

Onshore Oil and Gas Extraction

Safety is a core value for our industry.

Our industry works tirelessly to improve safety in the workplace through ongoing research, standards development, training, information transfer, and advocacy. Our efforts are paying off, even as the industry creates thousands of new American jobs. According to the latest report, the injury and illness rate for the U.S. oil and natural gas industry fell 41 percent from 2005 to 2014, and it remains well below the national average for all private sectors. **Still, our goal is zero incidents and we remain committed to continuous improvement.**



AMERICAN PETROLEUM INSTITUTE

Learn more at www.api.org

Data

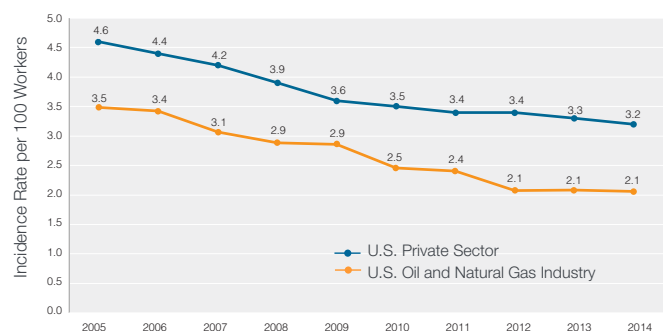
The Oil and Natural Gas Industry's Workplace Safety record consistently improves on the private sector average, reflecting the industry's commitment to safe and healthy working environments.

- In 2014, the rate of job-related nonfatal injuries and illnesses among U.S. Oil and Natural Gas exploration and production workers was **1.8 per** 100 full-time workers compared with **2.0** for the U.S. Mining sector.
- Notably, the U.S. Offshore industry, a segment of the U.S. Oil and Natural Gas Exploration and Production sector had a rate of **0.5** per 100 full-time workers.
- Pipelines are still the **safest way to transport oil** and oil products. The pipeline rate rounds to 0.0 for almost every year, compared to the 2014 rate of **4.8** for the transportation sector as a whole.

Comparison

U.S. Oil and Natural Gas Industry vs. U.S. Private Sector

In 2014, the rate of job-related nonfatal injuries and illnesses for the U.S. oil and natural gas industry was **2.1** per 100 full-time workers, compared to a rate of **3.2** for the entire U.S. private sector.



Our goal is zero incidents.



That's why:

1 API collects safety data to provide a consistent, reliable and accurate industry metric for measuring and tracking safety trends and to promote continuous improvement within the industry. Oil and gas companies use these reports to track their progress and identify areas where safety can be improved.

- The Occupational Injury and Illness report is a benchmarking survey available to participants across the industry, regardless of membership in API.
- The Workplace Injuries and Illnesses Safety report compares up-to-date U.S. Bureau of Labor Statistics (BLS) for the oil and gas sectors and other industries.

2 API's Global Industry Services (GIS) division offers industry-leading training and certification

programs to provide employees and contractors with the skills and knowledge they need to stay safe in the workplace. These programs include everything from tool selection and hot work to trenching and driving safety.

- All of API's WorkSafe programs include a detailed curriculum, training modules, and exams.
- The E&P Onshore Operations Safety Program provides training on key safety issues found at onshore job sites and includes an examination covering the API Onshore Operations Safety Handbook.

3 Since 1924, API has been the leader in developing industry standards that promote reliability and safety in the workplace. The API Standards Program is accredited by the American National Standards Institute (ANSI), the same body that accredits programs at several national laboratories, and our standards are developed by the best and brightest technical experts from government, academia, and industry.

- API has over 650 active standards and technical publications. Over 100 of them have been incorporated into U.S. regulations, and they are the most widely cited standards by international regulators.
- 13 API standards are incorporated into OSHA regulations for workplace safety.
- Onshore Safety Standards from API (9):

RP 49 – Drilling and well service operations involving hydrogen sulfide

RP 54 – Occupational safety for rotary drilling operations and well servicing operations

RP 55 – Gas processing plant operations where hydrogen sulfide is present

RP 67 – Explosives used in oil and gas well operations

RP 68 – Oil and well servicing and workover operations involving hydrogen sulfide

RP 74 – Safe working conditions for personnel engaged in onshore oil and gas production

RP 75L – Safety and environmental management system (SEMS) for onshore operations

RP 76 – Implementation of a contractor safety program and improve the overall safety performance

RP 98 – Oil spill responder personal protective equipment (PPE) control measures

4 API experts collaborate with key stakeholders and OSHA to improve workplace

safety. We work closely with members of the American Industrial Hygiene Association ("AIHA"), the American Conference of Governmental Industrial Hygienists ("ACGIH"), the Society of Petroleum Engineers, the American Society of Safety Engineers and the American Society for Testing and Materials International.

- API and our member companies are active participants in the National Service, Transmission, Explorations and Production Safety ("nSTEPS") Network, founded in 2003 in South Texas by OSHA and industry to reduce injuries and fatalities. We meet regularly to share information, identify best practices, and develop strategies to improve workplace safety. The nSteps initiative now encompasses 22 regional networks.
- API is a proud sponsor of OSHA's Oil and Gas Safety Conference, which seeks to improve safety performance through cooperation, best practices, knowledge sharing, and relationship building.
- API members employ industrial hygiene and safety professionals to prepare site-specific Job Safety Assessments (JSAs) well before work begins. JSAs outline the tasks to be performed, as well as important safety measures (known as controls) for potential risks.