maintenance logs, failure incident reports) to help you determine where challenges exist. Refer to HIOSH standards, resources on the [OSHA or HIOSH website](#), and other resources listed in this handbook to find solutions to those challenges. At the end of each checklist, you will find a link to additional resources on that topic.

**These checklists are not all-inclusive and not all of the checklists will apply to your business.** You might want to start by selecting the checklists that apply to areas that are most critical to your business, then expanding your checklists over time to cover all areas that pertain to your business. Consider adding or deleting items from a checklist to more accurately cover your work processes.



Photo: iStock

Company name:

Worksite:

Specific worksite area:

Inspected by:

Date:

## General

Safety and Health Programs	Yes	No	N/A	Comments
A safety and health program is in place to help proactively manage safety and health in the workplace. A written program is required for employers with 10 or more employees.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety and health is a top priority.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety and health is a part of daily conversations with workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A procedure is in place for workers to report injuries, illnesses, incidents (including near misses/close calls), hazards, and safety and health concerns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained how to identify and control hazards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workplace inspections are conducted with workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are asked for ideas on hazard control.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are assigned the task of choosing, implementing, and evaluating hazard controls they come up with.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Safety and Health Programs	Yes	No	N/A	Comments
Foreseeable emergency scenarios are identified and instructions are developed on what to do in each case.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are consulted before significant changes are made to the workplace, work organization, equipment, or materials in order to identify potential safety or health issues.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Time is set aside to discuss safety and health issues, with the goal of identifying ways to improve the safety and health program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA: [Recommended Practices for Safety and Health Programs](#)
- OSHA: [Safety Pays Program](#)
- American Society of Safety Professionals: [Guidance Manual — Keep Your People Safe in Smaller Organizations \(GM-Z10.101\)](#)

General Work Environment and Housekeeping	Yes	No	N/A	Comments
The workplace is clean, orderly, and sanitary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workplace floors are maintained in a dry condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Where wet processes are used, drainage is maintained and false floors, platforms, mats, or other dry standing places are provided, where practicable, or workers use appropriate footwear.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Enclosed workplaces are maintained to prevent the entrance or harborage of rodents, insects, and other vermin; and a continuing and effective extermination program is instituted where their presence is detected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not eat or drink in any areas where hazardous substances are present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combustible scrap, debris, and waste are stored properly and promptly removed from the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Covered metal waste cans are used for rags soaked in oil, flammable/combustible liquid, paint, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vacuuming and non-vigorous sweeping are used in place of blowing down with compressed air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When it is necessary to blow down in place of vacuuming and sweeping, compressed air pressure is limited to 30 psi, and dust clouds are kept to a minimum.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

General Work Environment and Housekeeping	Yes	No	N/A	Comments
General dilution or local exhaust ventilation systems are used to control dusts, vapors, gases, fumes, smoke, solvents, or mists generated in the workplace, where possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clear space is maintained in front of electrical panels; minimum 3 feet in front, and at least the width of the panel, but not less than 2 ½ feet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate precautions are taken to maintain exits, and protect workers during construction, renovation, and repair operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - 29 CFR 1910.22, General Requirements for Walking and Working Surfaces
  - 29 CFR 1910.36, Design and Construction Requirements for Exit Routes
  - 29 CFR 1910.37, Maintenance, Safeguards, and Operational Features for Exit Routes
  - 29 CFR 1910.141, Sanitation
  - \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Restrooms and Sanitation Requirements](#)
- OSHA: [Indoor Air Quality](#)
- NIOSH: [Indoor Environmental Quality](#)
- NIOSH: [Office Environment](#)

Posting of Required Safety and Health Information	Yes	No	N/A	Comments
<p>The required HIOSH Job Safety and Health Poster (or state plan equivalent) is posted in a prominent location in the workplace.</p> <p><b>NOTE:</b> The poster is available for free from OSHA in multiple languages. While HIOSH does not require employers to display the poster in other languages, HIOSH encourages employers with employees that speak other languages to also display the poster in those languages.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The annual Summary of Work-Related Injuries and Illnesses (OSHA Form 300A) is posted during the months of February, March, and April.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>Any citations resulting from OSHA workplace inspections are posted until the violation has been abated, or for three working days, whichever is later.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>Emergency telephone numbers are posted where they can be readily found in case of emergency.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [Hawaii Administrative Rules §12-51-2, Posting of HIOSH Notice](#)
  - [Hawaii Administrative Rules, §12-51-16, Posting of Citations](#)
- HIOSH: [Free Workplace Poster – Job Safety and Health – It’s the Law!](#)

Recordkeeping and Reporting	Yes	No	N/A	Comments
<p>Occupational injuries or illnesses, except minor injuries requiring only first aid, are recorded on OSHA Form 300 (Log of Work-Related Injuries and Illnesses).</p> <p><b>NOTE:</b> Employers are partially exempt from OSHA’s injury and illness recordkeeping requirements if 1) they had 10 or fewer workers during all of the last calendar year (see <a href="#">§12-52.1, HAR</a>), or 2) they are in certain low-hazard industries (see <a href="#">§12-52.1, HAR, Appendix A</a>). All employers, regardless of size or industry, must report work-related fatalities, in-patient hospitalizations, amputations, loss of an eye, or property damage greater than \$25,000 to HIOSH.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>A supplementary record of each recordable occupational injury and illness is prepared for recordable cases on OSHA Form 301 (Injury and Illness Incident Report). Employers can use equivalent forms that provide all the information on the OSHA Form 301.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>An annual summary is prepared at the end of each calendar year using OSHA Form 300A (<i>Summary of Work-Related Injuries and Illnesses</i>).</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>You must electronically submit information from your Form 300A Summary to OSHA annually (by March 2 of the year after the calendar year covered by the form) if:</p> <ul style="list-style-type: none"> <li>• You have an establishment with 250 or more workers that is currently required to keep OSHA injury and illness records, or</li> <li>• You have an establishment with 20-249 workers that is classified in certain industries with historically high rates of occupational injuries and illnesses.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Recordkeeping and Reporting	Yes	No	N/A	Comments
Injury and illness records (OSHA 300, 300A, and 301) are kept at the worksite for at least five years.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Worker medical and exposure records are retained for the time period required for each specific type of record.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Worker training records are kept and accessible for review by workers, as required by HIOSH standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All work-related fatalities are reported to HIOSH within 8 hours. All work-related in-patient hospitalizations, amputations, loss of an eye, or property damage greater than \$25,000 are reported to HIOSH within 24 hours.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - 29 CFR 1904, Recording and Reporting Occupational Injuries and Illness  
\*29 CFR 1904 adopted by HIOSH under §12-52.1, HAR
  - 29 CFR 1910.1020, Access to Employee Exposure and Medical Records  
\*29 CFR 1910 adopted by HIOSH under §12-50-60, HAR
- OSHA: Injury and Illness Recordkeeping and Reporting Requirements
- OSHA: Report a Fatality or Severe Injury
- OSHA: Access to Medical and Exposure Records

## Compressed Gas Cylinders

Compressed Gas Cylinders	Yes	No	N/A	Comments
Cylinders are clearly marked to identify their contents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinders are stored where they cannot be damaged by passing or falling objects, and not subject to tampering by unauthorized persons.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinders are regularly examined for obvious signs of defects, deep rusting, and leakage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Care is used in handling and storage of cylinders, safety valves, relief valves, etc., to prevent damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Care is taken to not drop or strike cylinders.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinders without fixed wheels have keys, handles, or non-adjustable wrenches on stem valves when in service.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Liquefied gases are stored and shipped valve-end up with valve-protection caps in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Valve-protection caps are placed on cylinders when the cylinders are not in use, or connected for use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Valves are closed before cylinders are moved, when cylinders are empty, and at the completion of each job.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Empty cylinders are appropriately marked and their valves are closed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.101, Compressed Gases](#)
  - [29 CFR 1910.110, Storage and Handling of Liquid Petroleum Gases](#)  
\*29 CFR 1910 adopted by HIOSH under §12-50-60, HAR
- OSHA: [Compressed Gas and Equipment](#)

## Electrical Safety

Electrical Safety	Yes	No	N/A	Comments
Electrical work performed by workers or contractors complies with HIOSH standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sufficient access and working space is provided and maintained around all electrical equipment to permit ready and safe operations and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers make preliminary inspections and perform appropriate tests to determine conditions before starting work on electrical equipment or lines.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In wet or damp locations, electrical tools and equipment are appropriate for the use or location or otherwise protected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal measuring tapes, ropes, hand-lines and similar devices with metallic thread woven into the fabric are not used where they could come in contact with energized parts of equipment or circuit conductors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Portable ladders with nonconductive side rails are used where the worker or the ladder could contact exposed energized parts of equipment, fixtures, or circuit conductors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Disconnecting switches and circuit breakers are labeled to indicate their use or equipment served.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical installations are approved not only for the class of location, but also for the ignitable or combustible properties of the specific gas, vapor, dust, or fiber that may be present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Electrical Safety	Yes	No	N/A	Comments
Whenever a worker is exposed to contact with parts of fixed electric equipment or circuits that have been de-energized, the circuits energizing the parts are locked out or tagged, as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers who regularly work on or around energized electrical equipment or lines are instructed in cardiopulmonary resuscitation (CPR).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not work alone on energized lines or equipment over 600 volts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Barricades and safety signs are used to prevent or limit access to areas where workers could be exposed to uninsulated energized conductors or circuit parts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cord-connected, electrically operated tools and equipment are effectively grounded or of the approved double insulated type.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flexible cord sets (extensions cords) used with grounding-type equipment have grounding conductors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cord-connected, electrically operated equipment, and flexible cord sets (extension cords) are visually inspected before use for external defects (such as loose parts, deformed and missing pins, or damage to outer jacket or insulation) and for evidence of possible internal damage (such as pinched or crushed outer jacket).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed wiring, and cords with frayed or deteriorated insulation, are immediately removed from service.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Electrical Safety	Yes	No	N/A	Comments
Flexible cords are only used in continuous lengths without splice or tap.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Multiple plug adaptors are not used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical appliances such as vacuum cleaners, polishers, vending machines, etc., are grounded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-grounding type receptacles and connectors are not used for grounding-type attachment plugs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground-fault circuit interrupters are installed on each temporary 15 or 20 ampere, 120 volt alternating current (AC) circuit at locations where construction, demolition, modifications, alterations, etc., are performed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal cable trays, metal raceways, and metal enclosures for conductors are grounded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Disconnecting means are always opened before fuses are replaced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flexible cords and cables are connected to devices and fittings so that strain relief is provided to prevent pull from being directly transmitted to joints or terminal screws.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cord, cable, and raceway connections are intact and secure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Energized parts of electrical circuits and equipment are guarded against accidental contact by approved cabinets or enclosures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unused openings (including conduit knockouts) in electrical enclosures and fittings are closed with appropriate covers, plugs, or plates.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Electrical Safety	Yes	No	N/A	Comments
Electrical enclosures such as switches, receptacles, junction boxes, etc., are provided with tight-fitting covers or plates.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The location of electrical power lines and cables (overhead, underground, under floor, other side of walls, etc.) is determined before digging, drilling, or similar work is begun.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary circuits are protected by suitable disconnecting switches or plug connectors at the junction with permanent wiring.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Disconnecting switches for electrical motors in excess of two horsepower are able to open the circuit when the motor is stalled without exploding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Low voltage protection is provided in the control devices of motors driving machines or equipment that could cause injury from inadvertent starting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Motor disconnecting switches or circuit breakers are located within sight of the motor control device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The controller for each motor that exceeds two horsepower is rated equal to, or above, the rating of the motor it serves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.303, General Electrical Requirements](#)
  - [29 CFR 1910.305, Wiring Methods, Components, and Equipment for General Use](#)
  - [29 CFR 1910.334, Use of Electrical Equipment](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-50-60, HAR](#)
- OSHA: [Electrical](#)
- NIOSH: [Electrical Safety](#)

