



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: 2027 Pendleton Public Works Annual Training

Presenter: Jake Doescher Title: Safety and Compliance Officer

Employer: City of Pendleton Address: 1501 SE Byers Ave

City: Pendleton State: OR Zip: 97801 Phone: 541-969-3174

Summary of Lesson content: Blood Borne Pathogen Awareness, Fall Protection for Water Utilities, LOTO Hazardous

Energy, Excavation Safety/OSHA Competent Person, Confined Space General Awareness, Working in Extreme Weather

and Wildfire Smoke, PPE, Machine Guarding, Ladder Safety, Hazard Communication (GHS)

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: Safety manager experience in manufacturing and construction. Safety professional in nuclear energy. Instructor experience regarding safety programs and compliance.

Education (High School, Upgrades, Colleges and Degrees): Master of Science in Occupational Safety and Health

Professional Registration/Certification: OSHA-30 Hour, Confined Space Train-the-Trainer

Related papers/instruction you have presented:

Title: Confined Space Entry Date: 3/31/2026 Event: Eastern Oregon AWWA/PNCWA Conference

Title: Bloodborne pathogens Date: 3/31/2026 Event: Eastern Oregon AWWA/PNCWA Conference

Professional Organizations/Activities:

None Date: N/A

None Date: N/A

Course sponsor: City of Pendleton (OESAC ID#209)

Signature of Instructor:  J. DOESCHER Date: 8/6/2026

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

Return Completed Form To: **OESAC CEU COMMITTEE**
P.O. Box 577
Canby, OR 97013-0577

Email: info@oesac.org
Phone: 503-698-6486

2027 Pendleton Public Works Annual Training Schedule

Date/Time	Topic	DW CEU	WW CEU
January 12 th , 2027	Bloodborne Pathogens Awareness- City of Pendleton	.1	.1
February 9 th , 2027	Fall Protection for Water Utilities (Initial) - D2000 Safety	.4	.4
March 9 th , 2027	LOTO Hazardous Energy- City of Pendleton	.1	.1
April 13 th , 2027 (Possibly 14 th also)	Excavation Safety/ OSHA Competent Person- United Rentals	.5	.5
May 11 th , 2027	Confined Space Entry General Awareness- City of Pendleton	.1	.1
June 8 th , 2027	Working in Extreme Weather and Wildfire Smoke Exposure- City of Pendleton	.1	.1
	No Training-Construction Season	--	--
	No Training-Construction Season	--	--
September 21 st , 2027	Personal Protective Equipment (PPE)- City of Pendleton	.1	.1
October 19 th , 2027	Machine Guarding- City of Pendleton	.1	.1
November 16 th , 2027	Ladder Safety- City of Pendleton	.1	.1
December 8 th , 2027	Hazard Communication (GHS)- City of Pendleton	.1	.1
	Total CEUs	1.7	1.7

OESAC Course Submittal - Bloodborne Pathogens

Course Overview

This course provides participants with essential knowledge and skills to recognize, prevent, and respond to occupational exposure to bloodborne pathogens (BBPs). The training is designed in accordance with OSHA Standard 29 CFR 1910.1030 and emphasizes workplace safety procedures, proper use of personal protective equipment (PPE), and compliance with exposure control plans. Participants will learn how to identify potential sources of exposure, understand modes of transmission for common bloodborne diseases (such as Hepatitis B, Hepatitis C, and HIV), and apply best practices for exposure prevention and post-exposure response. The course includes lecture-based instruction, visual demonstrations, and scenario-based discussions to reinforce learning. By the end of the training, participants will have a clear understanding of regulatory requirements, employer and employee responsibilities, and practical methods to reduce risks in their work environment.

Learning Objectives

- Define bloodborne pathogens and list common diseases associated with occupational exposure.
- Describe how bloodborne pathogens are transmitted in the workplace.
- Identify tasks and procedures that may put workers at risk of exposure.
- Explain the components of an Exposure Control Plan and its role in workplace safety.
- Demonstrate knowledge of proper PPE selection, use, and disposal.
- Describe the steps to take in the event of an exposure incident, including reporting and medical follow-up.
- Understand applicable OSHA requirements and employee rights under the standard.

