Advanced Safety, Environmental & Response Technologies

TRAINING CATALOG

Bridgeport, West Virginia

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Bloodborne Pathogens

Description

The course will provide the participate with a basic understanding of bloodborne pathogens, common modes of transmission, methods of prevention, and what to do if an exposure occurs. Information presented will help minimize serious health risks to persons who may have personal exposure to blood and other potentially infectious materials in the workplace.

Objective

- Specify the components of an Exposure Control Plan
- Identify bloodborne pathogens and symptoms of bloodborne diseases
- Identify modes of transmission of bloodborne pathogens
- Recognize activities in the workplace that may involve exposure to blood and other potentially infectious materials
- Identify preventative controls to reduce or eliminate exposure to bloodborne pathogens
- Specify the proper use and handling of personal protective equipment to reduce exposure to bloodborne pathogens
- Specify proper decontamination procedures for blood or other potentially infectious materials
- Specify the procedures to follow if an exposure incident occurs

Primary Drivers

OSHA 29 CFR 1910.1030, Bloodborne Pathogens

Related Drivers

None

Intended Audience

Anyone who performs job duties that could bring them into contact with blood or body fluids in the workplace including, but not limited to healthcare workers, emergency medical/first aid responders, or persons cleaning healthcare areas, equipment or devices

Confined Space Awareness

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Description

The course introduces information about permitted and non-permitted confined spaces. The characteristics of hazardous atmospheres will be addressed. The intent of the course is to provide the learner with awareness level information about the hazards and hazard control methods that will permit safe work in enclosed work areas or confined spaces.

Objective

- List terms commonly associated with confined spaces
- Describe the difference between permit-required confined spaces and non-permit required confined spaces
- List hazards associated with confined spaces
- Describe signs and symptoms of overexposure

Primary Drivers

OSHA 29 CFR 1910.146, Permit-Required Confined Spaces

Related Drivers

OSHA 29 CFR 1910 Subpart Z, Toxic and Hazardous Substances
OSHA 29 CFR 1910 Subpart I, Personal Protective Equipment
OSHA 29 CFR 1910 Subpart R, Special Industries

Intended Audience

Employees who are assigned work in and around work areas that have been identified as confined spaces.

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Confined Space Entry

Description

The course covers information about confined spaces, hazardous atmospheres, necessary equipment, and permits. The intent of the course is to provide the learner with information about the hazards and hazard control methods that will permit safe work in enclosed work areas or confined spaces.

Objective

- Recognize terms commonly associated with confined spaces
- Distinguish the difference between permit-required confined spaces and non-permit required confined spaces
- Identify hazards associated with confined spaces
- Recognize signs and symptoms of overexposure
- Identify equipment needed for confined space entry
- Specify safe entry procedures for confined space
- Recognize permits posted at points of entry to a confined space, and specify their purpose and use
- Identify the duties and responsibilities of personnel involved with confined spaces

Primary Drivers

OSHA 29 CFR 1910.146, Permit-Required Confined Spaces

Related Drivers

OSHA 29 CFR 1910 Subpart Z, Toxic and Hazardous Substances
OSHA 29 CFR 1910 Subpart I, Personal Protective Equipment
OSHA 29 CFR 1910 Subpart R, Special Industries

Intended Audience

Employees who are assigned work in and around work areas that have been identified as confined spaces.

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Defensive Driving-Safe Driver

Description

The course will provide simple defensive driving techniques to reduce employee's chances of being involved in a motor vehicle accident.

Objective

- Define defensive driving
- Recognize accident prevention methods
- Identify the importance of seat belts
- Describe the facts concerning the impact of "drinking and driving"
- Identify vehicle safety measures on the job

Primary Drivers

None

Related Drivers

None

Intended Audience

Employees, first-line supervisors, and department managers

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DOT 181 / 126 F Awareness

Description
Course is designed to train personnel for proper placarding, labeling and handling proper shipping documents for hazardous materials and hazardous waste activities.