## Exit Routes and Emergency Planning

Doors	Yes	No	N/A	Comments
Doors that are required to serve as exits are designed and constructed so that the path of exit travel is obvious and direct.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exit doors and doors in the required path to the exit are not locked, blocked, or otherwise obstructed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exit doors can be opened from the direction of exit travel without the use of a key, tool, or any special knowledge or effort when the building is occupied.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exit doors are side-hinged and swing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
No revolving, sliding, or overhead doors serve as required exit doors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Panic hardware or fire exit hardware installed on a required exit door allows the door to open by applying a force of 15 pounds (6.80 kilograms) or less in the direction of the exit traffic.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Doors on cold storage rooms are provided with an inside release mechanism that releases the latch and open the door even if the door is padlocked or otherwise locked on the outside.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Where exit doors open directly onto a street, alley, or other area where vehicles may be operated, adequate barriers and warnings are provided to prevent workers from stepping into the path of traffic.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Doors	Yes	No	N/A	Comments
Doors that swing in both directions and are located between rooms where there is frequent traffic are provided with viewing panels in each door.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glass doors, glass panels in doors, windows, etc., that are subject to human impact, are made of safety glass that meets the requirements for human impact.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [29 CFR 1910.35, Compliance with Alternative Exit-Route Codes](#)
  - [29 CFR 1910.36, Design and Construction Requirements for Exit Routes](#)
  - [29 CFR 1910.37, Maintenance, Safeguards, and Operational Features for Exit Routes](#)  
 \*29 CFR 1910 adopted by HIOSH under §12-50-60, HAR
- OSHA: [Design and Construction Requirements for Exit Routes](#)

Emergency Action Plans	Yes	No	N/A	Comments
<p>An emergency action plan is in place to guide employer and worker actions during workplace emergencies.</p> <p><b>NOTE:</b> While an emergency action plan is only required when a HIOSH or OSHA standard requires one, having a plan is a good way to prepare and protect workers and the business during an emergency.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan considers all potential natural or man-made emergencies that could disrupt the workplace.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan considers all potential internal sources of emergencies that could disrupt the workplace.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan considers the impact of these internal and external emergencies on workplace operations and the response is tailored to the workplace.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan contains a list of key personnel with contact information as well as contact information for local emergency responders, agencies, and contractors.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan contains the names, titles, departments, and telephone numbers of individuals to contact for additional information or an explanation of duties and responsibilities under the plan.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>The plan addresses how medical assistance will be provided.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Emergency Action Plans	Yes	No	N/A	Comments
The plan identifies how or where personal information on workers can be obtained in an emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan identifies the conditions under which an evacuation would be necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan identifies a clear chain of command and designates a person authorized to order an evacuation or shutdown of operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan addresses the types of actions expected of different workers for the various types of potential emergencies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan designates who, if anyone, will stay to shut down critical operations during an evacuation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan outlines specific evacuation routes and exits and these are posted in the workplace where they are easily accessible to all workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan address procedures for assisting people during evacuations, particularly those with disabilities or who do not speak English.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan identifies one or more assembly areas (as necessary for different types of emergencies) where workers will gather and a method for accounting for all workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan addresses how visitors will be assisted in evacuation and accounted for.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Emergency Action Plans	Yes	No	N/A	Comments
The plan identifies a preferred method for reporting fires and other emergencies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan describes the method to be used to alert workers, including disabled workers, to evacuate or take other action.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.38, Emergency Action Plans](#)
  - [29 CFR 1910.39, Fire Prevention Plans](#)
  - \*[29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- OSHA: [Evacuation Plans and Procedures](#)
- OSHA: [Emergency Preparedness and Response](#)
- OSHA: [COVID-19](#)
- CDC: [COVID-19](#)



Exits, Exit Paths (Means of Egress)	Yes	No	N/A	Comments
There are sufficient exits to permit prompt escape in case of emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The number of exits from each floor or level, and the number of exits from the building itself, are appropriate for the occupant load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
At least two means of egress are provided from elevated platforms, pits, and rooms where the absence of a second exit would increase the risk of injury from hot, poisonous, corrosive, suffocating, flammable, or explosive substances.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Routes (means of egress) to exits, when not immediately apparent, are marked with visible exit signs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All exits are marked with exit signs that are illuminated either internally or by a reliable light source.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exit signs are labeled with the word "EXIT" in lettering at least 6 inches (15.2 centimeters) high and the stroke of the lettering at least 3/4 inch (1.9 centimeters) wide.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Doors, passageways and stairways that are neither exits nor access to exits, but could be mistaken for exits, are appropriately marked "NOT AN EXIT," "TO BASEMENT," "STOREROOM," etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency lighting, where provided, is tested for 30 seconds each month, and annually for 90 minutes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Exits, Exit Paths (Means of Egress)	Yes	No	N/A	Comments
Ramps that are used as part of required exiting from a building have a slope limited to 1 foot (0.3048 meter) vertical and 12 feet (3.6576 meters) horizontal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [29 CFR 1910.35, Compliance with Alternative Exit-Route Codes](#)
  - [29 CFR 1910.36, Design and Construction Requirements for Exit Routes](#)
  - [29 CFR 1910.37, Maintenance, Safeguards, and Operational Features for Exit Routes](#)
  - [29 CFR 1910.38, Emergency Action Plans](#)
  - \*[29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- [OSHA: Design and Construction Requirements for Exit Routes](#)

## Fire Protection

Fire Extinguishers	Yes	No	N/A	Comments
If portable fire extinguishers are provided in the workplace, and designated workers are expected to use them, the workers are provided with initial training in their use and at least annually thereafter.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Portable fire extinguishers of the appropriate type(s) are provided in adequate numbers, and mounted in readily accessible locations.  <b>NOTE:</b> Refer to National Fire Protection Association standard #10 (NFPA 10) for guidance on types, numbers, and locations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire extinguishers are selected and provided for the types of materials in the areas where they are to be used.  <ul style="list-style-type: none"> <li>• Class A - Ordinary combustible materials.</li> <li>• Class B - Flammable liquids, gases or oils.</li> <li>• Class C - Energized-electrical equipment.</li> <li>• Class D – Combustible metals.</li> <li>• Class K – Kitchens; cooking with vegetable or animal oils and fats.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire extinguishers are visually inspected monthly, and the inspection is recorded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire extinguisher discharge nozzles are free from obstructions or blockage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire extinguishers are fully charged and in their designated places.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire extinguishers receive an annual maintenance check, and the maintenance is recorded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations: [29 CFR 1910.157, Portable Fire Extinguishers](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Portable Fire Extinguishers](#)
- OSHA: [Fire Safety](#)

Fire Suppression and Alarm Systems	Yes	No	N/A	Comments
Fire alarm system has been certified, is in proper working condition, and is tested annually.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Testing and maintenance of automatic sprinkler systems is performed by a qualified worker or sprinkler contractor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Automatic sprinkler system water control valves and pressure gages are checked periodically.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sprinkler heads subject to potential physical damage are protected by metal guards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proper clearance (minimum 18 inches) is maintained below sprinkler heads.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Standpipes, fire hoses, and fire hose valves, are inspected regularly and tested annually.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Private fire hydrants are flushed at least once a year and are on a routine preventive maintenance schedule.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.158, Standpipe and Hose Systems](#)
  - [29 CFR 1910.159, Automatic Sprinkler Systems](#)
  - [29 CFR 1910.160, Fixed Extinguishing Systems, General](#)
  - [29 CFR 1910.161, Fixed Extinguishing Systems, Dry Chemical](#)
  - [29 CFR 1910.162, Fixed Extinguishing Systems, Gaseous Agent](#)
  - [29 CFR 1910.163, Fixed Extinguishing Systems, Water Spray and Foam](#)
  - [29 CFR 1910.164, Fire Detection Systems](#)
  - [29 CFR 1910.165, Employee Alarm Systems](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- [OSHA: Fixed Extinguishing Systems](#)
- [OSHA: Fire Detection Systems](#)
- [OSHA: Employee Alarm Systems](#)

Flammable and Combustible Liquids and Materials	Yes	No	N/A	Comments
Combustible scrap, debris and waste materials (oily rags, etc.) are stored in covered metal receptacles and promptly removed from the worksite.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proper storage is practiced to minimize the risk of fire, including spontaneous combustion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approved containers and tanks are used to store and handle flammable and combustible liquids.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All connections on drums and combustible liquid piping are vapor and liquid tight.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All flammable liquids are kept in closed containers when not in use (e.g., parts cleaning tanks, pans, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Where flammable liquids are transferred and dispensed, appropriate grounding and bonding methods are used to minimize the generation of static electricity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inside storage rooms for flammable and combustible liquids have mechanical or gravity ventilation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Explosion-proof electrical wiring, lights, and equipment are used, in inside storage rooms used for flammable liquids.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Liquefied petroleum gas is stored, handled, and used in accordance with safe practices and standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Flammable and Combustible Liquids and Materials	Yes	No	N/A	Comments
"NO SMOKING" signs are posted on liquefied petroleum gas tanks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
"NO SMOKING" signs are in areas where flammable or combustible materials are used and stored.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Liquefied petroleum storage tanks are guarded to prevent damage from vehicles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All solvent wastes and flammable liquids kept in fire-resistant, covered containers until they are removed from the worksite.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety cans are used for dispensing flammable or combustible liquids at the point of use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spills of flammable or combustible liquids are cleaned up promptly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Storage tanks are adequately vented to prevent the development of excessive vacuum or pressure as a result of filling, emptying, or atmosphere temperature changes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Storage tanks are equipped with emergency venting that relieve excessive internal pressure caused by fire exposure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations
  - 29 CFR 1910.106, Flammable Liquids
  - 29 CFR 1910.107, Spray Finishing with Flammable and Combustible Materials
  - \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR

## Hand and Portable Powered Tools and Equipment

Explosive (Powder) Actuated Fastening Tools	Yes	No	N/A	Comments
Each worker who operates an explosive-actuated tool is trained in its use and has a valid operator's card.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Explosive-actuated tools are left unloaded until they are ready to be used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Explosive-actuated tools are inspected for obstructions or defects before use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each explosive-actuated tool is stored in its own locked container when not being used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers who operate explosive-actuated tools use appropriate PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A sign at least 7 inches (17.78 centimeters) by 10 inches (25.40 centimeters) with bold face type reading "POWDER-" or "EXPLOSIVE-ACTUATED TOOL IN USE" is conspicuously posted when the tool is being used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations: [29 CFR 1910.243, Guarding of Portable Powered Tools](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Hand and Power Tools](#)

