

Contractor Safety Orientation



Introduction

- ▶ Safety Requirements
- ▶ Construction Safety and Health Manual
- ▶ Protects You and Others from Injury
- ▶ Specific Issues at Wastewater Treatment Facilities

Emergencies

- ▶ Medical, Fire, Injury
- ▶ Security 973-817-5858
- ▶ Do **Not** Call 911
- ▶ Nature of Incident, Location, Who You Work for, Your Name and #
- ▶ Security will Dispatch Response
- ▶ Registered Nurse and EMTs on Staff

Personal Protective Equipment

- ▶ Minimum PPE
- ▶ Safety Shoes
- ▶ Hard Hat
- ▶ Safety Glasses
- ▶ Additional PPE as Needed And Directed by Safety and Security
- ▶ Example: Working on Energized Electrical Circuits (NFPA 70E)
- ▶ Example: High Visibility near Roadways Interior and Exterior

Fall Protection

- ▶ Use Appropriate Fall Protection Equipment as Needed (6 Feet)
- ▶ Guardrails and Mid-Rails are Preferred
- ▶ PPE
- ▶ Full Body Harness with Shock Absorbing Lanyard
- ▶ Anchorage Point
- ▶ Capable of Supporting 5,000 lbs. Per Individual Attached

Lockout

- ▶ All Machinery and Electrical Equipment Must Be Locked Out
- ▶ Each Employee Must Install Own Lock and Tag
- ▶ Lockout Coordinated with PVSC Personnel
- ▶ PVSC will Isolate Equipment
- ▶ Contractors will Apply Locks and Tags
- ▶ Fill Out Contractor Compliance Form

Confined Spaces

- ▶ Meet 1910.146
- ▶ Meet Subpart AA Confined Spaces in Construction 1926.1201-1213
- ▶ Permits, Air Monitoring, Ventilation, Harnesses and Lifelines
- ▶ Sewers, Tanks, Vessels, Silos, Storage Bins, Hoppers, Vaults and Pits
- ▶ Guard Spaces Immediately
- ▶ Continuous Monitoring

Confined Spaces

- ▶ Hydrogen Sulfide-Flammable, Toxic, Rotten Egg Odor
- ▶ Oxygen Deficiency-19.5% is Minimum Allowed for Entry
- ▶ Combustible Gasses-Flammable and Explosive
- ▶ Carbon Monoxide-Odorless, Colorless, Deadly

Ladders

- ▶ Inspect Prior to Use
- ▶ Competent Person-Inspect Periodically and After Any Incident
- ▶ Proper Ladder For Job
- ▶ Example: "A" Frames Should **Not** be Used as Straight
- ▶ Hard/Level Surfaces
- ▶ Do Not Stand on 2nd Rung from Top or Above
- ▶ Belt Buckle in Between Rails
- ▶ Three Points of Contact
- ▶ Extension Ladders Tied Off and Extend 36" Above Level Accessed

Hot Work

- ▶ Welding, Brazing, Grinding
- ▶ Creating Heat or Spark
- ▶ Permits
- ▶ Flammable Materials Removed from Area
- ▶ Air Monitoring for Combustible Gasses, Before and During
- ▶ Fire Watch Maintained for 30 Minutes After Work Completed
- ▶ Comply with NFPA 51B

Trenches and Excavations

- ▶ Competent Person Inspects Prior to Work Each Day
- ▶ Spoils Kept at Least 2 Feet Away
- ▶ Soil Types Evaluated by Competent Person
- ▶ Trench/Excavation Must be Properly Shored, Sloped or Benched
- ▶ Air Monitoring (Confined Space)

Hazard Communication

- ▶ Safety Data Sheets (SDS) for Hazardous Chemicals
- ▶ Proper Labeling
- ▶ Meet the Global Harmonization System (GHS)
- ▶ Oxidizers and Flammables Shall be Stored Separately

Housekeeping

- ▶ All Sites Kept Clean and Orderly
- ▶ Slips, Trips and Falls Due to Messy Sites
- ▶ Materials Stored in the Staging Area Per Contract

Dry Cutting of Masonry Materials

- ▶ No Dry Cutting Shall be Permitted
- ▶ Includes;
- ▶ Grinding
- ▶ Sawing
- ▶ Jack Hammering
- ▶ State Law and Federal Regulation Prohibit
- ▶ Health Hazard

Security/Parking Permits

- ▶ Government Issued Identification
- ▶ Each Driver Onsite, Drivers License
- ▶ Each Vehicle Onsite, Valid Registration and Insurance Card
- ▶ Parking Permits For Each Individual/Vehicle on Site
- ▶ Form Filled Out, Submitted to Security
- ▶ Permit Issued, Placed On Dashboard
- ▶ Enter Through Gate #14
- ▶ Vehicles to be Parked on Witco Site

Gate #14 (Witco Site)



Video

- ▶ Safety Bob's Construction Safety Orientation

Conclusion

- ▶ Refer to Construction Safety and Health Manual
- ▶ Covers all Safety Requirements
- ▶ Any Questions?
- ▶ Contact Project Engineer, Safety Officer, Supervisors
- ▶ Safety and Security Officers have Stop Work Authority
- ▶ If Any Policy is Violated Work will **STOP**
- ▶ Safety and Security Officers Investigate All Incidents
- ▶ Cooperation with an Investigation is Mandatory