Objective
To supply the employee with the knowledge needed to provide proper documentation and handling of shipment of hazardous materials and hazardous waste.

Primary Drivers
49 Code of Federal Regulations

Related Drivers
United Parcel Services
Federal Express
Any Regulated Hazardous Materials Transportation Units

Intended Audience
Personnel who potentially place labels or placards on a container or transport vessel along with signing any type of shipping documents.

DOT 181 / 126 F Air Transportation

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Description
Course is designed to train personnel for proper placarding, labeling and handling proper shipping documents for hazardous materials and hazardous waste activities. Mainly focused on I.A.T.A. regulations

Objective
To supply the employee with the knowledge needed to provide proper documentation and handling of shipment of hazardous materials and hazardous waste.

Primary Drivers
49 Code of Federal Regulations

Related Drivers
United Parcel Services
Federal Express
Any Regulated Hazardous Materials Transportation Units

Intended Audience
Personnel who potentially place labels or placards on a container or transport vessel along with signing any type of shipping documents. Main focus is based on shipping samples or hazardous materials shipments.

Fall Protection Awareness

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Description

The course is intended to provide participates who might be exposed to fall hazards the ability to recognize such hazards and the ability to minimize them.

Objective

- Identify workplace fall hazards
- Recognize fall protection systems
- Specify fall prevention methods
- Identify fall protection equipment limitations
- Describe the components of a fall protection program

Primary Drivers

OSHA 29 CFR 1910, Subpart D, Walking-Working Surfaces
OSHA 29 CFR 1910, Subpart F, Powered Platforms, Man-lifts, and Vehicle-Mounted Work Platforms
OSHA 29 CFR 1926, Subpart M, Fall Protection
OSHA 29 CFR 1926, Subpart L, Scaffolds
OSHA 29 CFR 1926, Subpart E, Personal Protective and Life Saving Equipment
OSHA 29 CFR 1926, Subpart X, Stairways and Ladders
OSHA 29 CFR 1926, Subpart P, Excavations

Related Drivers

None

Intended Audience

All personnel exposed to a potential free fall greater than four feet (six feet for construction) while on the job.

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Fire Prevention and Safety

Description

The training course addresses how to prevent fires and recognize fire hazards. It will also discuss what actions to take in the event of a fire, including the proper use of portable fire extinguishers.

Objective

- Define the chemistry of fire
- Recognize common fire hazards
- Classify types of fires and fire extinguishers
- Identify the general requirements of egress (i.e., exit) standards
- Specify how to prevent workplace fires
- Identify how to respond to a fire
- Specify the proper use of portable fire extinguishers

Primary Drivers

OSHA 29 CFR 1910.38, Fire Protection
OSHA 29 CFR 1926, Subpart F, Fire Protection and Prevention
OSHA 29 CFR 1910, Subpart E, Means of Egress
OSHA 29 CFR 1910.157, Portable Fire Extinguishers

Related Drivers

None

Intended Audience

All employees

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First Aid: Basic

Description

First aid is the immediate care for victims of injuries or sudden illness, before professional medical treatment is available. It not only involves the victim's physical condition and emotional state, but the entire emergency situation. This training session will focus on how to use a systematic approach to evaluate an emergency situation and respond to basic first aid situations prior to the arrival of the Emergency Medical Services (EMS). NOTE: This training serves as primary basis for first aid certification. It is intended to provide the learner with awareness level knowledge based training.

Objective

- Describe how to appropriately respond to a medical emergency
- State how to examine an accident victim for injuries
- Recall basic first aid techniques used to treat the following injuries: Severe bleeding, bleeding shock, fractures and dislocations of bones, and burns

Primary Drivers

29 CFR 1910.151, Medical Services and First Aid

Related Drivers

None

Intended Audience

All employees

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First Aid / CPR / AED

Description

First aid is the immediate care for victims of injuries or sudden illness, before professional medical treatment is available. It not only involves the victim's physical condition and emotional state, but the entire emergency situation.