Hand Tools and Equipment	Yes	No	N/A	Comments
Appropriate safety glasses, face shields, and other PPE are used while using hand tools or equipment that might produce flying materials or be subject to breakage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All tools and equipment (both company and worker-owned) used at the workplace are in good condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers have been advised of hazards caused by faulty or improperly used hand tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hand tools, such as chisels, punches, etc., which develop mushroomed heads during use are reconditioned or replaced as necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tools cutting edges are kept sharp so that tools move smoothly without binding or skipping.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tool handles are wedged tightly into the heads of all tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Broken or fractured handles on hammers, axes, and similar equipment are replaced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tools are stored in a dry, secure location where tampering is not possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Worn or bent wrenches are replaced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate handles are used on files and similar tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Jacks are inspected to ensure they are in good operating condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Hand Tools and Equipment	Yes	No	N/A	Comments
Jacks receive appropriate maintenance and are lubricated at regular intervals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Jacks only lift loads within their rated capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.242, Hand and Portable Powered Tools and Equipment](#)
  - [29 CFR 1910.243, Guarding of Portable Powered Tools](#)
  - [29 CFR 1910.244, Other Portable Tools and Equipment](#)  
 \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Hand and Power Tools](#)

Portable (Power Operated) Tools and Equipment	Yes	No	N/A	Comments
Power tools are equipped with proper shields, guards, or attachments, as recommended by the manufacturer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grinders, saws and other equipment are provided with appropriate guards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Portable fans are provided with full guards or screens having openings 1/2 inch (1.2700 centimeters) or less.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Portable circular saws are equipped with the proper guards above and below the base plate or shoe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Circular saw guards are checked to ensure that they are not wedged up, leaving the lower portion of the blade unguarded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cord-connected, electrically operated tools and equipment are effectively grounded or of the approved double insulated type.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rotating or moving parts of equipment are guarded to prevent physical contact.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pneumatic and hydraulic hoses on powder-operated tools are checked regularly for deterioration or damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.242, Hand and Portable Powered Tools and Equipment](#)
  - [29 CFR 1910.243, Guarding of Portable Powered Tools](#)
  - [29 CFR 1910.244, Other Portable Tools and Equipment](#)
  - \*[29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- OSHA: [Hand and Power Tools](#)
- NIOSH: [Nail Gun Safety](#)
- NIOSH: [Robotics](#)
- NIOSH: [Noise and Hearing Loss Prevention](#)

## Hazard Communication and Chemicals

Hazard Communication	Yes	No	N/A	Comments
A written plan has been developed to ensure that workers are informed and understand the hazards of chemicals in the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A list or inventory of all hazardous chemicals in the workplace has been prepared (including housekeeping/cleaning chemicals).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety Data Sheets (SDS) for each hazardous chemical in the workplace are up-to-date and readily accessible to workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Labels are kept on shipped containers; including: product identifier, signal word, hazard statement(s), pictogram(s), precautionary statement(s), and supplier information.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workplace containers are labeled where required (e.g., chemicals received in large containers that are transferred to smaller containers).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workplace signs and other forms of communication are reviewed, revised, and updated as appropriate, such as when new information becomes available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained on the requirements of the hazard communication standard, hazards of chemicals, appropriate protective measures, and where and how to obtain additional information.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained on the hazardous chemicals in their work area before initial assignment, and when new hazards are introduced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Hazard Communication	Yes	No	N/A	Comments
Workers understand SDS and where to find them.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers understand labels received on shipped containers and details of the workplace labeling system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The hazard communication program is reviewed periodically to ensure it is meeting its objectives, and is revised/ updated as appropriate to address changes in the workplace (e.g., new chemicals, new hazards, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations: [29 CFR 1910.1200, Hazard Communication](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- [OSHA: Hazard Communication](#)
- [OSHA: Hazard Communication – Small Entity Compliance Guide](#)

Hazardous Chemicals	Yes	No	N/A	Comments
A written hazardous communication program is in place for the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers have been informed about all operations where hazardous chemicals are present.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers of hazardous chemicals are labeled and Safety Data Sheets are available (see Hazard Communication section above).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Eye-wash fountains and safety showers are provided and maintained in areas where hazardous chemicals are handled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chemical piping systems are clearly marked as to their contents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Worker exposure to hazardous chemicals is kept within acceptable levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Medical or biological monitoring systems are in operation for eligible workers (e.g., exposure to cadmium, lead).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers use appropriate personal protective clothing and equipment when handling hazardous chemicals (e.g., gloves, eye/face protection, respirators, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chemicals are kept in closed containers when not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Materials that give off toxic, asphyxiant, suffocating, or anesthetic fumes are stored in remote or isolated locations when not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Hazardous Chemicals	Yes	No	N/A	Comments
Standard operating procedures for cleaning up chemical spills are established and are being followed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Corrosive liquids that are frequently handled in open containers, or drawn from storage vessels or pipelines, have adequate means readily available for neutralizing or disposing of spills or overflows, and clean-up is performed properly and safely.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hazardous substances are handled in properly designed and exhausted booths or similar locations, where possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [29 CFR 1910.1200, Hazard Communication](#)
  - [29 CFR 1910 Subpart Z, Toxic and Hazardous Substances](#)  
 \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Chemical Hazards and Toxic Substances](#)
- OSHA: [Occupational Chemical Database](#)
- OSHA: [Transitioning to Safer Chemicals](#)
- NIOSH: [Managing Chemical Safety in the Workplace](#)
- NIOSH: [Pocket Guide to Chemical Hazards](#)
- NIOSH: [Nanotechnology](#)

## Heat-related Illness Prevention

Heat-related Illness Prevention	Yes	No	N/A	Comments
<b>Are any of these job-related risk factors for heat exposure present in your workplace?</b>				
Outdoor work in warm/hot weather or direct sun.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Indoor work in warm/hot environments with heat sources such as ovens, fires, hot tar, and/ or other radiant heat sources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Moderate to strenuous physical activity performed in warm/hot indoor or outdoor environments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wearing heavy or non-breathable work clothes and/or personal protective equipment (PPE) in warm/hot indoor or outdoor environments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
High relative humidity combined with a warm/hot indoor or outdoor environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other factors not listed above, such as lack of air movement or lack of air-conditioning, combined with a warm/hot indoor or outdoor environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>If you checked "Yes" for any of the above, use the following checklist to assess your preparedness:</b>				
A written plan is in place to prevent heat-related injury and illness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan contains procedures for heat events, such as when the National Weather Service issues a heat advisory or heat warning.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The plan requires the assessment of environmental heat at the worksite (e.g., continually monitoring temperature, heat index, or Wet Bulb Globe Temperature [WBGT]) and considers how physical activity and clothing/PPE affect heat stress of workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Heat-related Illness Prevention	Yes	No	N/A	Comments
Procedures are in place to determine throughout the day if heat is hazardous to workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A designated, trained individual at the worksite is responsible for (1) assessing and monitoring conditions (e.g., temperature and humidity) and workers for symptoms of heat-related illness, (2) implementing the heat plan when necessary, and (3) notifying workers when the heat plan is in effect.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
An acclimatization plan is in place to modify work duties for and to closely supervise (1) new workers, (2) temporary or contract workers, and (3) workers returning from extended leave to ensure they gradually build tolerance to heat. The plan should also require supervisors to monitor these workers for symptoms of heat-related injury and illness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Engineering controls (e.g., shade structures with cool air temperatures, reflective barriers, ventilation) are used to reduce heat stress.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fluids (e.g., cool, potable water, sports drinks) are readily available and are provided to workers, and supervisors ensure they are hydrating.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rest breaks are provided and their length and frequency are adjusted, as needed. Supervisors ensure breaks are taken.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Shade or a cooled area for rest and hydration breaks is provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A buddy system is in place so workers observe each other for signs of heat-related illness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Supervisors and workers have a way to contact emergency services. Instructions for what to do in case of a heat-related medical emergency are posted at the worksite.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Heat-related Illness Prevention	Yes	No	N/A	Comments
Workers know how to and are expected to report to the employer any symptoms of heat-related illnesses that develop while working.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Supervisors and workers are provided with proper training in a language they understand on the following topics:</b>				
Identifying and controlling heat hazards and understanding environmental risk factors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Recognizing the signs and symptoms of heat-related injuries and illnesses.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Understanding that there are individual factors that may impact workers' risk for developing heat illness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Administering first aid and CPR for heat-related illness.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Activating emergency medical services quickly when needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA: [Signs and Symptoms of Heat Illness](#)
- OSHA: [Heat Illness Prevention Campaign](#)
- OSHA: [Safety and Health Topics: Heat](#)
- OSHA: [Technical Manual - Heat Stress](#)
- OSHA-NIOSH [Heat Safety Tool](#)
- NIOSH: [Heat Stress](#)
- National Oceanic and Atmospheric Administration: [Heat Safety Tips and Resources](#)

## Lockout/Tagout Procedures

Lockout/Tagout Procedures	Yes	No	N/A	Comments
A lockout/tagout procedure has been developed in writing, and is reviewed at least annually.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The lockout procedure requires that stored energy (mechanical, hydraulic, air, etc.) is released or blocked before equipment is locked out for service and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Authorized workers have been trained on the lockout/tagout procedure, and are provided with personal safety locks or other approved lockout devices.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A means is provided to identify the worker(s) working on locked out equipment by the lock(s) or accompanying tag(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Machinery or equipment is locked out at the main power source; not at a push button, selector switch, or other control circuit type device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Equipment control valve handles are provided with a means for locking out.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For equipment or lines that cannot be shut down, or locked out and tagged, a safe job procedure is established and rigidly followed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Energy source isolation is verified before work begins.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Verification is accomplished by testing machinery, gauges, or other approved means.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Lockout/Tagout Procedures	Yes	No	N/A	Comments
Machinery and equipment capable of movement is de-energized, or disengaged and blocked, or locked out during cleaning, servicing, adjusting, or setting up operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Where the disconnecting means for equipment does not also disconnect the electrical control circuit, the appropriate electrical enclosures are identified; and a means is provided to assure the control circuit can also be disconnected and locked out.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers keep personal control of their keys while they have safety locks in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Only the worker exposed to the hazard is permitted to place or remove the safety lock.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers check the safety of the lockout by attempting a startup after making sure no one is exposed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A sufficient number of accident prevention signs or tags and safety padlocks are provided for any reasonably foreseeable repair emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When machine operations, configuration, or size make it necessary for the operator to leave the control station, and part of the machine could move if accidentally activated, the part is separately locked out or blocked.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations: [29 CFR 1910.147, Control of Hazardous Energy \(Lockout/Tagout\)](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Control of Hazardous Energy \(Lockout/Tagout\)](#)
- OSHA: [Lockout-Tagout Interactive Training Program](#)
- NIOSH: [Using Lockout and Tagout Procedures to Prevent Injury and Death during Machine Maintenance](#)

