

**COURSE OVERVIEW HE0193**  
**Environmental Management Training**  
**(E-Learning Module)**

**Course Title**

Environmental Management Training  
 (E-Learning Module)

**Course Reference**

HE0193

**Course Format & Compatibility**

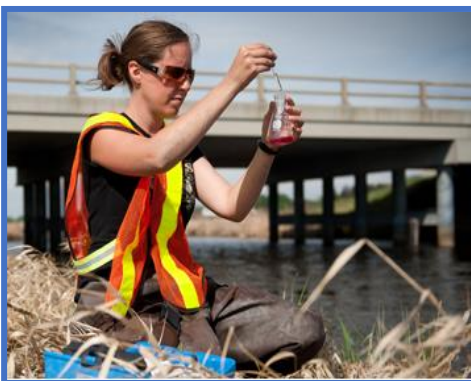
SCORM 1.2. Compatible with IE11, MS-Edge, Google Chrome, Windows, Linux, Unix, Android, IOS, iPadOS, macOS, iPhone, iPad & HarmonyOS (Huawei)

**Course Duration**

30 online contact hours  
 (3.0 CEUs/30 PDHs)



**Course Description**



The environmental best practices course combines technical environmental engineering fundamentals with more management-based subjects such as environmental management, regulation, law, economics, impact assessment and sustainable development and reporting.

This course is designed to provide participants with a detailed and up-to-date overview of environmental management. It covers the environment management and control; focusing on decision-making; the pollution risks, natural problems and possible solutions including the top environmental problems and their impact on global business; the importance of environment and ecosystem; the air quality and disaster control; and the biodiversity including the processes and flows of energy through the ecosystem.

Further, the course will also discuss the threat of environmental degradation; the international codes & standards; the key environmental issues in the oil and gas industry and what we can learn from past accidents/disasters; the environmental control and environmental management systems; the various ways to minimize environmental impacts; the hazardous waste management and pollution control; the key environmental concerns; and the four system conditions.



During this interactive course, participants will learn the basic sustainability principles, hazard materials classes, pollution causes and toxicology; the causes, effects and solutions of environmental pollution; the toxicology, material safety data sheets (MSDS) and emergency management; the oil spill management, safety measures/warnings, personal protection, precautions, emergency preparedness and response; monitoring and reporting environmental performance in industry; the portable monitoring equipment; and the environmental auditing, internal audit checking, environmental reporting, mandatory greenhouse gas reporting, mandatory environmental, social and ethical reporting for pension funds and sustainability reporting for public bodies.

### **Course Objectives**

After completing the course, the employee will:-

- Apply and gain a comprehensive knowledge on environmental management
- Understand what are the pollution risks, natural problems and possible solutions
- Understand what is the environment, its importance and why it should be protected
- Understand what are the key environmental issues in the oil and gas industry
- Understand what are the environmental incidents/disasters from the past and lessons we can learn from
- Understand and have practiced using environmental control and environmental management systems
- Be able to identify the ways to minimize environmental impacts
- Be able to monitor and report environmental performance in industry
- Apply environment management and control as well as focus on decision-making
- Identify pollution risks, natural problems and possible solutions including the top environmental problems and their impact on global business
- Discuss the importance of environment and ecosystem as well as carryout air quality and disaster control
- Describe biodiversity including the processes and flows of energy through the ecosystem
- Recognize the threat of environmental degradation and discuss the international codes & standards
- Explain the key environmental issues in the oil and gas industry and what we can learn from past accidents/disasters
- Apply environmental control and environmental management systems
- Implement various ways to minimize environmental impacts
- Employ hazardous waste management and pollution control
- Identify the key environmental concerns and the four system conditions

- Discuss basic sustainability principles, hazard materials classes, pollution causes and toxicology
- Recognize the causes, effects and solutions of environmental pollution
- Determine toxicology, material safety data sheets (MSDS) and emergency management
- Apply oil spill management, safety measures/warnings, personal protection, precautions, emergency preparedness and response
- Monitor and report environmental performance in industry and identify portable monitoring equipment
- Carryout environmental auditing, internal audit checking, environmental reporting, mandatory greenhouse gas reporting, mandatory environmental, social and ethical reporting for pension funds and sustainability reporting for public bodies

### **Who Should Attend**

This course provides an overview of all significant aspects and considerations of environmental management for managers, health and safety section heads, senior environmental practitioners, HSE professionals, marine operations teams, ecological scientists, engineers, superintendents, supervisors, foremen and other personnel.

