TECHNICAL EDUCATION ACADEMY

Operational Risk Management Center

COURSE PROGRAMME

000392

HSSE055 - Use and Storage of Personal Protective Equipment

In the oil and gas industry, the mortality rate is, on average, seven times higher than in all other industries combined.



Learn from the best in their field

Course overview

Foundation level

Why take this course

In the oil and gas industry, the mortality rate is, on average, seven times higher than in all other industries combined. Workers face hazards while performing their daily duties, so employers must provide them with appropriate personal protective equipment (PPE).

According to the Occupational Safety and Health Administration (OSHA), the most common hazards faced by workers in the oil and gas industry include motor vehicle accidents, being struck by equipment or caught in machinery, burns, falls from heights, and exposure to chemicals. OSHA standards require that all workers be provided with suitable PPE, such as eye, hearing, hand, and foot protection, as well as flame-resistant clothing to ensure the safety of oil and gas industry workers.

The Occupational Safety and Health Administration (OSHA) mandates that employers provide workers with appropriate eye protection if there is a risk of exposure to flying particles or hazardous substances. They must also provide gloves suitable for the job duties and work environment, as well as protective footwear for workers on site who are near heavy objects or may be exposed to extreme temperatures or slipping hazards.

Oil and gas facility workers may be exposed to unsafe atmospheric conditions, so they must be provided with appropriate respirators, especially if they are working in confined spaces.

Delegates of this course will learn about various types of PPE, from high-quality protective clothing to durable breathing apparatus, and will become familiar with international standards for the selection, storage, and maintenance of various types of PPE.

Who it is for and how it helps

This course will be beneficial for employees (managers, engineers, supervisors, foremen, etc.) responsible for the issuance and inspection of personal protective equipment (PPE), as well as procurement department representatives and warehouse managers.

What you will learn

- Utilize legislative and regulatory frameworks in the provision of personal protective equipment to workers
- Organize the process of providing workers with personal protective equipment
- Identify types, purposes, and rules for the use of PPE based on the type of work performed and climatic conditions
- Conduct regular testing, inspections, and examinations of the PPE in use
- Conduct necessary activities with workers regarding the correct use and storage of personal protective equipment
- Operate equipment, instruments, and mechanisms (checking the condition of equipment, control devices, tools and fixtures, locks, grounding, and other protective measures)

Course overview — continued

- Perform maintenance and inspection of personal protective equipment

Curriculum

Modules 01–04

01 Regulatory Documents on Providing Workers with PPE

- General information on the procedure for providing workers with PPE
- Regulatory documents on providing workers with PPE
- International standards for providing workers with PPE (OSHA Requirements)
- International standards for providing workers with PPE (European Union Regulation (EU) 2016/425 on personal protective equipment)
- Employer responsibility for allowing a person to work without the required PPE and for failing to provide workers with PPE
- Worker responsibility for refusing to use PPE

02 Types of Personal Protective Equipment

- Classification and types of personal protective equipment
- Individual PPE and shared PPE

03 Technical Requirements for Personal Protective Equipment

- Requirements for special clothing and footwear (fire resistance, oil and grease resistance, anti-static properties, arc flash protection)
- Other personal protective equipment: characteristics, purpose, and usage rules
- Confirmation of compliance with regulatory and technical documentation and samples.
- Marking with a single product circulation sign on the market
- Requirements for special clothing, footwear, and other PPE, compliance with regulatory and technical documentation and samples
- Methods for checking the functionality and serviceability of PPE
- Standards (international, national, industry-specific, technical conditions) and other technical documentation. Procedure for developing technical documentation

04 Acceptance, Storage, and Maintenance of Personal Protective Equipment

- Inspection upon acceptance and storage conditions for personal protective equipment
- Organization of dry cleaning, washing, disinfection, and repair of special clothing, footwear, and other PPE
- Sanitary and domestic services for the proper use of personal protective equipment

Curriculum

Modules 04–09 · Module 04 — continued

- Training workers on the maintenance and inspection of personal protective equipment.

05 Assessment of PPE Requirements

- Technical and physiological-hygienic requirements for personal protective equipment and methods for their assessment
- List of personal protective equipment, norms for free issuance, and wear periods by climatic zones
- Climatic zones and their characteristics
- Procedure for filling out requests for personal protective equipment
- Procedure for issuing and using PPE

06 Head Protection

- Protective helmets/hard hats
- Summer/winter type balaclavas
- Thermal liner

07 Hearing Protection

- Earplugs
- Earmuffs

08 Eye/Face Protection

- Protective/safety glasses
- Goggles
- Visor/face shield
- Welding glasses/visors

09 Foot Protection

- Summer lace-up boots
- Summer protective boots without fasteners
- Winter lace-up protective boots
- Winter protective boots without fasteners

Curriculum

Modules 09–13 · Module 09 — continued

- Rubber protective boots for summer/winter
- Winter non-slip overshoes

10 Body Protection

- Summer/winter overalls
- Winter jacket/thermal insulation clothing
- Thermal underwear
- Disposable overalls
- Raincoats (coats/trousers)/rain suits
- High-visibility vest

11 Hand Protection

- General-purpose gloves
- Lightweight gloves
- Puncture-resistant gloves
- Cut-resistant gloves
- Heat-resistant gloves
- Thermal insulating gloves
- Extreme cold gloves

12 Chemical Protection

- Butyl rubber gloves for handling chemicals
- Polyvinyl alcohol (PVA) gloves for handling chemicals
- Polyvinyl chloride (PVC) gloves for handling chemicals
- Neoprene gloves for handling chemicals
- Nitrile gloves for handling chemicals
- Chemical apron/sleeves

13 Electrical Protection

- Arc-resistant coveralls
- Arc-resistant visors/shields

Curriculum

Modules 13–16 · Module 13 — continued

- Arc-resistant glasses
- Arc-resistant balaclava
- Hood
- Insulating mat
- Electrically insulated mittens/over-gloves
- Dielectric protective covers

14 Fall Protection

- Safety belts
- Double lanyard
- Fall protection

15 Flotation Devices

- Work vest
- Life jacket
- Inflatable life jacket

16 Respiratory Protection

- Dust masks
- Half-face and full-face masks
- Filters with varying degrees of protection
- Filter respirators, gas masks, respirators.

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000392 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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