## Machinery and Machine Guarding

Abrasive Wheel Equipment Grinders	Yes	No	N/A	Comments
Bench and pedestal grinders are permanently mounted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Abrasive grinders have safety guards that cover the spindle, nut and flange projections; the guards are mounted to maintain proper alignment with the wheel; and the strength of the fastenings exceed the strength of the guards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Work rests are used and kept adjusted to within 1/8 inch (0.3175 centimeter) of the wheel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The adjustable tongue on the top side of the grinder is used and kept adjusted to within 1/4 inch (0.6350 centimeters) of the wheel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vertical or Right Angle Head portable grinder safety guards are located between the operator and wheel during use, and have a maximum exposure angle of 180 degrees.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The maximum revolutions per minute (rpm) rating of each abrasive wheel is compatible with the rpm rating of the grinder motor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each grinder has an individual on and off control switch.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All hand-held grinders shall have the appropriate power control switch configuration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
New abrasive wheels are visually inspected and ring tested before they are mounted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Abrasive Wheel Equipment Grinders	Yes	No	N/A	Comments
Dust collectors and powered exhausts are provided on grinders used in operations that produce large amounts of dust.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Splash guards are mounted on grinders that use coolant to prevent the coolant from reaching workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers use appropriate PPE when grinding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations: [29 CFR 1910.215, Abrasive Wheel Machinery](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Abrasive Wheel Grinder Checklist](#)
- NIOSH: [Abrasive Blasting](#)

Machinery and Equipment	Yes	No	N/A	Comments
Fixed machines are anchored to prevent tipping or other movement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The operator and other workers in the machine area are protected from hazards created at the point of operation, ingoing nip points, rotating parts, flying chips, and sparks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operators use special hand tools for placing and removing material where needed to protect their hands.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Machine guards are secured and arranged so they do not cause a hazard while in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Revolving drums, barrels, and containers are guarded by an enclosure that is interlocked with the drive mechanism so that revolution cannot occur unless the guard enclosure is in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fan blades are protected with a guard having openings no larger than 1/2 inch (1.2700 centimeters) when operating within 7 feet (2.1336 meters) of the floor or working level.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pulleys and belts within 7 feet (2.1336 meters) of the floor or working level are properly guarded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Moving chains and gears are properly guarded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained on safe methods of machine operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A program is in place for regular safety inspections of machinery and equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All machinery and equipment are kept clean and properly maintained.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Machinery and Equipment	Yes	No	N/A	Comments
Sufficient clearance is provided around and between machines to allow for safe operations, set up and servicing, material handling and waste removal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A power shut-off switch is provided within reach of the operator's position at each machine.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hazardous energy to machines and equipment can be locked out for servicing and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Noncurrent-carrying metal parts of electrically operated machines are bonded and grounded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Foot-operated switches are guarded or arranged to prevent accidental actuation by a person or falling object.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manually operated valves and switches controlling the operation of equipment and machines clearly identified and readily accessible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency stop buttons are colored red.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Splash guards are mounted on machines that use coolant to prevent the coolant from reaching workers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Arbors and mandrels have firm and secure bearings, and are free of play.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Provisions are made to prevent machines from automatically starting when power is restored after a power failure or shutdown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Machinery and Equipment	Yes	No	N/A	Comments
Machines are constructed so as to be free from excessive vibration when the largest size tool is mounted and run at full speed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Saws used for ripping are equipped with anti-kickback devices and spreaders.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Radial arm saws are arranged so that the cutting head gently returns to the back of the table when released.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations: [29 CFR 1910.212, General Requirements for All Machines](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Machine Guarding](#)
- NIOSH: [Machine Safety](#)



## Materials Handling and Storage

Hoist and Auxiliary Equipment	Yes	No	N/A	Comments
Hoisting equipment is available and used for lifting heavy objects, and hoist ratings and characteristics are appropriate for the task.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overhead and gantry cranes are periodically inspected for defects or safety concerns in 1 to 12 month intervals depending on equipment activity, severity of service, and environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All ropes are thoroughly inspected at least once a month and a certification record which includes the inspection date, inspector signature, and an identifier for inspected ropes, is kept on file.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All equipment with obvious signs of deterioration, leakage, or deformation is inspected daily.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hooks with deformation or cracks and hoist chains, including end connections, are visually inspected daily and have a monthly inspection documented with a certification record.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each overhead electric hoist is equipped with a limit switch/device to stop the hook at its highest and lowest point of safe travel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each hoist automatically stops and holds any load up to 125 percent of its rated load if its actuating force is removed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The rated load of each hoist is legibly marked and visible to the operator.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stops are provided at the safe limits of travel for trolley hoists.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Hoist and Auxiliary Equipment	Yes	No	N/A	Comments
Pendant control boxes are constructed to prevent electrical shock and have clearly labelled functions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pendant control stations are kept clean and function labels kept legible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each cage-controlled hoist is equipped with an effective warning device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Close-fitting guards or other suitable devices are installed on each hoist to ensure that hoist ropes will be maintained in the sheave grooves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hoist chains or ropes are long enough to handle the full range of movement of the application while maintaining two full wraps around the drum at all times.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Guards are provided for nip points or contact points between hoist ropes and sheaves permanently located within 7 feet (2.1336 meters) of the floor, ground, or working platform.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not use twisted or kinked hoist chains or hoist ropes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not use hoist ropes or hoist chains wrapped around the load as a substitute for a sling.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The load is well secured and properly balanced before it is lifted more than a few inches.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operators are instructed to avoid carrying loads above people, and provisions are made to ensure that no one is below hoisted material or equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Hoist and Auxiliary Equipment	Yes	No	N/A	Comments
All unsafe conditions, identified by inspections, are corrected by designated workers before crane operation resumes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety latches and other devices are used to prevent slippage of materials off hoisting hooks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chains, ropes, chokers, and slings are adequate for the materials they are securing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hoist controls are plainly marked to indicate the direction of travel or motion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.179, Overhead and Gantry Cranes](#)
  - [29 CFR 1910.181, Derricks](#)
  - [29 CFR 1910.184, Slings](#)
  - [29 CFR 1910.219, Mechanical Power-Transmission Apparatus](#)
  - \*[29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- [OSHA: Crane, Derrick and Hoist Safety](#)
- [NIOSH Alert Preventing Worker Injuries and Deaths from Mobile Crane Tip-Over, Boom Collapse, and Uncontrolled Hoisted Loads](#)

Materials Handling	Yes	No	N/A	Comments
There is safe clearance for materials handling equipment through aisles and doorways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Aisles are permanently marked and kept clear to allow unhindered passage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hand trucks, pallet jacks, powered industrial trucks, and other equipment used for materials handling are maintained in safe operating condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Motorized hand and hand/rider trucks are designed so that when the operator releases the grip on the device that controls the truck's travel, the brakes are applied and power to the drive motor shuts off.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trucks and trailers are secured from movement during loading and unloading operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dockboards (bridge plates) are used when loading and unloading operations are taking place between vehicles and docks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dockboards are capable of supporting the maximum intended load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chutes and gravity roller sections are firmly placed or secured to prevent displacement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chutes are equipped with sideboards of sufficient height to prevent the materials being handled from falling off, and provisions are made to brake the movement of the handled materials at the delivery end of rollers or chutes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pallets are inspected before being loaded or moved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.176, Handling Materials](#)
  - [29 CFR 1910.178, Powered Industrial Trucks](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- OSHA: [Materials Handling and Storage](#)

Powered Industrial Trucks	Yes	No	N/A	Comments
Workers are properly trained, and certified by the employer, to use of the type(s) of powered industrial truck(s) (PIT) they operate, and only trained workers operate the PIT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operator training and evaluation is conducted by someone who has the knowledge, training, and experience to train PIT operators.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PIT operator performance is evaluated at least once every three years, and workers are retrained as necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overhead protection is provided on high-lift rider trucks, unless it interferes with the operating conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Any modifications and additions that affect PIT capacity and safe operations are only performed with manufacturer's prior written approval.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs equipped with non-factory installed front-end attachments are marked to identify the attachments and show the approximate weight of the truck and attachments combination at maximum elevation with the load laterally centered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Warning labels, tags, decals, plates, markings, etc., are updated, legible, and maintained.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Directional lighting is provided on PITs that operate in areas with inadequate general lighting (less than 2-lumens per square foot).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs are operated at speeds that allow them to stop in a safe manner, under all travel conditions and acceptable loading levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Parking brakes prevent the PIT from moving when unattended.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Powered Industrial Trucks	Yes	No	N/A	Comments
PITs that operate in hazardous environments are approved for use in such locations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safe distances are maintained from the edges of elevated ramps and platforms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not stand or pass under elevated portions of PITs, whether loaded or empty.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unauthorized workers are not permitted to ride on PITs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operators are prohibited from driving up to anyone standing in front of a fixed object.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Arms and legs are not placed between the uprights of the mast or outside the running lines of the PIT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Loads handled do not exceed the rated capacity of the PIT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs are inspected at the beginning of each work shift for any safety concerns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs in need of repair are removed from service immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel tanks are not filled while the engine is running.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs are operated and maintained such that harmful concentrations of dangerous gases or fumes do not occur.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PITs have a warning horn, whistle, gong, or other device that can be clearly heard above normal noise in the areas where it is operated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations: [29 CFR 1910.178, Powered Industrial Trucks](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Powered Industrial Trucks - Forklifts](#)

## Medical Services and First Aid

Medical Services and First Aid	Yes	No	N/A	Comments
A hospital, clinic, or infirmary for medical care is located near the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If a medical facility is not located near the workplace, at least one worker on each shift is adequately trained and qualified to render first aid.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Medical personnel are readily available for advice and consultation on matters of workers' health.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fully supplied first aid kits are easily accessible to each work area, are adequate for the particular area or operation, and are periodically inspected and replenished as needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers who only render first aid as a collateral duty are provided with appropriate PPE, such as gloves.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers who are expected to respond to medical emergencies as part of their job responsibilities have received first aid training; had hepatitis B vaccinations made available to them; had appropriate training on procedures to protect them from bloodborne pathogens, including universal precautions; and have available and understand how to use appropriate PPE to protect against exposure to bloodborne diseases.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Medical Services and First Aid	Yes	No	N/A	Comments
Any worker that had an exposure incident involving bloodborne pathogens, received an immediate post-exposure confidential medical evaluation and follow-up.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency phone numbers are posted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - 29 CFR 1910.151, Medical Services and First Aid
  - 29 CFR 1910.1030, Bloodborne Pathogens
    - \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Medical and First Aid](#)
- OSHA: [Bloodborne Pathogens and Needlestick Prevention](#)
- NIOSH: [Bloodborne Infectious Diseases](#)