Emergencies requiring CPR can and do occur without warning. It is important that participates know the basic emergency techniques for recognizing and treating failures of the respiratory system and heart. This course will focus on the ABCs of basic life support: maintaining an open airway, restoring breathing, and restoring circulation.

Sudden cardiac arrest (SCA) is a condition in which the heartbeat stops suddenly and unexpectedly. Without immediate treatment, the condition is almost always fatal. The best chance to regain a pulse is to shock the victim using an Automated External Defibrillator (AED). The primary focus of this course is the proper use of the AED. Use of the AED also includes the ABCs of basic life support: maintaining an open airway, restoring breathing, and restoring circulation, which will also be briefly reviewed in this training. NOTE: This training serves as the primary basis for First Aid/CPR/AED certification. This hand on training should be accompanied with a performance-based component provided by a certified instructor.

Objective

- Describe how to appropriately respond to a medical emergency
- State how to examine an accident victim for injuries
- Recall basic first aid techniques used to treat the following injuries: Severe bleeding, bleeding shock, fractures and dislocations of bones, and burns
- Recall basic CPR techniques
- State the procedure for using an Automated External Defibrillator
- Recall basic life support techniques used to open a victim's airway, restore breathing, and restore circulation.

Primary Drivers

29 CFR 1910.151, Medical Services and First Aid

Related Drivers

None

Intended Audience

All employees

First Aid: First Responder

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Description

Medical emergencies can occur at anytime but may be hidden because of injuries suffered in an accident, or an accident may trigger a medical emergency such as a heart attack, stroke, or seizure. The training course will focus on the signs and symptoms of specific medical emergencies and their treatment. Being trained in first aid could mean the difference between life and death. NOTE: This training should not be used as the primary basis for any first aid certification. It is intended to provide the learner with knowledge-based training only. This training should be accompanied with a performance-based component provided by a certified first aid instructor.

Objective

- Describe how to appropriately respond to a medical emergency
- Recall the signs, symptoms, and first aid treatment of the following medical emergencies: choking, poisoning, heart attacks, respiratory distress, stroke, seizures and diabetic shock

Primary Drivers

29 CFR 1910.151, Medical Services and First Aid

Related Drivers

None

Intended Audience

All employees

Forklift Safety

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Description

The purpose of this training is to help employees become a qualified forklift operator, one who has the skills and knowledge to operate a lift truck in a safe and proper manner.

Objective

- Recognize general engineering principles associated with forklift safety
- Identify factors that lead to forklifts tipping over
- Distinguish between safe and unsafe forklift operations
- Describe the differences between driving an automobile and a forklift
- Identify general loading and unloading principles associated with forklift safety
- Specify safe refueling and recharging procedures
- List the steps to perform an inspections

Primary Drivers

OSHA 29 CFR 1910.178, Powered Industrial Trucks

Related Drivers

OSHA 29 CFR 1910.110, Storage and handling of liquefied petroleum gases
OSHA 29 CFR 1910.176, Handling materials
OSHA 29 CFR 1910.177, Servicing multi-piece and single piece rim wheels
OSHA 29 CFR 1915.120, Shipyard Employment; Powered Industrial Truck Operator
OSHA 29 CFR 1917.43, Marine Terminal Training; Powered Industrial Trucks
OSHA 29 CFR 1918.65, Long Shoring; Mechanical-Powered Vehicles Aboard Vessels
OSHA 29 CFR 1926.602, Construction, Material Handling Equipment

Intended Audiences

Employees operating and servicing forklifts.

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Hazard Communication

Description

The training course will acquaint participant with the precautions that both employer and employee must take in order to safely use, handle, and dispose of hazardous chemicals in the workplace.