### **Training Methodology**

This Trainee-centered course includes the following training methodologies:-

- Talking presentation Slides (ppt with audio)
- Simulation & Animation
- Exercises
- Videos
- Case Studies
- Gamification (learning through games)
- Quizzes, Pre-test & Post-test


Every section/module of the course ends up with a Quiz which must be passed by the trainee in order to move to the next section/module. A Post-test at the end of the course must be passed in order to get the online accredited certificate.

### **Course Certificate(s)**

Internationally recognized certificates will be issued to all participants of the course.

**Certificate Accreditations**

Certificates are accredited by the following international accreditation organizations: -


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USA International Association for Continuing Education and Training (IACET)

Haward Technology is an Authorized Training Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 1-2013 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 1-2013 Standard**.

Haward Technology’s courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant’s involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant’s CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

**Course Fee**

As per proposal



## Course Contents

- Environmental Management Training
- Introduction to Environment Management and Control
- A Focus on Decision-Making
- Influencing the Course of Development
- Case study #1
- Quiz #1
- Pollution Risks, Natural Problems and Possible Solutions
- Top Environmental Problems and their Impact on Global Business
- Pollution
- Ozone
- Carbon Monoxide
- Nitrogen Dioxide
- Particulate Matter
- Sulfur Dioxide
- Lead
- Waste Disposal
- Climate Change
- Drought/Inadequate Access to Water
- Partnering for the Future
- Case Study #2
- Quiz #2
- What is the Environment, its Importance & Why it should be Protected?
- Ecosystem Importance
- Food Chain
- Natural Resources and Products Derived from Them
- Water
- Medicines
- Clothing
- Wood
- Biofuels
- Fossil Fuels

- Air Quality and Disaster Control
- Dusty city
- Quality of Air
- Temperature Moderation
- Prevention of Disasters
- Biodiversity
- School of Fish
- What Biodiversity Affects
- Processes and Flows of Energy Through the Ecosystem
- Natural Beauty
- Threat of Environmental Degradation
- Climate Change
- View of Contrasting Landscape
- Pollution
- Earth Is Humanity's Only Home
- Case Study #3
- Quiz #3
- International Codes & Standards
- International Classification for Standards
- ISO 14001 Standard
- Case Study #4
- Quiz #4
- The Key Environmental Issues in the Oil and Gas Industry and What We can Learn from Past Accidents/Disasters
- What are the Environmental Incidents/Disasters from the Past and Lessons We can Learn from
- Disasters and Learning
- Methodology
- Case Study #5
- Quiz #5
- Environmental Control & Environmental Management Systems
- Ways to Minimize Environmental Impacts
- Case Study #6
- Quiz #6



- Hazardous Waste Management & Pollution Control
- Key Environmental Concerns
- The Four System Conditions
- Basic Sustainability Principles
- Hazard Materials Classes
- How Chemicals Enter the Body
- Case Study #7
- Quiz #7
- Pollution Causes & Toxicology
- What is Environmental Pollution?
- Causes of Environmental Pollution
- Pollution from Cars, Trucks, and Other Vehicles
- Fossil Fuel Emissions from Power Plants
- Carbon Dioxide
- Water Pollution is a Major Issue
- Effects of Environmental Pollution
- Solutions to Environmental Pollution
- Toxicology
- Chemical Toxicity
- Chronic Toxicity and Acute Toxicity
- Chemical Exposure Limits
- Toxic Chemicals
- Case Study #8
- Quiz #8
- Material Safety Data Sheets (MSDS) and Emergency Management
- MSDS: The “Official” 16 Headings
- Oil Spill Management
- Safety Measures/Warnings
- Personal Protection
- Precautions
- Emergency Preparedness & Response
- Case Study #9
- Quiz #9



- Monitor and Report Environmental Performance in Industry
- Portable Monitoring Equipment
- The CAMEO Software
- What is the CAMEO Software Suite?
- Why was CAMEO Created?
- What is in CAMEO?
- Comparing CAMEO Chemicals Formats
- How CAMEO Chemicals Works
- AERSCREEN Model
- Environmental Auditing
- Checking - Internal Audit
- Environmental Reporting
- General Kinds of Reports
- Mandatory Environmental Reporting
- The Directors' Report
- The Strategic Report
- Mandatory Greenhouse Gas Reporting
- Mandatory Environmental, Social and Ethical Reporting for Pension Funds
- Sustainability Reporting for Public Bodies
- Case Study #10
- Quiz #10