## Noise Exposure

Noise Exposure	Yes	No	N/A	Comments
Areas in the workplace where noise levels exceed 85 decibels have been identified and evaluated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Noise levels have been measured with a sound level meter or an octave band analyzer and records are being kept.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When determined by an evaluation of worker noise exposure, a hearing conservation program has been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
An ongoing preventive health program is in place to educate workers about safe levels of noise, exposures, effects of noise on their health, and the use of personal protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When workers are subjected to sound exceeding the levels in 29 CFR 1910.95, Table G-16, engineering controls, administrative control, and/or personnel protective equipment are used to reduce the level of sound exposure to be within the levels of the table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approved hearing protective equipment (noise attenuating devices) is available to every worker working in noisy areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are properly fitted and instructed in the use of hearing protectors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers in high noise areas are given periodic audiometric testing to ensure that the hearing protection system is effective.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Noise Exposure	Yes	No	N/A	Comments
A copy of HIOSH's Occupational Noise Exposure standard is available and posted in the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Warning signs are posted where hearing protection is needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations: [29 CFR 1910.95, Occupational Noise Exposure](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Occupational Noise Exposure](#)
- NIOSH: [Noise and Hearing Loss Prevention](#)
- NIOSH [Sound Level Meter App](#)

# Permit-Required Confined Spaces

Permit-Required Confined Spaces	Yes	No	N/A	Comments
The workplace has been evaluated and permit-required confined spaces have been identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Danger signs are posted or other equally effective means of informing workers is provided regarding the existence and location of, and the dangers posed by, the confined spaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A written permit-required confined space program has been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate illumination is provided for the work to be performed in the confined space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All lines to a confined space that contain inert, toxic, flammable, or corrosive materials are valved off and blanked, or disconnected and separated before entry.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All sources of mechanical energy, including impellers, agitators, or other moving parts and equipment inside confined spaces, are locked out if they present a hazard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All portable electrical equipment used inside confined spaces is either grounded and insulated, or equipped with ground fault protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Before entry, confined spaces are thoroughly emptied of any decaying vegetation or animal matter that may produce methane, or create an oxygen-deficient atmosphere.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate atmospheric tests are performed to check for oxygen deficiency, flammable gases and vapors, and for potential toxic air contaminants in the confined space before entry.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Permit-Required Confined Spaces	Yes	No	N/A	Comments
The confined space is checked for possible industrial waste that could contain toxic properties.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Either natural or mechanical ventilation is provided prior to confined space entry.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The atmosphere inside the confined space is frequently tested or continuously monitored during work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When workers are using oxygen-consuming equipment such as salamanders, torches, furnaces, etc., in a confined space, sufficient air is provided to assure combustion without reducing the oxygen concentration of the atmosphere below 19.5 percent by volume.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When combustion-type equipment is used in a confined space, provisions are made to ensure the exhaust gases are vented outside of the enclosure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the confined space is below ground and near areas where motor vehicles operate, steps are taken to prevent vehicle exhaust or carbon monoxide entering the space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Use of approved respiratory equipment is used if the atmosphere inside the confined space cannot be made acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A trained and equipped attendant is positioned outside the confined space, whose sole responsibility is to watch the work in progress, sound an alarm if necessary, and render assistance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operable communications between the entrant(s) and the attendant is maintained while workers are in the confined space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Permit-Required Confined Spaces	Yes	No	N/A	Comments
The attendant is appropriately trained and equipped to handle an emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A means for quick removal of workers is provided, in case of an emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In an emergency situation, if there is any question as to the cause, the rescue workers have lifelines, retrieval equipment, and appropriate PPE including respiratory protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Before entry, operable communications with and availability of rescue services are verified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Compressed gas cylinders are prohibited inside confined spaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Before gas welding or burning is started in a confined space, hoses are checked for leaks, torches are lighted only outside the confined space, and the confined space is tested for an explosive atmosphere each time before a lighted torch is taken into the confined space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [29 CFR 1910.146, Permit-required confined spaces](#)
  - [29 CFR 1910.252, General requirement, Welding, Cutting, and Brazing](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- OSHA: [Confined Spaces](#)
- NIOSH: [Confined Spaces](#)

## Personal Protective Equipment (PPE)

Personal Protective Equipment (PPE)	Yes	No	N/A	Comments
Hazards that require the use of PPE (e.g., head, eye, face, hand, or foot protection) have been identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For the hazards identified, the appropriate and properly fitted PPE has been selected to provide suitable protection from these hazards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Affected workers use the appropriate PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PPE is provided by the employer, at no cost to the workers, except as noted in 29 CFR 1910.132(h).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers have been trained on PPE procedures, including what PPE is necessary for job tasks, when it is needed, and how to properly wear and adjust it.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate eye or face protection is used when workers are exposed to hazards such as flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers who wear corrective lenses (glasses or contacts) in workplaces with harmful exposures wear eye protection that incorporates the prescription in its design, or wear eye protections that fits properly over the prescription lenses.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Protective eye and face protection devices comply with the requirements of the appropriate ANSI standards, or provide protection that is at least as effective as the comparable ANSI standard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Personal Protective Equipment (PPE)	Yes	No	N/A	Comments
Protective gloves, aprons, shields, or other means are used where workers could be cut or where there is reasonably anticipated exposure to corrosive liquids, chemicals, or blood or other potentially infectious materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hard hats are worn where the danger of falling objects exists.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hard hats are periodically inspected for damage to the shell and suspension system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate foot protection is used where there is the risk of foot injuries from hot, corrosive, or poisonous substances, falling objects, crushing, or penetrating actions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Protection against the effects of occupational noise is used when sound levels exceed those of the Occupational Noise Exposure standard (29 CFR 1910.95).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PPE is maintained in a sanitary condition and ready for use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate procedures are in place to dispose of or decontaminate PPE contaminated with, or reasonably anticipated to be contaminated with, blood or other potentially infectious materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.132, PPE General Requirements](#)
  - [29 CFR 1910.133, Eye and Face Protection](#)
  - [29 CFR 1910.135, Head Protection](#)
  - [29 CFR 1910.136, Foot Protection](#)
  - [29 CFR 1910.137, Electrical Protective Equipment](#)
  - [29 CFR 1910.138, Hand Protection](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- [OSHA: Personal Protective Equipment](#)
- [OSHA: Eye and Face Protection](#)
- [NIOSH: Personal Protective Equipment](#)
- [NIOSH: Protective Clothing and Ensembles](#)
- [NIOSH: Eye Safety](#)

# Respiratory Protection

Respiratory Protection	Yes	No	N/A	Comments
To the extent feasible, engineering controls are used to prevent atmospheric contamination in the workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hazards that require the use of respiratory protection have been identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate respirators are provided for worker use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A written respiratory protection program has been established and implemented in accordance with the requirements of 29 CFR 1910.134(c).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The written respiratory protection program provides workers with worksite-specific procedures for: selecting respirators; proper use of respirators in routine and reasonably foreseeable emergencies situations; and cleaning, disinfecting, storing, inspecting, repairing, discarding, and otherwise maintaining respirators.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
As part of the respiratory protection program, workers are trained on the correct usage and limitations of the respirators.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Respirators are National Institute for Occupational Safety and Health (NIOSH)-approved for the particular application.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Respirators are regularly inspected, cleaned, sanitized and maintained.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Before workers first use, or are fit-tested for, a respirator, they receive a medical evaluation in accordance with 29 CFR 1910.134(e).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Respiratory Protection	Yes	No	N/A	Comments
Workers designated to wear tight-fitting respirators are fit-tested before their first use of a respirator and at least annually thereafter.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained in the respiratory hazards to which they may be exposed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are trained at least annually in the proper use of respirators, including putting on and removing them, any limitations on their use, and their maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Respirators are stored in a manner and location to protect them from damage, contamination, dust, sunlight, extreme temperatures, excessive moisture, and damaging chemicals, and are packed or stored to prevent deformation of the facepiece and exhalation valve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency respirators are kept accessible to the work area, and the storage location is marked as containing emergency respirators.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations: [29 CFR 1910.134, Respiratory Protection](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Respiratory Protection](#)
- OSHA: [Small Entity Compliance Guide – Respiratory Protection Standard](#)
- NIOSH: [Respirators](#)

## Walking-Working Surfaces

Elevated Surfaces	Yes	No	N/A	Comments
Workers working on surfaces that are elevated more than 4 feet (1.2 meters) above a lower level are protected from falling by guardrail systems, safety net systems, or personal fall protection systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Toeboards, screens, or guardrail systems are erected to prevent objects from falling to lower levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canopy structures are erected under elevated surfaces and potential falling objects are kept from the edge or hole, or the areas where objects could fall are barricaded and entrance into those areas is prohibited.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers exposed to potential falling objects wear appropriate PPE, such as head protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate headroom is provided where necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material on elevated surfaces is piled, stacked, or racked in a manner to prevent it from tipping, falling, collapsing, rolling, or spreading.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.22, General Requirements, for Walking and Working Surfaces](#)
  - [29 CFR 1910.28, Duty to Have Fall Protection and Falling Object Protection](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Walking-Working Surfaces and Fall Protection](#)

Floor Holes and Wall Openings	Yes	No	N/A	Comments
Floor holes are guarded by a cover, a guardrail, or equivalent on all sides (except at stairways or ladder entrances).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Toeboards are installed around the edges of permanent floor holes where persons may pass below the hole.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Covers including skylight screens, are able to withstand, without failure, twice the maximum intended load that may be imposed on the cover at any one time.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grates or similar type covers over floor holes, such as floor drains, are designed to allow unimpeded foot traffic and rolling equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - [29 CFR 1910.28, Duty to Have Fall Protection and Falling Object Protection](#)
  - [29 CFR 1910.29, Fall Protection Systems and Falling Object Protection – Criteria and Practices](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Walking-Working Surfaces and Fall Protection](#)

Portable Ladders	Yes	No	N/A	Comments
All ladders are maintained in good condition; joints between steps and side rails are tight, all hardware and fittings are securely attached, and moveable parts operating freely without binding or undue play.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ladders used on slippery surfaces are secured and stabilized.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ladders are not placed in front of passageways, doorways, or driveways where they can be displaced by other activities or traffic unless they are secured to prevent accidental displacement or are guarded by a temporary barricade to keep the activities or traffic away from the ladder.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ladders are not placed on boxes, barrels, lifts, or other unstable bases to obtain additional height.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers face the ladder and maintain three points of contact (two hands and a foot, or two feet and a hand) on the ladder when climbing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not carry any object or load that could cause them to lose balance and fall while climbing the ladder.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not use ladders that are broken; have missing steps, rungs, or cleats; broken side rails; or other faulty equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not use the top step of ordinary stepladders as a step.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When portable ladders are used to gain access to elevated platforms, roofs, etc., the ladder always extends at least 3 feet (0.9 meters) above the elevated surface.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Portable Ladders	Yes	No	N/A	Comments
The tops of non-self-supporting ladders are placed so that both side rails are supported.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers secure the base of a portable ladder to prevent slipping, or otherwise lash or hold it in place when used on unstable, slanted, or uneven surfaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal ladders are made with corrosion-resistant materials or protected against corrosion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Portable metal ladders are legibly marked with signs reading "CAUTION - Do Not Use Around Electrical Equipment" or equivalent wording.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not use ladders as guys, braces, skids, gin poles, or for other than their intended purposes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers adjust extension ladders while standing at the base and not while standing on the ladder or from a position above the ladder.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All ladders are routinely inspected for damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ladders with structural or other defects are immediately tagged "Dangerous: Do Not Use" or with similar language and removed from service until repaired or replaced.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Steps on step stools; and ladder rungs, steps and cleats, are equally spaced at distances required by 29 CFR 1910.23(b).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## Additional Resources