Objective

- Identify employer responsibilities and employee responsibilities under the Hazard Communication Standard
- Describe methods used to detect hazardous materials in the workplace
- Define categories of physical hazards
- Define categories of health hazards
- Identify routes of chemical entry into the body
- List methods used to control hazardous chemicals
- List the information that must be displayed on a manufacturer's warning label
- Identify the different types of warning labels
- Describe the information that can be found on a material safety data sheet (MSDS)
- Identify sources of reference material for hazardous materials

Primary Drivers

OSHA Regulation 29 CFR 1910.1200, the Hazard Communication Standard

Related Drivers

None

Intended Audience

Employees and employers who work with hazardous chemicals

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40 Hour HAZWOPER Training

Description

The training course provides information about the history, purpose and mission of key regulatory agencies including OSHA, EPA, and DOT. The intent of the course is to provide the learner with methods to response to emergency situations. The training discusses actions to reduce the risk of fire, explosion due to chemical reactions, ignition of explosive or flammable chemicals, ignition of materials due to oxygen enrichment, and sudden release of materials under pressure. Measure designed to minimize participate exposure to hazardous substances, and prevent the migration of contamination to "clean" areas of the site are addressed.

OSHA requires the following topics to be covered in this training:

- Names of personnel and alternates responsible for site safety and health
- Safety, health, and other hazards
- Use of personal protective equipment
- Work practices by which the employee can minimize risks from hazards
- Safe use of engineering controls and equipment
- Medical surveillance requirements, including recognition of symptoms and signs related to overexposure to hazards
- Decontamination
- Emergency response
- Confined space entry procedures
- Spill containment

Primary Drivers

OSHA 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response

Related Drivers

None

Intended Audience

Regular hazardous waste site workers and managers

HAZWOPER Annual 8-Hour Refresher

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Description

The course is an annual refresher training of eight hours and is required for regular hazardous waste site workers and managers. The eight-hour is a refresher to an original 40 or 24 hour training in hazardous waste operations and emergency response.

OSHA requires the following topics to be covered in this training:

- Safety, health, and other hazards
- Use of personal protective equipment
- Work practices by which the employee can minimize risks from hazards
- Safe use of engineering controls and equipment
- Medical surveillance requirements, including recognition of symptoms and signs related to overexposure to hazards
- Decontamination
- Emergency response
- Confined space entry procedures
- Spill containment

Primary Drivers

OSHA 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response

Related Drivers

OSHA 29 CFR 1926
OSHA 29 CFR 1910 Subpart E, Means of Egress
OSHA 29 CFR 1910 Subpart H, Hazardous Materials
OSHA 29 CFR 1910 Subpart J, General Environmental Controls
OSHA 29 CFR 1910 Subpart K, Medical and First Aid
OSHA 29 CFR 1910 Subpart L, Fire Protection
OSHA 29 CFR 1910 Subpart R, Special Industries
OSHA 29 CFR 1910 Subpart Z, Toxic and Hazardous Substances
OSHA 29 CFR 1910 Subpart I, Personal Protective Equipment, Including Respiratory Protection
OSHA 29 CFR 1910.146 Permit Required Confined Spaces
EPA 40 CFR PART 311 – Worker Protection

Intended Audience

Regular hazardous waste site workers and managers

Heat Stress

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Description

Each year more people in the United States die from extreme heat than from hurricanes, lightening, tornados, floods, and earthquakes combined. This training course will discuss the effects of heat on the body, outline the risk factors for heat-related illnesses, and describe the associated treatments for each. This training will also explain several control measure techniques and safe work practices that can be use to prevent heat related stresses.

