TECHNICAL EDUCATION ACADEMY

Operational Risk Management Center

COURSE PROGRAMME

000524

HSSE061 - Management of Fugitive Emissions

The goal of this course is to educate participants on the fundamentals of managing and reducing fugitive emissions in industrial processes to minimize environmental impact and comply with legislation and regulations.



Learn from the Best in the Business!

Course overview

Duration: 3 days / 24 hours · Intermediate level

Why take this course

The goal of this course is to educate participants on the fundamentals of managing and reducing fugitive emissions in industrial processes to minimize environmental impact and comply with legislation and regulations.

The course covers both theoretical foundations and practical aspects of emissions management, enabling students to develop emission reduction strategies and tackle specific challenges in this field.

Participants will learn modern methods and technologies for managing fugitive emissions, develop specific strategies to reduce environmental impact, and improve the ecological sustainability of oil and gas activities.

Who it is for and how it helps

• Environmental Professionals: Environmentalists, emissions management analysts, environmental engineers, and regulatory compliance specialists.

• Managers and Leaders: Those responsible for production processes and compliance with emission standards will benefit from integrating emissions management into strategic company management.

• Health and Safety Specialists: Professionals can use knowledge from this course to ensure safe and environmentally sustainable working conditions.

• Consultants and Auditors: Specializing in environmental protection and regulatory compliance, this course can enhance their expertise.

• Entrepreneurs and Business Owners: To understand how to comply with environmental standards in their enterprises and minimize environmental impact.

What you will learn

- Accurately define what fugitive emissions are and understand their impact on the environment, including their negative consequences
- Learn about existing legislation and regulations governing uncontrolled emissions and apply them in practice
- Apply methods for assessing and classifying emissions to determine their levels and significance from an environmental perspective
- Master technologies for monitoring and diagnosing fugitive emissions, allowing them to track and analyze data and make process adjustments as needed
- Learn about various technologies for cleaning, capturing, and processing emissions, and apply effective engineering solutions to reduce emissions in industrial processes
- Plan and develop emission reduction strategies, as well as create specific measures and programs for their management

Course overview — continued

- Understand how to integrate emissions management into strategic company management, considering economic and social aspects in this context
- Analyze successful cases of fugitive emission reduction and develop practical emission management plans for specific companies or situations

Curriculum

Modules 01–06

01 Introduction to Fugitive Emissions

- Definition of fugitive emissions and their impact on the environment

02 Emissions Assessment and Monitoring

- Methods for assessing and classifying emissions
- Technologies for monitoring and diagnosing fugitive emissions
- Tools for data collection and analysis

03 Technical Means of Emission Reduction

- Technologies for cleaning and capturing emissions
- Emission recovery and processing processes
- Effective engineering solutions for emission reduction

04 Managing Fugitive Emissions in Practice

- Planning and developing emission reduction strategies
- Developing measures for managing fugitive emissions
- Monitoring and auditing compliance with standards

05 Strategic Emissions Management

- Integrating emissions management into corporate strategy
- Economic and social aspects of managing fugitive emissions

06 Practical Cases and Case Analysis

- Analysis of successful cases of fugitive emission reduction
- Developing an emissions management plan for a specific oil and gas company

Programme instructor



Ekaterina Matveyeva

A highly motivated and experienced HSE and waste management professional. Education background - MSc, environment. Excellent personnel management skills, deep knowledge of health, safety and environmental standards and practices applicable in oil and gas industry, extensive experience in liaising with Contractors and Authorities in various countries, in particular development of waste management solutions for various legal environments.

Looking for a highly experienced and motivated HSE and waste management professional? Look no further than Ekaterina! With an MSc in Environment and extensive experience in the oil and gas industry, Ekaterina has the skills and knowledge necessary to excel in any waste management or HSE-related role.

In her most recent role as Project HSE Manager at Gydan Energy in Saint Petersburg, Ekaterina developed and implemented HSE management systems during the exploration phase, conducted incident investigations, and ensured legal compliance. In her previous role as Head of Waste Management at Assala Gabon, she managed a team and oversaw waste facilities of various sizes and designations, managing everything from operational waste to legacy waste and developing a waste management system for a newly acquired oil field.

Ekaterina's experience also includes roles as an HSE consultant for Tactise, an environmental and waste coach for DNO Iraq, an HSE Manager for Visionscape in Nigeria, and Head of Waste Management for Shell Iraq, among others. Throughout her career, she has been responsible for designing and constructing waste facilities, managing industrial and domestic waste, developing competence frameworks for staff, conducting incident investigations, and more.

In each of these roles, Ekaterina has demonstrated an unwavering commitment to safety and environmental standards and practices. She has liaised with contractors and authorities in various countries, developed waste management solutions for various legal environments, and managed budgets of up to $6 million per year.

If you're looking for a waste management or HSE professional with exceptional personnel management skills, deep knowledge of health, safety, and environmental standards, and extensive experience in liaising with contractors and authorities in various countries, look no further than Ekaterina. Contact her today to learn more about her qualifications and experience.

If you want to learn more about her career path and experience, we highly recommend watching the interview with her, conducted specifically for our Academy
https://www.youtube.com/watch?v=jRcOQq33j7Q

Participant ratings

Programme evaluation based on participant feedback

Overall programme rating — 3.5 / 5

Clarity of learning objectives	**3.8 / 5**
Confidence in applying knowledge and skills	**2.8 / 5**
Achievement of learning objectives	**3.0 / 5**
Relevance of content to job tasks	**2.5 / 5**
Suitability of difficulty for the level of preparation	**3.3 / 5**
Increase in knowledge	**2.8 / 5**
Skills development	**2.8 / 5**
Willingness to recommend the programme to colleagues	**2.5 / 5**

4 responses

Joining the programme

Contact the Academy and quote course code 000524 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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