- OSHA Regulations: [29 CFR 1910.23, Ladders](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Portable Ladder Safety QuickCard](#)
- NIOSH - [Ladder Safety App](#)

Stairs and Stairways	Yes	No	N/A	Comments
Stair rail systems and handrails are provided on all stairways having at least four risers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Standard stairs are at least 22 inches (56 centimeters) wide.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Standard stairs are angled between 50 and 30 degrees.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stair riser heights and tread depths are uniform between landings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Steps are slip-resistant.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairway handrails are located between 30 inches (76 centimeters) and 38 inches (97 centimeters) above the leading edge of stair treads.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairway handrails have at least 2.25 inches (5.7 centimeters) of clearance between the handrails and any other object, including the wall or surface they are mounted on.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The swing of doors or gates opening directly on a stairway platform does not reduce the effective usable depth of the platform to: less than 20 inches (51 centimeters) if the platform was installed prior to January 17, 2017, or 22 inches (56 centimeters) if the platform was installed on or after January 17, 2017.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairway handrails are capable of withstanding a load of 200 pounds (890 Newtons), applied within 2 inches (5.1 centimeters) of the top edge in any downward or outward direction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stairway landings and platforms are at least equal to the width of the stairway and at least 30 inches (76 centimeters) in depth, as measured in the direction of travel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## Additional Resources

- OSHA Regulations: [29 CFR 1910.25, Stairways](#)  
\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR

Walkways	Yes	No	N/A	Comments
Walking-working surfaces (any horizontal or vertical surface on or through which a worker walks, works, or gains access to a work area or workplace location) are kept clean, orderly, and in a sanitary condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wet surfaces are covered with non-slip materials or where wet processes are used, drainage is maintained and where feasible, false floors, platforms, and mats are provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Holes in the floor, sidewalk, and other walking-working surfaces are repaired properly, covered, and otherwise made safe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material and equipment is stored in such a way that projections do not interfere with walkways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Spilled materials are cleaned up immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Aisles and walkways that pass near moving or operating machinery, welding operations, and similar operations are arranged so workers are not subjected to potential hazards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate headroom is provided for the entire length of aisles, walkways, and stairways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Guardrails are provided wherever aisle, walkway, and stairway surfaces are elevated more than four feet (1.2 meters) above any adjacent floor or the ground.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Walking-working surfaces are inspected regularly and maintained in a safe condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Walkways	Yes	No	N/A	Comments
Hazardous conditions on walking-working surfaces are corrected or repaired before workers use the surface again.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers are provided with a safe means of access to and egress from walking-working surfaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Additional Resources**

- OSHA Regulations:
  - 29 CFR 1910.22, General Requirements for Walking and Working Surfaces
  - 29 CFR 1910.25, Stairways
  - 29 CFR 1910.28, Duty to Have Fall Protection and Falling Object Protection
    - \*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR
- OSHA: [Walking-Working Surfaces and Fall Protection](#)



## Welding, Cutting, and Brazing

Welding, Cutting, and Brazing	Yes	No	N/A	Comments
Only authorized and trained workers are permitted to use welding, cutting, and brazing equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each worker has a copy of, and follows the appropriate operating instructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Only approved apparatuses (torches, regulators, pressure reducing valves, acetylene generators, manifolds, etc.) are used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Precautions are taken to prevent the mixture of air or oxygen with flammable gases, except at a burner or in a standard torch.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel gas and oxygen gas cylinders, cylinder valves, couplings, regulators, hoses, and apparatuses are kept free of oily or greasy substances.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinders are stored in assigned locations away from sources of heat, and from elevators, stairs, and gangways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel gas cylinders and oxygen cylinders in storage are separated by a distance of at least 20 feet, or by a non-combustible barrier at least 5 feet (1.5m) high, having a fire-resistance rating of at least 30 minutes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regulators are removed and valve-protection caps put in place before moving cylinders, unless they are secured on special trucks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Welding, Cutting, and Brazing	Yes	No	N/A	Comments
Workers are trained to never crack open a fuel gas cylinder valve near sources of ignition.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Before a regulator is removed, the valve is closed and gas is released.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Red is used to identify the acetylene (and other fuel-gas) hose, green is used for the oxygen hose, and black is used for inert gas and air hoses.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pressure-reducing regulators are used only for the gas and pressures for which they are intended.  Open circuit (no-load) voltage of arc welding and cutting machines is as low as possible and not in excess of the recommended limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grounding of the machine frame and safety ground connections of portable machines is checked periodically.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electrodes are removed from holders when not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electric power to the welder is shut off when no one is in attendance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers do not coil or loop welding electrode cables around their bodies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Under wet conditions, automatic controls for reducing no-load voltage are used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wet machines are thoroughly dried and tested before use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Welding, Cutting, and Brazing	Yes	No	N/A	Comments
Work and electrode lead cables are frequently inspected for wear and damage, and replaced when needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable connectors are adequately insulated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Floors are swept clean and combustible floors are kept wet, covered with damp sand, or protected by fire-resistant shields.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When the object to be welded cannot be moved and fire hazards cannot be removed, shields are used to confine heat, sparks and slag.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Precautions are taken to protect combustibles on the other side of metal walls when welding is underway.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire watchers are assigned when welding or cutting is performed in locations where a fire might develop.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Suitable fire extinguishing equipment is available for immediate use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Used drums, barrels, tanks and other containers are thoroughly cleaned of substances that could explode, ignite, or produce toxic vapors, before hot work begins.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate ventilation is provided in areas where welding or cutting is performed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Oxygen cylinders in storage are separated from fuel gas cylinders.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Welding, Cutting, and Brazing	Yes	No	N/A	Comments
In areas where fuel gases are used or stored, signs are posted that read DANGER, NO SMOKING, MATCHES, OR OPEN LIGHTS, or the equivalent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Workers exposed to arc welding rays and other hazards created by welding, cutting, or brazing operations are protected with PPE and protective clothing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PPE is appropriate for the work being performed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Additional Resources

- OSHA Regulations:
  - [29 CFR 1910.252, General Requirement, Welding, Cutting, and Brazing](#)
  - [29 CFR 1910.253, Oxygen-Fuel Gas Welding and Cutting](#)
  - [29 CFR 1910.254, Arc Welding and Cutting](#)
  - [29 CFR 1910.255, Resistance Welding](#)
  - [\\*29 CFR 1910 adopted by HIOSH under §12-60-50, HAR](#)
- OSHA: [Welding, Cutting, and Brazing](#)
- NIOSH: [Welding and Manganese](#)

# Safety and Health Assistance for Small Businesses

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The following are some key workplace safety and health resources for small businesses. For more information, see [OSHA's Small Business webpage](#).

## OSHA & HIOSH Resources

### On-Site Consultation Program

The OSHA [On-Site Consultation Program](#) offers no-cost and confidential occupational safety and health services to small and medium-sized businesses in all 50 states, the District of Columbia, and several U.S. territories, with priority given to high-hazard worksites. Highly trained safety and occupational health professionals (i.e., consultants) from On-Site Consultation programs established within state agencies or universities work with employers to identify safety and health hazards in workplaces and how to fix them. Consultants also advise employers on how to comply with OSHA standards, train and educate workers, and assist with establishing and improving safety and health programs.

Consultation services are voluntary. To take advantage of this resource, employers request a consultation visit from their local Consultation program and determine the scope of the visit. The visit may focus on a single concern at a facility or it may involve a thorough hazard assessment of an entire facility and its operations.

Benefits of working with Consultation programs include:

- better workplace safety and health conditions,
- enhanced morale and welfare, and
- savings related to reductions in injury and illness rates, lost work days, workers' compensation costs, equipment damage, and product losses.

A small business employer may become eligible for another benefit of the On-Site Consultation Program – participation in the [Safety and Health Achievement Recognition Program \(SHARP\)](#). SHARP recognizes small business employers who have used consultation services and operate an exemplary safety and health program. Acceptance into SHARP by OSHA is an achievement that singles out a business as a model for workplace safety and health. A worksite receives a deferral from OSHA or State Plan programmed inspections during the period that its SHARP designation is valid.

If you are a small business employer interested in no-cost, confidential consultation visit by highly trained consultants, or to locate the consultation program in your state, visit OSHA's [On-Site Consultation Program webpage](#) or call (800) 321-6742 (OSHA).

To contact the State of Hawaii, HIOSH On-Site Consultation Program, call (808) 586-9100 or visit the [HIOSH Consultation webpage](#).

## Compliance Assistance Specialists

The HIOSH Compliance Assistance Specialist informs employers and workers about HIOSH standards, give presentations on specific hazards, and provide information on HIOSH's compliance assistance resources and cooperative programs. Email [dlir.hiosh@hawaii.gov](mailto:dlir.hiosh@hawaii.gov) or call (808) 586-9116.

## Standards, Regulations, and the General Duty Clause

Find HIOSH standards by visiting [www.labor.hawaii.gov/hiosh/standards/](http://www.labor.hawaii.gov/hiosh/standards/)

- General, Legal and Administrative Provisions for Occupational Safety & Health (§12-50, §12-51, §12-53, §12-54, §12-55, and §12-57, HAR)
- General Industry (§12-60, HAR)
- Construction (§12-110, HAR)

HIOSH also has regulations on posting and other administrative matters in §12-51-2, HAR and on recording and reporting of injuries and illnesses in §12-52.1, HAR.

In addition, HIOSH under §12-50 and §12-110, HAR has a general duty clause, which provides that:

- (a) Each employer – (1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees.

A recognized hazard is a danger recognized by the employer's industry or industry in general, by the employer, or by common sense. The general duty clause does not apply if there is an

HIOSH standard dealing with the hazard, unless the employer knows that the standard does not adequately address the hazard.

Review the HIOSH adopted OSHA standards to identify those that apply to your business. Read the introduction to the subpart heading, and then analyze the possible hazards in terms of your workplace, your equipment, your materials, and your workers. For example, if you are engaged in retail trade or service and you do not have compressed gases, flammables, or explosives on your premises, Hazardous Materials (Subpart H) standards do not apply to your business.

If you have any questions in determining whether a standard applies to your workplace, visit the OSHA or HIOSH website or contact the HIOSH office at (808) 586-9116. Employers can also read OSHA's [standard interpretations](#), which are letters or memos written in response to questions from the public about how OSHA interprets or enforces some aspect of an OSHA standard or regulation.