Condensed Course Summary

This course provides essential training on recognizing, preventing, and responding to occupational exposure to bloodborne pathogens in compliance with OSHA 29 CFR 1910.1030. Topics include modes of transmission, common diseases (Hepatitis B, Hepatitis C, HIV), identifying exposure risks, proper use of PPE, components of an Exposure Control Plan, and post-exposure response procedures. Designed for employees with potential occupational exposure, this 1-1.5-hour course combines lecture, discussion, and case scenarios to reinforce safe work practices and regulatory compliance.

Course Outline with Time Allocations

Section	Description	Time Allocation
1. Introduction	Welcome, objectives, importance, OSHA overview	5 min
2. Understanding Bloodborne Pathogens	Definition of bloodborne pathogens; Common diseases: Hepatitis B (HBV), Hepatitis C (HCV), Human Immunodeficiency Virus (HIV); Myths vs. facts about transmission	10 min
3. Modes of Transmission	Contact types, sharps hazards, mucous membrane exposure	10 min
4. Identifying Exposure Risks	Job tasks, OPIM recognition	10 min
5. Exposure Control Plan	Exposure Control Plan (ECP) Purpose, components, engineering and work controls	10 min
6. Personal Protective Equipment (PPE)	Proper use, disposal, limitations	10 min
7. Post-Exposure Response	Immediate actions, reporting, medical follow-up	10 min
8. Vaccinations & Medical Considerations	Hepatitis A & B vaccinations, employee rights & employer responsibilities	5 min
9. Summary & Review	Key takeaways, safe practices reinforcement	5 min

Course Length: 1.0 Hour

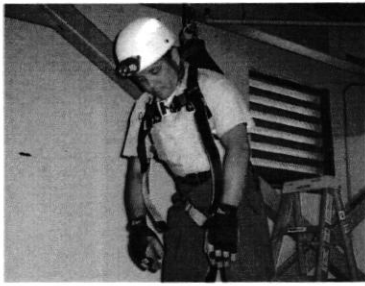
Format: Lecture, discussion, visual aids

Intended Audience: Employees with potential occupational exposure to bloodborne pathogens, including public works, utility workers, first responders, and maintenance staff.

Regulatory Reference:

(Federal) OSHA 29 CFR 1910.1030 - Bloodborne Pathogens Standard

(State-Oregon) OAR 437-002-1030 Additional Oregon Rules for Bloodborne Pathogens



Safety and Rescue Training
for high-hazard work activities

**Confined Space
Fall Protection
Excavation
Forklift**

Fall Protection for Water Utilities Initial Course

Anyone who uses fall protection equipment must be trained.

After completing this four-hour course, students will be able to inspect their equipment, identify the four main components of fall arrest systems, calculate fall forces/distances, comply with the requirements of a fall protection plan.

This class is designed to be taught online, therefore the students will require additional on-the-job training to ensure they can perform as required.

Course materials and training reflect applicable federal and state OSHA regulations.

Course Outline

Course Objectives

When you have finished this course you should be able to:

- Calculate fall clearances and arresting forces.
- Distinguish between fall restraint, work positioning, and fall arrest.
- Don and adjust a harness.
- Inspect fall protection equipment.
- List symptoms and means of preventing suspension trauma.

Course materials include a student workbook containing checklists and forms that are essential for any comprehensive fall protection program.



Introduction to Fall Protection

Fall Basics
Policies and Procedures
Qualified and Competent Persons

Physics of a Fall

Basic Terminology
Fall Distances

Types of Fall Protection

Hierarchy of Controls
Fall Restraint
Positioning Systems
Personal Fall Arrest Systems

Other Fall Protection Challenges

Ladders
Floor Openings

Equipment Maintenance/Inspection

Inspection Process
Retiring Equipment

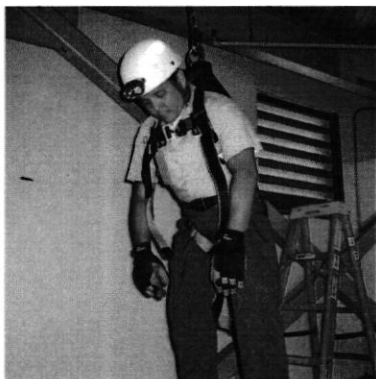
Rescue

Types of Rescue
Rescue Plans and Procedures

Our programs reflect:

ANSI/ASSE Z490.1 Criteria for Accepted Practices in Safety, Health, and Environmental Training





Fall Protection

Fall Protection for Water Utilities Initial Course

Course Timeline

The exact timing of this course will vary depending on the number of students in the class. However, the schedule below would be typical for this class.