Objective

- Upon completion of this course apply the techniques of cold stress injury prevention according to Section 5(a)(1) of the OSH Act.
- Describe how the body handles heat, and what personal factors may lead to heat stress
- Identify the signs, symptoms, and treatments of heat-related illnesses
- Recall prevention and control measures that participate can use to minimize heat stress

Primary Drivers

Section 5(a)(1) of the OSH Act

Related Drivers

None

Intended Audience

All personnel that may be required to work in hot environments

Hot Work Permits

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Description

Hot work can be defined as any operation such as brazing, cutting, welding, grinding, soldering, or torching that can cause sparks or flames. While such work is necessary, the hazards associated can be minimized through an effective hot work permit program. The training course provides an overview of an OSHA compliant hot work permit program to include the permit process, roles and responsibilities, and controls used to minimize the risk of fire.

Objective

- Identify key elements of a Hot Work Permit Program
- Describe the primary roles and responsibilities of key personnel involved in a compliant hot work permit program
- Recall controls used to minimize the risk of fire and injury during hot work operations.

Primary Drivers

29 CFR 1910.252 Subpart Q – Welding Cutting

Related Drivers

None

Intended Audience

All personnel involved in hot work operations

Hydrogen Sulfide

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Description

The training course is designed to provide an awareness of the hazards of hydrogen sulfide as well as how to detect and minimize exposures. Hydrogen sulfide is one of the most toxic gases that is produced or can be found in industrial, public works, and manufacturing processes. It is generated as a common by-product of many industrial and manufacturing processes, and during the decomposition of compounds containing sulfur.

Objective

- Recognize characteristics of hydrogen sulfide and exposure limits
- Describe equipment and proper detection methods
- Recognize symptoms of exposure and precautions to take during an emergency

Primary Drivers

1910 Subpart Z – Toxic and Hazardous Substances 1910.1000- Air Contaminants

Related Drivers

None

Intended Audience

All personnel who have the potential to be exposed to hydrogen sulfide

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Lockout/Tagout

Description

The training course contains information about control of hazardous energy and work under the protection of a Lockout/Tagout permit. The intent of the course is to provide basic information of lockout/tagout practices and the significance of lockout/tagout devices that help identify and control hazardous energy sources.

Objective

- Define lockout/tagout terms
- Identify the purpose and use of the lockout/tagout program
- Identify the general requirements of lockout/tagout
- Identify the limitations of tags used in the lockout/tagout program
- Identify the hazards and consequences of operating machines or equipment that have been locked out or tagged out.

Primary Drivers

OSHA 29 CFR 1910.147, The Control of Hazardous Energy

Related Drivers

OSHA 29 CFR 1910 Subpart R, Special Industries
OSHA 29 CFR 1910 Subpart S, Electrical
OSHA 29 CFR 1910 Subpart O, Machinery and Machine Guarding

Intended Audience

All persons whose jobs will require the operation or use of a machine or equipment on which service or maintenance is to be performed, or whose duties will require that person to work in an area in which such servicing or maintenance is being performed.

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Personal Protective Equipment

Description

The training course covers types, selection of, maintenance, and care of personal protective equipment in the workplace. The types of PPE covered in the course include: hard hat, respiratory protection, hearing protection, and body protection.

Objective

- Describe the proper use of the various types of PPE commonly found in general industry
- Identify the level of protection that a user is provided when wearing specific types of PPE
- Discuss the general maintenance and care techniques used for various types of PPE

Primary Drivers

OSHA 29 CFR 1910 Subpart I, Personal Protective Equipment

Related Drivers

OSHA 29 CFR 1910 Subpart R, Special Industries
OSHA 29 CFR 1910 Subpart L, Fire Protection
OSHA 29 CFR 1910 Subpart D, Walking-Working Surfaces
OSHA 29 CFR 1910 Subpart F, Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms
OSHA 29 CFR 1910 Subpart N, Materials Handling and Storage
OSHA 29 CFR 1910 Subpart O, Machinery and Machine Guarding
OSHA 29 CFR 1910 Subpart P, Hand and Portable Powered Tools and Other Hand-Held Equipment
OSHA 29 CFR 1910 Subpart Q, Welding, Cutting, and Brazing
OSHA 29 CFR 1910 Subpart S, Electrical
OSHA 29 CFR 1910 Subpart T, Commercial Diving Operations
OSHA 29 CFR 1910 Subpart Z, Toxic and Hazardous Substances

Intended Audience

All persons who will be in work areas where specific job-related hazards (flying/falling objects, hazardous materials, high noise levels, respiratory hazards, exposure to temperature extremes, potential exposure to energy sources, fall potentials, etc.) have been identified.

