Training - Unconventional Resources: Environmental Management

UCENV-EN-P | Face-to-face only | 5 days

This course provides a thorough and applied knowledge of the environmental stakes of an unconventional Oil & Gas development project, including key technical requirements and regulations and public perception. This training is focused on key straightforward arguments that resonate with the public

Level

Skilled

Public

Managers, engineers and operations staff involved in the management of environmental issues of unconventional development

Objectives

Attendees will be able to implement the following skills:

- Describe the global prevailing context for unconventional developments for environmental management at worldwide level
- Identify key issues and impacts of specific shale gas activities (exploration, fracking, production)
- Identify key technical requirements and regulations in USA and Europe
- Describe and discuss specific contents of a shale gas Environmental Impact Assessment, mitigation (treatments), and how to develop communication (public participation)

Pedagogical & technical resources

- Highly interactive training by an industry-specialist lecturer involved in several shale gas projects
- Numerous case studies, applications and illustrations and teamwork sessions
- Key Internet references and videos (case studies)

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsable

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

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THE STAKES: A CONTROVERSIAL ENERGY — 0.25 day

Public perception and the industry point of view.

TECHNOLOGIES: KEY ENVIRONMENTAL ISSUES — 0.5 day

Fracking and water.
Hazardous chemicals; proppant.
Waste (e.g. sans, NORM & metals).
Air emissions.
Induced seismicity.

ENVIRONMENTAL REGULATION & IMPACT ASSESSMENT — 1 day

Environmental regulation overview.
Environmental impact assessment (what is specific: e.g. induced seismicity).
Mitigation and emissions treatment (aquifer protection, gas capture...).

WATER MANAGEMENT — 1 day

Introduction to water management.
Produced water and water flowback. Monitoring.
Technologies of water treatment. Selection and monitoring.

SOCIO-ECONOMIC IMPACT & SUSTAINABLE DEVELOPMENT — 1 day

CASE STUDIES (SOUTH AFRICA, DENMARK, USA...) — 0.75 day

Lessons learned.

THE INTERNATIONAL ENERGY AGENCY APPROACH (THE GOLDEN RULES) & INTERNATIONAL OIL & GAS PRODUCERS ASSOCIATION — 0.5 day

Proactive measures.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.
Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com

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