7:30 - 11:30 am

Introduction to Fall Protection

- Fall Basics
- Policies and Procedures
- Qualified and Competent Persons

Physics of a Fall

- Basic Terminology
- Fall Distances

Types of Fall Protection

- Hierarchy of Controls
- Fall Restraint
- Positioning Systems
- Personal Fall Arrest Systems

Other Fall Protection Challenges

- Ladders
- Floor Openings

Equipment Maintenance/Inspection

- Inspection Process
- Retiring Equipment

Rescue

- Types of Rescue
- Rescue Plans and Procedures

Our programs reflect:

ANSI/ASSE Z490.1-2009 *Criteria for
Accepted Practices in Safety, Health,
and Environmental Training*



OESAC Course Submittal – LOTO Hazardous Energy

Course Overview

This course provides the general knowledge of LOTO Hazardous Energy requirements for public works water and wastewater operators. Students will understand the OSHA standards, definitions, and exceptions applied to hazardous energy in the workplace. The class trains water and wastewater workers the importance of LOTO, the employee/employer responsibilities, understanding hazardous energy, and the types of isolation/ LOTO devices. This course will provide water and wastewater operators the knowledge of common hazards associated with hazardous energy. This course will ensure the understanding of LOTO procedures and steps as well as start-up procedures.

Learning Objectives

- Overview of LOTO definition, OSHA standard, common terms, and exceptions.
- Understand the employee and employer responsibilities with hazardous energy.
- Understand the definition of hazardous energy and examples within the workplace.
- Understand the types and causes of injuries due to inadequate hazardous energy procedures.
- Knowledge of energy isolating devices and lock-out devices.
- Understanding the requirements of tag-out when devices are applied.
- Knowledge of energy-control procedures and start-up procedures.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	Definitions, standards, common terms, exceptions	10 Minutes
Hazardous Energy	Definition, examples of hazardous energy in workplace	10 Minutes
Types and Causes of Injury	Explain the different types of injury that could occur and the common causes of injury pertaining to hazardous energy.	10 Minutes
Devices and Tags	Understand the different types of energy isolating devices and tags in the workplace.	15 Minutes
Energy control and start-up procedures.	Explain the requirements of energy control procedures and start-up procedures required in the workplace.	10 Minutes
Summary	Summarize the training and answer any questions from the class.	5 Minutes

OESAC Course Submittal – LOTO Hazardous Energy (Continued)

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators.

Regulatory Reference: Oregon OSHA OAR 437-002-0154

Federal OSHA Standard 29 CFR 1910.147

COURSE ROADMAP

UNITED RENTALS EXCAVATION SAFETY TRAINING

Estimated times are based roughly upon 1 minute per slide. Instructors are to refer to their Instructor Guide throughout the duration of the course. Students are to refer to their Student Guide.

Lesson 1 – Introduction (40 minutes)

Lecture (30 minutes)

- 1.1 What Causes Incidents?**
- 1.2 OSHA Programs**
- 1.3 The Competent Person**
- 1.4 Basic Soil Mechanics**
- 1.5 Protective Systems Overview**
- 1.6 The Standard and Appendices**
- 1.7 Summary**

Student Activity: Standards Search (10 minutes)

- OSHA Excavation Standards Booklet

Lesson 2 – Specific Requirements (1 hour)

Lecture (45 minutes)

- 2.1 Surface Encumbrances**
- 2.2 Underground Installations**
- 2.3 Access and Egress**
- 2.4 Exposure to Vehicular Traffic**
- 2.5 Exposure to Falling Loads**
- 2.6 Warning Systems for Mobile Equipment**
- 2.7 Hazardous Atmospheres**
- 2.8 Water Accumulation**
- 2.9 Stability of Adjacent Structures**
- 2.10 Protection from Loose Rock or Soil**
- 2.11 Inspections**
- 2.12 Fall Protection**
- 2.13 Summary**

Student Activity: Hazard Hunt Simulation (15 minutes)

- Daily Excavation Inspection Checklist

Lesson 3 – Soil Classification (1 hour 20 minutes)

Lecture (45 minutes)



