



BOEMRE Compliance: Offshore Safety & Environmental Management System (SEMS)



Reduce Risk. Increase Reliability. Achieve Compliance

It is critical that facilities have effective systems in place to minimize safety and environmental risks. Effective systems must address evaluating and controlling process hazards, managing change, creating and maintaining operating procedures, safely maintaining equipment, investigating accidents, training personnel and having an emergency response and control program. Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) 30 CFR 250 subpart S regulations mandating the need for safety and environmental systems now affect a company's right to do business on the outer continental shelf. Aon Energy Risk Engineering has the experience and expertise to assist companies in implementing effective and compliant safety and environmental management systems. We can easily meet your qualification requirements as a provider of the following services within your Safety & Environmental Management Systems (SEMS) program.

Safety & Environmental Management Systems

Aon Energy Risk Engineering provides the following services to support your SEMS program:

- Development of a Safety and Environmental Management Program for offshore operations and facilities
- Perform a gap analysis of the existing SEMS program
- Facilitation of Process Hazard Analysis
- Development of a Management of Change program
- Auditing Operating Procedures for regulatory requirements
- Mechanical Integrity services including Risk Based Inspection programs
- Development of an Incident Investigation program
- 3rd Party Auditing to meet BOEMRE regulations

Implementing a Safety & Environmental Management System

Implementation of a comprehensive SEMS program will significantly reduce a company's risk. BOEMRE requires a SEMS program to be based on recognized and generally accepted good engineering practice (RAGAGEP), currently recognized as API 75. SEMS programs can be developed for large and small, existing or new manufacturing facilities.

Comprehensive programs can be developed and implemented for all companies working in any aspect of the offshore oil and gas industry such as:

- Production
- Workover
- Drilling
- Construction



Independent 3rd Party Auditors

The 30 CFR 250 subpart S rules are very new, so no company has yet to perform an audit under this program. Aon Energy Risk Engineering has developed SEMS audit protocols and has extensive experience conducting 3rd party audits of safety and environmental management systems (such as OSHA PSM, EPA RMP, API 75) from which the SEMS rules were derived. Our independent role is backed-up by robust internal Business Conduct and Conflict of Interest Policies.

Precise, Practical, Professional

Aon Energy Risk Engineering professionals have extensive safety, risk management, process safety, fire protection, and regulatory management backgrounds. Many of our consultants are licensed Professional Engineers and are recognized as industry leaders worldwide. Several have conducted industry best practice workshops, authored numerous books, including CCPS publications, and played key roles in the implementation of industry standards. Our staff's combined experience culminates in over 200 years in the process industries.

Aon Energy Risk Engineering

Aon Energy Risk Engineering, an Aon company, has consistently been a leader in inherent safety and process safety. Aon Energy Risk Engineering specializes in process safety management, risk assessment, human factors and fire protection to the oil and gas, petrochemical, pharmaceutical, food processing and general process industries. Headquartered in Houston, Texas with several domestic satellite offices, Aon Energy Risk Engineering provides high-quality, cost-effective safety, risk management and asset management services that enable process industry companies to increase efficiency and profitability.

A Global Presence

As a part of Aon Global Risk Consulting, Aon Energy Risk Engineering is able to provide a complete approach to risk management. With more than 2,000 risk professionals in 50 countries worldwide, Aon Global Risk Consulting delivers risk management solutions designed to optimize its clients' risk profiles. Its suite of services encompasses risk consulting; risk control, claims and engineering, and captive management. Aon Global Risk Consulting is dedicated to expanding our integrated solutions to help clients effectively and proactively manage risk in a changing and challenging global market.

About Aon Global Risk Consulting

With more than 2,000 risk professionals in 50 countries worldwide, our suite of risk consulting services encompasses enterprise risk management, actuarial and analytics and risk financing. Our risk control, claims and engineering group delivers property and casualty risk control, claims and engineering services. Our captive management experts, Aon Global Insurance Managers, are widely recognized as the leading captive manager, with operations in over 30 countries.

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