## HIOSH & OSHA Publications & Other Educational Materials

HIOSH and OSHA have educational materials to help employers and workers find and prevent workplace hazards, including:

- **Publications.** All OSHA publications are free at [www.osha.gov/publications](http://www.osha.gov/publications). You can also call 1-800-321-OSHA (6742) to order publications.
- **Videos.** OSHA videos are available at [www.osha.gov/video](http://www.osha.gov/video).
- **Safety and Health Topics Pages.** OSHA's [Safety and Health Topics pages](#) provide regulatory and enforcement information,

hazard identification and controls, and best practices and other resources to assist employers, workers, and safety and health professionals ensure safer workplaces.

- **QuickTakes.** Employers and safety and health professionals can sign-up for *QuickTakes* at [www.osha.gov/quicktakes](http://www.osha.gov/quicktakes). OSHA's free, twice-monthly online newsletter provides the latest news about OSHA initiatives and resources.
- **HIOSH Hazard Highlights (HHH).** Monthly sent out newsletters also available [online](#).

## Training Resources

- **Education Centers.** The OSHA Training Institute partners with [OSHA Training Institute Education Centers](#) at locations throughout the United States to deliver courses on OSHA standards and occupational safety and health topics to thousands of students a year. These OSHA education centers operate in conjunction with universities, colleges, and learning centers to conduct OSHA courses for the private sector and other federal agencies, making safety and health training and education more accessible to those who need it. There are tuition fees for private sector students.
- **Outreach Training Program.** The [OSHA Outreach Training Program](#) is a voluntary program to promote workplace safety and health and to make workers more knowledgeable about workplace hazards and their rights. Through this program, authorized trainers provide 10- and 30-hour training programs. Outreach training does not fulfill the training requirements found in OSHA standards. Employers must provide additional training for their workers on specific hazards of their job.

## HIOSH & OSHA Cooperative Programs

HIOSH and OSHA offer the following [cooperative programs](#) under which businesses, labor groups, and other organizations can work cooperatively with HIOSH and OSHA.

- **Strategic Partnerships.** Under the [OSHA Strategic Partnership Program \(OSPP\)](#), adopted by HIOSH, HIOSH partners with employers, workers, professional or trade associations, labor organizations, and other interested stakeholders. HIOSH Strategic Partnerships are unique agreements designed to encourage, assist, and recognize partner efforts to eliminate serious hazards and enhance workplace safety and health practices. HIOSH Strategic Partnerships establish specific goals, strategies, and performance measures to improve worker safety and health.
- **Alliance Program.** The [OSHA Alliance Program](#), adopted by HIOSH, enables the agency to develop voluntary, collaborative working relationships with organizations that are committed to workplace safety and health. Through the Alliance Program, HIOSH works with organizations such as trade and professional associations, labor unions, educational institutions, community and faith-based groups, and government agencies to share information about HIOSH and OSHA's initiative and compliance assistance resources with workers and employers, and educate workers and employers about their rights and responsibilities
- **Voluntary Protection Programs (VPP).** The [OSHA Voluntary Protection Programs \(VPP\)](#), adopted by HIOSH, recognize employers and workers in the private industry and state & local government agencies who have implemented effective safety and health

management systems and maintain injury and illness rates below national & state Bureau of Labor Statistics averages for their respective industries. In VPP, management, labor, and HIOSH work cooperatively and proactively to prevent fatalities, injuries, and illnesses through a system focused on: hazard prevention and control; worksite analysis; training; and management commitment and worker involvement. To participate, employers must submit an application to HIOSH and undergo a rigorous onsite evaluation by a team of safety and health professionals.

## Whistleblower Program: Protection from Retaliation

To help ensure that workers are free to participate in safety and health activities, Section 396-8(e) of the Hawaii Revised Statutes (HRS) prohibits any person from firing or in any manner retaliating against any worker for exercising rights under 396 HRS and §12-57 of the Hawaii Administrative Rules. These rights include raising safety and health concerns with an employer, reporting a work-related injury or illness, filing a complaint with HIOSH, seeking a HIOSH inspection, participating in a HIOSH inspection and participating or testifying in any proceeding related to a HIOSH inspection.

Protection from retaliation means that an employer cannot retaliate by taking “adverse action” against workers, such as:

- Firing or laying off
- Demoting
- Denying overtime or promotion
- Disciplining
- Denying benefits
- Failing to hire or rehire
- Intimidation or harassment
- Making threats
- Reassignment to a less desirable position or actions affecting promotion prospects
- Reducing pay or hours
- More subtle actions, such as isolating, ostracizing, mocking, or falsely accusing the employee of poor performance
- Blacklisting (intentionally interfering with an employee’s ability to obtain future employment)
- Constructive discharge (quitting when an employer makes working conditions intolerable due to the employee’s protected activity)
- Reporting the employee to the police or immigration authorities

Workers who believe an employer has retaliated against them for exercising their safety and health rights should contact HIOSH right away. A worker must file a retaliation complaint with HIOSH within 60 calendar days from the date the retaliatory decision has been both made and communicated to the worker. No form is needed, but workers must contact HIOSH within 60 days of the alleged retaliation. Complaints may be filed verbally with HIOSH by visiting or contacting the HIOSH office at (808) 586-9092 or may be filed in writing by sending a written complaint by facsimile, electronic communication, hand delivery during normal business hours, U.S. mail, or other third-party commercial carrier to the HIOSH office, or by filing a complaint online at [www.osha.gov/whistleblower/WBComplaint](http://www.osha.gov/whistleblower/WBComplaint). For more information, please visit OSHA’s [Whistleblower Protection Program webpage](#).

If a worker believes that working conditions are unsafe or unhealthful, the worker may file a complaint with HIOSH concerning a hazardous working condition. The worker may have a legal right to refuse to work if the condition clearly presents a risk of death or serious physical harm, there is not sufficient time for HIOSH to inspect, and, where possible, a worker has brought the condition to the attention of the employer. Visit the [HIOSH Complaint Webpage](#) for more information ([www.labor.hawaii.gov/hiosh/complaint](http://www.labor.hawaii.gov/hiosh/complaint)).

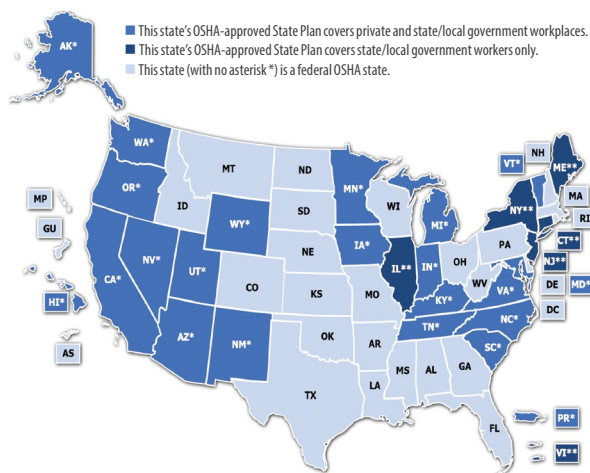


## State Plans

State Plans are OSHA-approved workplace safety and health programs operated by individual states or U.S. territories. There are currently 22 State Plans covering both private sector and state and local government workers, and there are seven State Plans covering only state and local government workers. OSHA monitors State Plans, which must be at least as effective as OSHA in protecting workers and in preventing work-related injuries, illnesses, and deaths.

If you are in a state with an OSHA-approved State Plan, you may be subject to different or additional requirements, and different or additional cooperative programs may be available to you.

For more information, and to find contact information for your State Plan, see OSHA's [State Plans webpage](#).



Map of states with OSHA-approved State Plan.

## National Institute for Occupational Safety and Health (NIOSH) Resources

NIOSH is a research agency focused on the study of worker safety and health, and empowering employers and workers to create safe and healthy workplaces. NIOSH is part of the U.S. Centers for Disease Control and Prevention (CDC), and has the mandate to assure "every man and woman in the Nation safe and healthful working conditions and to preserve our human resources."

Contact NIOSH: 1-800-CDC-INFO or TTY 1-888-232-6348, [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov).

### NIOSH Health Hazard Evaluation (HHE) Program

The [NIOSH HHE Program](#) helps employers and employees learn whether health hazards are present at their workplace and recommends ways to reduce hazards and prevent work-related illness. Evaluations are done at no cost.

### NIOSH Small Business Resource Guide

The [Small Business Resource Guide](#) provides plans, tools, tips, and information for keeping your workers safe and well while managing time and cost investments.

### NIOSH Fatality Assessment and Control Evaluation (FACE) Program

Through the [FACE Program](#), NIOSH and state partners investigate selected work-related fatalities to identify work situations that pose a high risk of injury. NIOSH and its partners then formulate and disseminate prevention strategies. FACE investigation reports and related NIOSH worker safety and health documents can be accessed at the [NIOSH FACE webpage](#).

## Other Resources

### Workers' Compensation Carriers and Other Insurance Companies

Many workers' compensation carriers, as well as liability and fire insurance companies, conduct periodic inspections and visits to evaluate safety and health hazards. Managers of small and medium-sized businesses should know what services are available from these sources. Contact your carrier to see what it has to offer.

### Trade Associations and Employer Groups

Many trade associations and employer groups collect and disseminate information on workplace safety and health matters to better serve their members. If you are a member of such a group, find out how it is assisting its members. If you are not a member, find out if these groups are also circulating their materials to nonmembers.

### Trade Unions and Employee Groups

If your workers are organized, set up communications, as you do in normal labor relations, to coordinate action on hazards in your business. Safety and health is one area where advance planning will produce action on common goals. Many trade unions have safety and health expertise that they are willing to share.

### Professional Associations

The following are examples of professional associations that have a broad range of expertise and information on workplace safety and health and have local chapters that small businesses could join.

- [National Safety Council](#)
- [American Society of Safety Professionals](#)
- [American Industrial Hygiene Association](#)

## Small Business Development Centers

The U.S. Small Business Administration (SBA) administers the [Small Business Development Center \(SBDC\) Program](#) to provide management and technical assistance to current and prospective small business owners. Their nearly 1,000 centers across the country have services that include helping small businesses with financial, marketing, production, organization, engineering, and technical problems.

## Voluntary Consensus Standards

Organization such as the [American National Standards Institute \(ANSI\)](#) and [National Fire Protection Association \(NFPA\)](#) issue voluntary consensus standards on various workplace safety and health topics. These are not OSHA standards, but they are developed by organizations through an open and balanced process to reflect current expertise and industry best practices.

## The Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA)

The *Small Business Regulatory Enforcement Fairness Act of 1996* (SBREFA) gives small businesses help in understanding and complying with OSHA regulations and allows them a voice in developing new regulations. Under SBREFA, OSHA must:

- Produce Small Entity Compliance Guides for some agency rules;
- Be responsive to small business inquiries about complying with the Agency's regulations;
- Submit final rules to Congress for review;
- Have a penalty reduction policy for small businesses; and
- Involve small businesses in developing proposed rules expected to significantly affect a large number of small entities through Small Business Advocacy Review Panels.

## Commenting on Enforcement Actions

Under a law passed by Congress in 1996, the Small Business Administration (SBA) has established an SBA Ombudsman and SBA Regulatory Fairness Boards to investigate small business complaints about Federal agency enforcement actions.