3.1 Protective System Selection

3.2 Soil Categories

3.3 Soil Properties

3.4 Testing Requirements

3.5 Visual Tests

3.6 Manual Tests

3.7 Soil Classification

3.8 Summary

Student Activity: Soil Analysis Simulation (35 minutes)

- Soil Classification Checklist

Lesson 4 – Overview and Requirements of Protective Systems (1 hour)

Lecture (45 minutes)

4.1 Protective Systems Overview

4.2 Sloping and Benching

4.3 Support, Shield, and Other Protective Systems

4.4 Selection of Protective Systems

4.5 Summary

Student Activity: Calculating Trench Dimensions (15 minutes)

- Slope Calculator

Lesson 5 – Manufactured Protective Systems (45 minutes)

Lecture (30 minutes)

5.1 Overview

5.2 Anatomy of Manufacturer's Tabulated Data

5.3 Shield Systems

5.4 Shoring Systems

5.5 Choosing Between Systems

5.6 Inspections

5.7 Systems with and without Manufacturer's Tabulated Data

5.8 Summary

Student Activity: Protective System Inspection Scenarios (15 minutes)

- Shield, MAPS, and Shore Tabulated Data Sets

Lesson 6 – Conclusion (35 minutes)

Lecture (25 minutes)

6.1 Pre-Bid, Pre-Job Planning

6.2 Site-Specific Engineering

6.3 Site-Specific Plans



6.4 Ongoing Training

6.5 Summary

Student Activity: Pre-job Walkthrough Scenarios (10 minutes)

- Pre-job Excavation Checklist
- Trench Safety Takeaways Trifold Brochure



OESAC Course Submittal – Confined Space Entry General Awareness

Course Overview

This course provides the general knowledge of confined space entry requirements for public works employees. The class trains water and wastewater workers to safely work within or around permit required confined spaces and meeting the OSHA requirements of 29 CFR 1910.146 (permit required confined spaces).

Learning Objectives

- Definitions and Standards
- Confined space permits
- Confined space assigned duties and responsibilities (Entrant, Attendant, Entry Supervisor).
- Understand potential hazards and mitigation with a confined space.
- Understand atmospheric testing, types of multi-gas detectors, and requirements.
- Understanding of confined space equipment essentials.
- Understanding of confined space rescue requirements.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	Definitions confined space program, permit required, non-permit required, OSHA Standards	5 Minutes
Confined Space Permits	Overview of permit process and retainment	5 Minutes
Assigned Duties	Describe responsibilities of entrant, attendant, and entry supervisor.	10 Minutes
Hazard Identification	Overview of potential hazards and mitigation	10 Minutes
Atmospheric Monitoring	Understand atmospheric monitoring of spaces, oxygen concentration, sampling devices	10 Minutes
Equipment	Understand the required equipment for safe confined space operations	10 Minutes
Rescue Requirements	Understand the rescue requirements and difference in rescue types.	5 Minutes
Key Takeaways	Review of confined space program requirements.	5 minutes

Course Duration: 1 Hour

OESAC Course Submittal – Confined Space Entry General Awareness (Continued)

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators.

Regulatory Reference: Oregon OSHA OAR 437-002-0146

Federal OSHA Standard 29 CFR 1910.146

OESAC Course Submittal- Working in Extreme Weather and Wildfire Smoke Exposure

Course Overview

Workers who are exposed to extreme heat or work in hot environments may be at risk of heat stress. Exposure to extreme heat can result in occupational illnesses and injuries. Heat stress can result in heat stroke, heat exhaustion, heat cramps, or heat rashes. Heat can also increase the risk of injuries in workers as it may result in sweaty palms, fogged-up safety glasses, and dizziness.

Workers can also be exposed to wildfire smoke during the fire seasons. This course will help water and wastewater operators understand the measurements of air quality and protection measures required at certain AQI levels. Operators will have knowledge in the symptoms of wildfire smoke exposure and the impacts to health. Operators will understand respiratory protection requirements set forth by Oregon OSHA.