Portable Fire Extinguishers

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Description

The training course is designed to protect employees and help prevent serious property loss from workplace fires. It identifies the various classes of fires, types of portable fire extinguishers, and actions to take in the event of a fire. It describes when and how to use portable fire extinguishers to put out small fires. * HANDS ON TRAINING*

Objective

- Upon completion of this course, apply the principles and techniques of how, when, and where to use a portable fire extinguisher in accordance with appropriate Title 29 CFR requirements
- Discuss the regulatory background for portable fire extinguishers
- Classify types of fires
- Identify types of portable fire extinguishers and fire extinguishing agents
- Describe the proper location and use of portable fire extinguishers

Primary Drivers

OSHA 29 CFR 1910.157, Portable fire extinguishers
OSHA 29 CFR 1910.38, Emergency Action Plan

Related Drivers

None

Intended Audience

Employees responsible for using portable fire extinguishers in the event of a fire.

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Respiratory Protection

Description

The comprehensive training course covers information relating to respiratory hazards, protection mechanisms, and safe work practices. This course also includes information on how to use respiratory protection for protection from hazardous airborne contaminants in the work environment. This course does not include the types of respirators and other protective considerations when working with ionizing radiation.

Objective

- Recognize why respiratory protection is necessary
- Match employee and employer responsibilities for respiratory protection
- Identify the nature, extent, and effects of respiratory hazards to which participate may be exposed
- Specify the operation, limitations, and capabilities of respirators
- Identify respirator selection procedures and practices
- Specify proper respirator use and inspection practices
- Recognize proper respirator maintenance, cleaning, and storage practices
- Recognize respirator malfunction and follow-up procedures

Primary Drivers

OSHA 29 CFR 1910 Subpart I, Respiratory Protection

Related Drivers

None

Intended Audience

Persons who will be potentially exposed to hazardous airborne contaminants in the course of their work

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Slips, Trips and fall

Description

The training course discusses how slips, trips and falls constitute the majority of general industry accidents. They cause 15% of all accidental deaths, and are second only to motor vehicles as a cause of fatalities. This course is intended to provide employees with the ability to recognize and prevent slip, trip, and fall hazards and to address the key components of ladder safety.

Objective

- List injuries that can result from slips, trips, and falls
- Identify fall hazards in the work area
- Describe the proper use of a ladder
- Specify how to set up a ladder
- List tips to prevent injuries on stairs
- Describe how to minimize walkway hazards
- List contributing factors to slips, trips, and falls

Primary Drivers

OSHA 29 CFR 1910 Subpart D "Walking-Working Surfaces"
OSHA 29 CFR 1926 Subpart E "Personal Protective and Life Saving Equipment"
OSHA 29 CFR 1910 Subpart F "Powered Platforms, Man-lifts, and Vehicle-Mounted Work Platforms"
OSHA 29 CFR 1926 Subpart L "Scaffolds"
OSHA 29 CFR 1926 Subpart M "Fall Protection"
OSHA 29 CFR 1926 Subpart P "Excavations"
OSHA 29 CFR 1926 Subpart X "Stairways and Ladders"

Related Drivers

OSHA 29 CFR 1910 Subpart I "Personal Protective Equipment"
OSHA 29 CFR 1910 Subpart R "Special Industries"

Intended Audience

All personnel exposed to potential slip, trip and fall hazards while on the job and who have the potential to use or be around ladders during the course of a routine/non-routine workday.