If you are a small business and believe that you have been treated unfairly by OSHA, you may file an electronic comment/complaint with the SBA Ombudsman online at: [www.sba.gov/ombudsman](http://www.sba.gov/ombudsman). Or you may contact the SBA's Office of the National Ombudsman:

- Toll-free Phone: (888) REG-FAIR (734-3247)
- Fax: (202) 481-5719
- E-mail: [ombudsman@sba.gov](mailto:ombudsman@sba.gov)

- Mail:  
Office of the National Ombudsman  
U.S. Small Business Administration  
409 3rd Street, S.W., MC2120  
Washington, DC 20416

For more information on SBREFA or to view the SBREFA Act in its entirety, visit the webpage: [www.sba.gov/advocacy](http://www.sba.gov/advocacy).

NOTE: Filing a complaint with the SBA Ombudsman does not affect any obligation that you may have to comply with an OSHA or HIOSH citation or other enforcement action. Nor does it mean that you need not take other available legal steps to protect your interests.

## OSHA Regional Offices

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### Region 1

Boston Regional Office  
(CT\*, ME\*, MA, NH, RI, VT\*)  
JFK Federal Building  
25 New Sudbury Street, Room E340  
Boston, MA 02203  
(617) 565-9860 (617) 565-9827 Fax

### Region 2

New York Regional Office  
(NJ\*, NY\*, PR\*, VI\*)  
Federal Building  
201 Varick Street, Room 670  
New York, NY 10014  
(212) 337-2378 (212) 337-2371 Fax

### Region 3

Philadelphia Regional Office  
(DE, DC, MD\*, PA, VA\*, WV)  
The Curtis Center  
170 S. Independence Mall West, Suite 740 West  
Philadelphia, PA 19106-3309  
(215) 861-4900 (215) 861-4904 Fax

### Region 4

Atlanta Regional Office  
(AL, FL, GA, KY\*, MS, NC\*, SC\*, TN\*)  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW, Room 6T50  
Atlanta, GA 30303  
(678) 237-0400 (678) 237-0447 Fax

### Region 5

Chicago Regional Office  
(IL\*, IN\*, MI\*, MN\*, OH, WI)  
John C. Kluczynski Federal Building  
230 South Dearborn Street, Room 3244  
Chicago, IL 60604  
(312) 353-2220 (312) 353-7774 Fax

### Region 6

Dallas Regional Office  
(AR, LA, NM\*, OK, TX)  
A. Maceo Smith Federal Building  
525 Griffin Street, Room 602  
Dallas, TX 75202  
(972) 850-4145 (972) 850-4149 Fax

### Region 7

Kansas City Regional Office  
(IA\*, KS, MO, NE)  
Two Pershing Square Building  
2300 Main Street, Suite 1010  
Kansas City, MO 64108-2416  
(816) 283-8745 (816) 283-0547 Fax

### Region 8

Denver Regional Office  
(CO, MT, ND, SD, UT\*, WY\*)  
Cesar Chavez Memorial Building  
1244 Speer Boulevard, Suite 551  
Denver, CO 80204  
(720) 264-6550 (720) 264-6585 Fax

### Region 9

San Francisco Regional Office  
(AZ\*, CA\*, HI\*, NV\*, and American Samoa,  
Guam and the Northern Mariana Islands)  
San Francisco Federal Building  
90 7th Street, Suite 2650  
San Francisco, CA 94103  
(415) 625-2547 (415) 625-2534 Fax

### Region 10

Seattle Regional Office  
(AK\*, ID, OR\*, WA\*)  
Fifth & Yesler Tower  
300 Fifth Avenue, Suite 1280  
Seattle, WA 98104  
(206) 757-6700 (206) 757-6705 Fax

\*These states and territories operate their own OSHA-approved job safety and health plans and cover state and local government employees as well as private sector employees. The Connecticut, Illinois, Maine, New Jersey, New York and Virgin Islands programs cover public employees only. (Private sector workers in these states are covered by Federal OSHA). States with approved programs must have standards that are identical to, or at least as effective as, the Federal OSHA standards.

Note: To get contact information for OSHA area offices, OSHA-approved state plans and OSHA consultation projects, please visit [www.osha.gov](http://www.osha.gov) or call 1-800-321-OSHA (6742).

## Contact HIOSH

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Visit the HIOSH office, go to <https://labor.hawaii.gov/hiosh>, or call (808) 586-9116 to:

- Ask questions
- Get information or advice

- Report an emergency, fatality, inpatient hospitalization, amputation, or loss of an eye
- File a confidential complaint

For a list of different ways to contact HIOSH, see <https://labor.hawaii.gov/hiosh/contact/>.

# EXHIBIT A

## §12-60-2, HAR Safety and Health Programs

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§12-60-2 Safety and health programs.

- (a) Scope and application. This section shall apply to all employers with employees doing business in the State.
  - (1) Every employer shall comply with the state laws, standards, and rules regarding a safe place of employment and safe practices, and shall do everything reasonable and necessary to protect the life, safety, and health of the employees.
  - (2) Employers involved with construction or related activities shall provide safe and healthful work places and practices that protect the employees and the affected general public as well.
  - (3) Every employer shall provide safe work places and practices by elimination or reduction of existing or potential hazards. Elimination of existing or potential hazards by design, process substitution, or other appropriate methods is preferred because it eliminates the need for further employee protection. When elimination is not feasible, reduction of existing or potential hazards to acceptable levels, using methods such as engineering or administrative controls, isolation, or guarding, shall be promptly used. When these methods are inadequate to reach acceptable levels, personal protective equipment shall be provided and used.

Exception: Employers with less than ten (10) employees need not comply with subsection (b)(1).

- (b) Employer duties and responsibilities. An employer subject to this standard shall meet the following requirements:
  - (1) Written safety and health program.
    - (A) The employer shall institute and maintain an effective safety and health program to identify, evaluate, and control workplace hazards. Employer safety and health programs which were developed prior to the promulgation of this section may be used to satisfy this requirement so long as they meet the criteria for an acceptable program set forth in subparagraph (B).
    - (B) The program shall at a minimum:
      - (i) Set forth policies, procedures, and practices that recognize and protect employees from occupational safety and health hazards.
      - (ii) Establish and communicate a clear goal for the safety and health program and the mechanisms that will be utilized in meeting this goal.

- (iii) Provide for visible top management leadership in implementing the program and ensure that all workers at the site, including contract workers, are provided equally high quality safety and health protection, so that all workers will understand that management's commitment is serious.
- (iv) Provide for and encourage employee involvement in the structure and operation of the program and in decisions that affect their safety and health, so that they will commit their insight and energy to achieving the safety and health program's goal and objectives. Involvement shall be accomplished through employee collective bargaining units, where appropriate.
- (v) Assign and communicate responsibilities for all aspects of the safety and loss prevention program to managers, supervisors, and employees so that they all know and understand what is expected of them in the implementation of the program.
- (vi) Provide a system to hold managers, supervisors, and employees accountable for their responsibilities under the safety and health program.
- (vii) Provide a reliable system for employees to notify management personnel or safety and health committee members of conditions that appear hazardous or of noncompliance with the terms of the safety and health program without fear of reprisal and provide a mechanism to ensure timely and appropriate responses to correct these conditions.
- (viii) Provide a mechanism to investigate accidents and "near miss" incidents, so that the root cause and means for preventing a recurrence are identified. For the purposes of this section, the term "accident" means any unexpected happening that interrupts the work sequence or process and that may result in injury, illness, or property damage.
- (ix) Provide a means to review injury and illness trends over time, so that patterns with common causes are identified and eliminated.
- (x) Establish a mechanism for the employer to conduct ongoing, periodic in-house safety and health inspections so that new or previously missed hazards or failures in controls are identified. Inspections shall be conducted with a frequency necessary to be effective.
- (xi) Address the impact of emergency situations and develop written plans and procedures to insure employee safety during emergencies. For the purpose of this section, the term "emergency situation" means an unforeseen single event or combination of events that calls for immediate action to prevent, control or contain injury or illness to person or damage to property.
- (xii) Establish procedures for transmitting and enforcing safe work practices in the workplace through training, positive reinforcement, as a reward system, public recognition, etc., correction of unsafe performance, and, if necessary,

reinforcement of work practices through a clearly defined and communicated disciplinary system.

- (C) The program shall be made available to the employees or their collective bargaining agent or both, upon request.

(2) Safe work practices.

- (A) The employer shall eliminate or control all existing and potential hazards within the workplace in a timely manner, using one or more of the following:

- (i) Engineering and work practice controls designed to control employee exposures to safety and health hazards by modifying the source to reduce exposure.
- (ii) Administrative controls designed to control employee exposure to safety and health hazards.
- (iii) Requirements for the distribution and proper use of personal protective equipment.
- (iv) A program of medical examinations or evaluations conducted by a qualified physician or health practitioner when required by a standard.

- (B) The employer shall ensure that practices are understood by all employees and are underscored through training, positive reinforcement, correction of unsafe performance, and, if necessary, through a clearly defined and communicated disciplinary system.

- (3) Periodic inspections. The employer shall conduct periodic in-house safety and health inspections so that new or previously missed hazards or failures in engineering, work practice, and administrative controls are identified. The inhouse inspections will be conducted by individuals who are trained to recognize hazardous conditions, as members of the safety and health committee or a person designated and trained by the employer for the facility's safety and health program.

(4) Safety and health training.

- (A) The employer shall develop and institute a safety and health training program for all employees so they have an understanding of the hazards to which they may be exposed, and the procedures or practices needed to protect them from these hazards.
- (B) In addition, supervisors and managers shall be trained in the elements of the employer's safety and health program and in the specific responsibilities assigned to them under the program.
- (C) The employer shall ensure that the supervisors and managers understand their responsibilities under the safety and health program and their importance to the safety and health of the workplace. In particular, the training for managers and supervisors shall enable them to:
  - (i) Recognize potential hazards;

- (ii) Maintain safety and health protection in the work area; and
  - (iii) Reinforce employee training on the nature of the potential hazards and required protective measures.
- (c) The use of any machinery, tool, material, or equipment which is not in compliance with any applicable requirement of these standards is prohibited. The machine, tool, material, or equipment shall either be identified as unsafe by tagging or locking the controls to render them inoperable or shall be physically removed from its place of operation.
- (d) The employer shall permit only those employees qualified by training or experience to operate equipment and machinery.
- (e) For procedures in reporting accidents, consult chapter 12-52.1.
- (f) All safety devices and safeguards in use shall be kept sound and operable.
- (g) Any employee having knowledge of the existence of any unsafe device, practice, operation, safeguard, equipment, or condition shall promptly inform the supervisor or person in charge. A supervisor or person in charge to whose attention the existence of any unsafe device, practice, operation, safeguard, equipment, or condition is called shall take immediate steps to correct the unsafe condition or practice.

[Eff 12/6/82; am 8/16/84; am 9/21/96; am and comp 10/27/18] (Auth: HRS §396-4) (Imp: HRS §396-4)

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Access the §12-60-2 and related standards at: [www.labor.hawaii.gov/hiosh/standards/](http://www.labor.hawaii.gov/hiosh/standards/)

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KA MOKU'ĀINA O HAWAI'I  
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