Learning Objectives

- Understand the history of the heat illness standard.
- Understand the signs, symptoms, and first aid measures associated with heat stroke, heat exhaustion, rhabdomyolysis, heat syncope, and heat cramps.
- Knowledge of preventative measures with heat illness.
- Understand heat index readings.
- Understand wildfire smoke exposure and Oregon OSHA rule.
- Understand wildfire smoke particulate matter and AQI readings.
- Knowledge of signs, symptoms, and health effects from smoke exposure.
- Understand requirements of respiratory protection.
- Understanding of control methods to prevent exposure.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	Discuss the objectives of the class.	5 Minutes
History of Heat Illness Standard	Discuss the history of the standard and why Oregon OSHA determined the standard was necessary.	5 Minutes
Heat Illness Conditions	Discuss the various types of heat illness conditions, symptoms, and first aid measures.	5 Minutes
Heat Illness Prevention	Discuss the requirements of heat illness prevention.	10 Minutes
Heat Index Monitoring	Discuss the definition of heat index and how heat index must be monitored.	5 Minutes
Wildfire Smoke Exposure and Standard	Discuss definition of wildfire smoke exposure and Oregon Wildfire Smoke Rule.	5 minutes
Air Quality Index	Discuss the Air quality index, how its read, and what resources to utilize. Also discuss the preventative measure criteria chart.	5 Minutes

Wildfire Smoke Exposure Symptoms and Health effects	Discuss the symptoms of exposure and health impacts to personnel.	5 Minutes
Preventative Measures of Smoke Exposure	Discuss preventative measures such as controls and respiratory protection.	10 Minutes
Summary	Summarize the training and answer classroom questions.	5 Minutes

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators

Regulatory Reference: Oregon OAR 437-002-0156 Heat Illness Prevention

Oregon OAR 437-002-1081 Protection from Wildfire Smoke

OESAC Course Submittal- Personal Protective Equipment (PPE)

Course Overview

This course provides the general knowledge of Personal Protective Equipment (PPE) within the workplace. Water and wastewater operators will understand the OSHA requirements of PPE. Water and wastewater operators will be able to understand the hierarchy of controls. Operators will understand the different types of PPE that are utilized in the water and wastewater industry. Operators will understand the responsibilities of the employee and the employer.

Learning Objectives

- Understand the OSHA hierarchy of controls and PPE last line of defense.
- Understand the various types of PPE utilized by operators and their classes.
- Knowledge of training requirements for operators.
- Understand the responsibilities of the employee and the employer.
- Knowledge of the OSHA standards and their requirements.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	Discuss the objectives of the class and the importance of PPE training.	5 Minutes
Hierarchy of Controls	Discuss the hierarchy of controls, their meanings, and PPE defense.	5 Minutes
PPE Types and Classes	Discuss the various types of PPE utilized and their classes. Head protection, eye and face protection, respiratory protection, ear protection, hand protection, foot protection, body protection	30 Minutes
Training Requirements and Responsibilities	Overview of the training requirements. Discuss the responsibilities of the employees and the employers in regard to PPE.	5 Minutes
OSHA Standards and Requirements	Discuss the responsibilities of the employees and the employers in regard to PPE.	10 Minutes
Summary	Summarize the training and answer questions from any students.	5 minutes

OESAC Course Submittal- Personal Protective Equipment (PPE) (Continued)

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators

Regulatory Reference: Federal OSHA 29 CFR 1910.132 General Requirements PPE

Federal OSHA 29 CFR 1910.134 Respiratory Protection

Oregon OAR 437-002-0134 Personal Protective Equipment

OESAC Course Submittal- Machine Guarding

Course Overview

This course provides the general knowledge of machine guarding within the workplace. Water and wastewater operators will understand the requirements of adequate machine guarding in the shops, water plants, waste water plants, and equipment utilized by operators. Water and wastewater operators will be able to identify machine guarding hazards, implement adequate guarding in the workplace, and identify the hazardous machine components. The operators will be able to interpret the OSHA machine guarding standard as it applies to our water and wastewater operators.

Learning Objectives

- Interpret the OSHA standards and understand the requirements necessary.
- Understand the causes of machine incidents and why machines have missing guards.
- Understand the machine components and the motions that create hazard.
- Understand the protection, preventative measures, and methods to machine guarding.
- Knowledge of the responsibilities of employees and employers

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction and Standards	Discuss the objectives of the class and why adequate machine guarding is required. Discuss the OSHA requirements.	10 Minutes
Causes of Injury	Discuss the causes, sources, and activities that lead to injury	10 Minutes
Machine Components and Motions	Discuss the various components of machines that require guarding and the motions of energy these components create.	10 Minutes
Protection, Prevention, Methods	Discuss the protection and prevention methods required in the industry.	20 Minutes
Responsibilities	Discuss the responsibilities of the employees and the employers in regard to machine guarding.	5 Minutes
Summary	Summarize the training and answer questions from any students.	5 minutes

