

UPSTREAM OIL AND GAS HAZARD INFORMATION

In 2016, there were **63 fatal injuries** and **5,200 estimated nonfatal injuries and illnesses** among workers in the oil and gas extraction, oil and gas well drilling, and oil and gas operations support industries (U.S. Bureau of Labor Statistics). Finding and fixing hazards ensures workers go home safe and sound every day. OSHA and industry provide many resources to help find and fix potential hazards in your company.

CORE ELEMENTS OF SAFETY AND HEALTH PROGRAMS

1. Management Leadership



2. Worker Participation



3. Finding & Fixing Hazards



MOST COMMON OSHA CITATIONS

- General Duty Clause (5a1) (e.g., auxiliary escape, secured pressurized lines)
- Ladders (1910.23(c)(1))
- Grounding (1910.304(g)(5))
- Hazard Communication (1910.1200)
- Personal Protective Equipment (1910.132(a))
- Respiratory Protection (1910.134(d)(1)(ii))
- Medical Services and First Aid (1910.151(c))

Source: OSHA Information System (OIS), 2011-2018, NAICS 211, 213111, 213112

MOST COMMON FATAL EVENTS

Fatal Events

- Transportation Incidents
- Struck by Object or Caught in Equipment/ Material
- Fires and Explosions
- Exposure to Electric Current or Harmful Substances
- Trips, Slips, and Falls

Source: U.S. Bureau of Labor Statistics, 2011-2016, NAICS 211, 213111, 213112

RESOURCES ON FIXING HAZARDS

- [OSHA's Oil and Gas Extraction Safety and Health Topics Page](#). Provides regulatory and enforcement information, hazard identification, controls, best practices, and other resources.
- [National Service, Transmission, Exploration & Production Safety \(STEPS\) Network](#). Partnership of operators, contractors, trade associations, educators, and government whose mission is to achieve incident free operations in the exploration and production of oil and gas.
- [SafeLand USA](#). A volunteer organization comprising major and independent operating companies, contractors, industry associations, and educators that promotes standardized safety orientation for workers in the US Onshore E&P Industry.
- [Recommended Practices for Safety and Health Programs](#). Presents a step-by-step approach to implement a safety and health program.
- [Oil and Gas Industry Standards for Personal Safety and Process Safety](#). The industry provides best practices to help the oil and natural gas industry safely, efficiently, and responsibly produce energy.
- Hazard Alerts
 - [Silica exposure during hydraulic fracturing](#)
 - Manual tank gauging, hydrocarbon exposure ([NIOSH-OSHA](#)) ([National STEPS alliance](#))
 - [Hot work on oilfield tanks, tankers, and other related equipment](#)
 - [Ignition of vapors by mobile engines and auxiliary motors](#)
 - [Limitations of monitors](#)
 - Preventing fatigued driving at work ([for workers](#)) ([for employers](#))