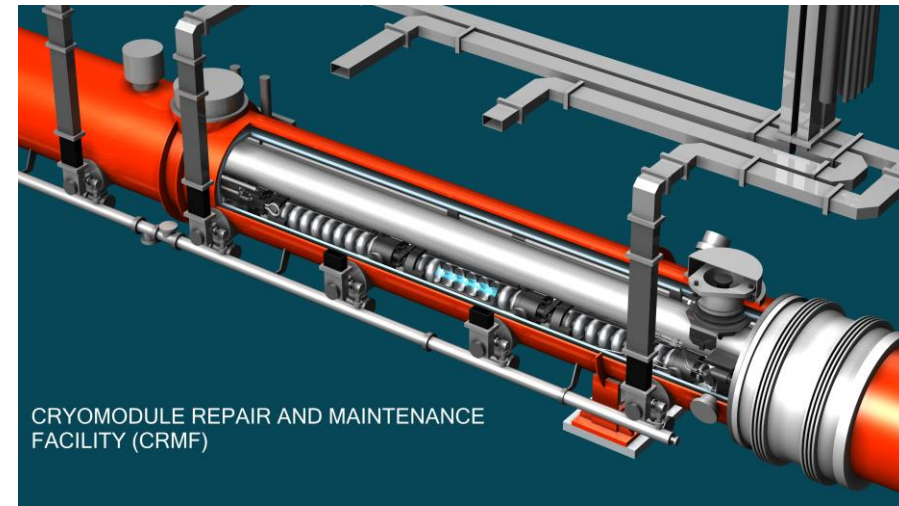


Safety and Work Planning Control

CRMF Industry Day

Kathleen Ratcliffe | ES&H Manager

30 January 2025

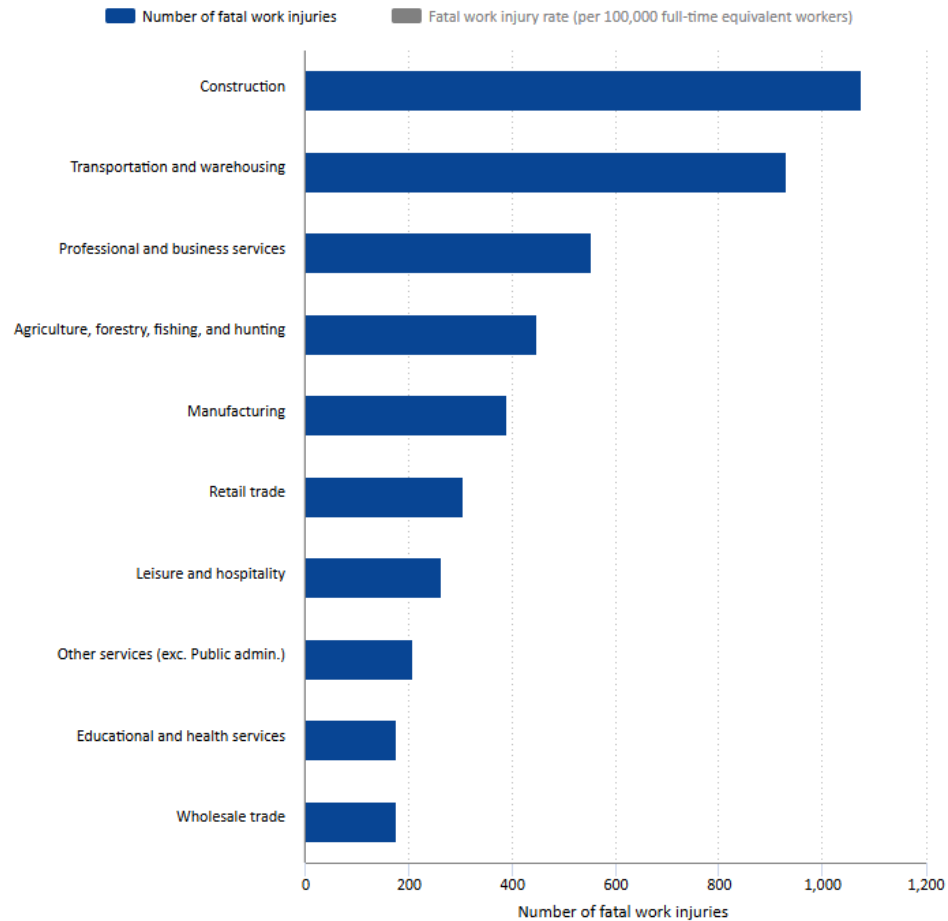


Overview

- Working at SLAC
- Work Planning and Control
- COHE
- Environmental Protection

Working at SLAC

Number and rate of fatal work injuries, by private industry sector, 2023



Hover over chart to view data. Click legend to change data display.
Source: U.S. Bureau of Labor Statistics.