OESAC Course Submittal- Machine Guarding (Continued)

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators

Regulatory Reference: Federal OSHA 29 CFR 1910.212 General Requirements for All Machines

Federal OSHA 29 CFR 1910.219 Mechanical Power-Transmission Apparatus

OESAC Course Submittal – Ladder Safety

Course Overview

This course provides the general knowledge of ladder safety requirements for public works water and wastewater employees. Students will understand the OSHA standards and requirements applied to ladder safety in the workplace. The class trains water and wastewater workers the importance of ladder safety, ladder use requirements, types of ladders in the industry, and selecting the correct ladder for use. This course will provide water and wastewater operators the knowledge of common hazards associated with ladders. This course will also provide requirements for ladder inspections and placing a ladder in out of service status.

Learning Objectives

- Overview of why ladder safety is important to water and wastewater operators.
- Identify the types of ladders within the workplace and selecting the correct ladder for use.
- Knowledge of performing a pre-use ladder inspection and placing ladders in out of service status.
- Proper ladder set-up and use.
- Common hazards associated with ladder use in the workplace.
- Understanding the OSHA standards and requirements of ladder use.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	Why Ladder Safety is important	5 Minutes
Types and Selection of Ladders	Overview of general types of ladders within workplace and what ladders to utilize	10 Minutes
Preventative maintenance and Inspection	Inspecting for defects, cleaning, storage, and placing ladders out of service.	10 Minutes
Ladder set-up and safe use	Understand the classification and different classes to chemicals.	10 Minutes
Common Hazards	Understand the common hazards with ladder use in the workplace.	10 Minutes
Best practices and standards	Best practices for utilizing a ladder and the required OSHA standards for ladder use.	10 Minutes
Review and Questions	Review of Ladder safety and use, Questions	5 Minutes

OESAC Course Submittal – Ladder Safety (Continued)

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators.

Regulatory Reference: Oregon OSHA OAR 437-002-0026 and 437-002-2307 Portable Ladders

Federal OSHA Standard 29 CFR 1910.23

OESAC Course Submittal – Hazard Communication (GHS)

Course Overview

This course provides the general knowledge of Hazard Communication (GHS) requirements for public works water and wastewater employees. The class trains water and wastewater workers the globally harmonized system pertaining to management of chemicals, chemical hazard classes, chemical pictograms, and understanding of the safety data sheet (SDS). Employees will understand the proper labeling of chemicals. This course will help the public works employees understand the different elements of an SDS and how to read an SDS.

Learning Objectives

- Overview of OSHA standard and the history of Globally Harmonized System (GHS)
- Understand the benefits of the GHS for employees.
- Understand the classifications and different classes within the GHS.
- Understand the labeling requirements within GHS pertaining to chemicals.
- Knowledge of the different symbols and pictograms regarding chemical management.
- Understanding the current standard of SDS versus the old standard of MSDS.
- Knowledge of SDS elements and how to understand an SDS.

Course Outline with Time Allocations

Section	Description	Time Allocation
Introduction	OSHA Standards and GHS definition/history	10 Minutes
Benefits of GHS	Overview of the benefits to employees	5 Minutes
GHS Classification and Classes	Understand the classification and different classes to chemicals.	5 Minutes
Chemical Labeling Requirements	Understand the labeling requirements of chemicals in the workplace.	5 Minutes
Chemical Symbols and Pictograms	Understand the different symbols and pictograms as well as their meaning	10 Minutes
Old Standard VS New Standard	Understand the differences between the old standard of MSDS versus the new standard of SDS.	5 Minutes
Elements of Safety Data Sheet	Understand all 16 elements of the SDS and how to read the SDS.	15 Minutes
Key Takeaways	Review of Hazard Communication within the workplace.	5 minutes

OESAC Course Submittal – Hazard Communication (GHS) (Continued)

Course Duration: 1 Hour

Format: Lecture, Discussion

Intended Audience: This course is intended for water and wastewater operators.

Regulatory Reference: Oregon OSHA OAR 437-002-0377 Additional Oregon Rules for HAZCOM.

Federal OSHA Standard 29 CFR 1910.1200