[Show table](#)

Zero Accidents Zero Injuries

- ✓ Is Possible.
- ✓ Is Expected.

Integrated Safety Management

SLAC ES&H Manual

- Defines general policy and responsibilities
- Flows down requirements and defines roles and responsibilities
- Establishes expectations that need to be followed to ensure Project ES&H risks are addressed, including sub-contracted work on-site

Contractor s

- Construction Safety Requirements Manual SLAC-I-730-0A23L-003-R004
- Chapter 42 Subcontractor Safety
- General Contractor develop and maintain Site Specific Safety Plan (SSSP)

Chapter 42 – Subcontractor Safety

Work Planning and Control (WPC)

- WPC is the use of formal, documented processes for identifying and mitigating risks when planning, authorizing, releasing, and performing work
- Supports the execution of SLAC's mission and applies to all activity level work and all persons, including SLAC employees, subcontractors, and users
- All work must first be planned, then authorized, and finally released
 - Work is authorized by Subcontractor (GC) Supervisor
 - Work is released by SLAC Construction Manager
- Project Construction Manager (CM) with support of ES&H Field Safety engage SLAC Subject Matter Experts (SMEs) to review work plans throughout the various phases of the project
 - CM's also review and coordinate SLAC specific requirements for High Hazard Work (i.e., Elevated Surface Work Plans, Lift Plans, Excavation Permits, Electrical Work Plans, etc.)



...if it's not planned, we don't do it...

Stop Activity due to Imminent Safety-Based Risk

- Everyone has the authority and responsibility to stop any activity if there is a reasonable belief that a task poses an imminent risk of death or serious injury
- Only Procurement can issue a formal Stop Work letter to Sub-Contractor



Work Planning and Control: COHE (high level)

- **10 CFR § 851.23 Safety and Health Standards:**
 - Contractors must comply with the following safety and health standards that are applicable to the hazards at their covered workplace:
 - 29 CFR 1910, Occupational Safety and Health Standards
 - NFPA 70, National Electrical Code
 - NFPA 70E, Electrical Safety in the Workplace
- **We do not work on live electrical equipment**
- **Temporary Power:**
 - Shall be installed per NEC Article 590. Installation plans for temporary trailers, including temporary power hookup, require BIO review. Physical work requires BIO inspection prior to energization
- **ONLY SLAC personnel may operate energized equipment (breakers, valves, etc.)**



Environmental Protection

- **Stormwater**
 - SA project-specific SWPPP and construction monitoring plan, developed by a qualified SWPPP developer (QSD) and implemented by a qualified SWPPP practitioner (QSP)
 - Prevent pollutants from entering stormwater
 - Protect storm drains
- **Waste Minimization and Pollution Prevention**
 - Reduce, Reuse, Recycle
- **Approval and Handling of Materials**
 - Prior to receipt of materials on site, submit all material safety data sheets or safety data sheets (MSDS/SDSs) and hazardous material inventory or all chemicals, oils, solvents, paints, epoxies, adhesives, petrochemical, or similar materials to be used on-site to the SLAC Air Quality Program Manager for approval.

Product Assurance & Safety

- **Following safety documents are required prior to construction**
 - Work authorization approval
 - Building Inspection Office (BIO) approval
 - Penetration Permit
 - Hot Work Permit
 - Elevated Surface Work Plan
 - Pressure Test Plan
 - Traffic Control Plan
 - Hoisting & Rigging Plan
 - Lock Out & Tag Out (LOTO) Plan
 - Silica Controls



All permits, procedures and controls are in place prior to commencing work

Summary

- Safety at SLAC is a top priority
- If its not planned, we don't do it
- We look forward to working with you

Zero Incidents – Zero Accidents Is Possible



Thank you