TECHNICAL EDUCATION ACADEMY

Operational Risk Management Center

COURSE PROGRAMME

000553

HSSE058 - Ensuring Environmental Safety When Handling Hazardous Waste



Learn from the Best in the Business!

Course overview

Foundation level

Why take this course

The training on "Ensuring Environmental Safety When Handling Hazardous Waste" includes studying the following topics: hazardous properties of waste, classifying hazardous waste by their environmental hazard (waste inventory, enterprise requirements, determining waste hazard classes by calculation), and hazardous waste certification.

Environmental quality is ensured by the ecological safety of production, aimed at reducing the technogenic impact on nature and minimizing environmental risks. This is primarily achieved through ecologically and economically rational management of the environmental protection and resource-saving aspects of enterprise and organizational activities.

Who it is for and how it helps

Employees of organizations involved in hazardous waste management, whose job responsibilities and qualifications require knowledge of standards and regulations ensuring environmental safety in hazardous waste management for industrial and consumer waste and who seek the right to engage in such work.

What you will learn

- Navigate Federal and International Waste Management Laws and Regulations
- Recognize and Classify the Hazardous Properties of Waste
- Implement Procedures for Hazardous Waste Certification and Emergency Prevention
- Apply Standards for Permissible Environmental Impacts
- Manage Waste Generation and Disposal Within Regulatory Limits
- Use Appropriate Methods and Tools for Environmental Impact Assessments
- Manage Financial Aspects of Waste Management
- Prepare and Maintain Necessary Documentation for Licensing
- Organize Waste Flows at Municipal and Industrial Levels
- Employ Technologies for the Processing and Neutralization of Diverse Industrial Wastes

Curriculum

Modules 01–05

01 Basics of Waste Management Legislation

- Federal waste management legislation
- Legislation on waste management
- International obligations in waste management regulation
- Key requirements for individual entrepreneurs and legal entities engaged in waste management activities

02 Handling Hazardous Waste

- Hazardous properties of waste and methods for determining them
- Waste hazards for the environment (ecotoxicity)
- Classifying hazardous waste by environmental hazard
- Hazardous waste certification
- Preventing and eliminating emergencies in hazardous waste management

03 Regulation of Waste Impact on the Environment

- Standards for maximum permissible harmful impacts on the environment
- Waste generation norms
- Limits on waste disposal

04 Information Support for Waste Management Activities

- State waste inventory
- Federal state statistical monitoring in waste management
- Waste management accounting
- Information provision by individual entrepreneurs and legal entities engaged in waste management activities
- Public information on hazardous waste management. Professional training for managers and specialists authorized to work with hazardous waste

05 Laboratory and Analytical Support for Waste Management Activities

- Monitoring the environmental condition at waste disposal sites

Curriculum

Modules 05–11 · Module 05 — continued

- Methods and tools for controlling the environmental impact of waste
- Requirements for laboratories conducting analytical waste research and biotesting of their water extracts

06 Economic Mechanisms for Waste Management Regulation

- Waste disposal fees
- Environmental tax
- Waste management insurance
- Environmental damage in waste management and litigation
- Environmental auditing in waste management

07 Licensing Activities for Hazardous Waste Management

- Licensing requirements and conditions
- Content and documentation for hazardous waste management activities
- Licensing procedure for hazardous waste management

08 Control of Waste Management Activities

- Rights and obligations of individual entrepreneurs and legal entities under state control

09 Organization and Management of Waste Flows at the Municipal and Industrial Enterprise Level

- Organizing and managing waste flows at the municipal level and at industrial enterprises

10 Municipal Solid Waste Management

- Organizing environmentally safe municipal solid waste management systems in urban and other settlements
- Organizing selective collection of municipal solid waste

11 Transportation of Hazardous Waste

- Requirements for hazardous waste transportation

Curriculum

Modules 11–13 · Module 11 — continued

- Transboundary movement of hazardous and other waste

12 Utilization and Neutralization of Waste

- Technologies for processing the most common types of waste
- Utilization and neutralization of galvanic metallurgical production waste
- Utilization and neutralization of oil sludges
- Utilization and neutralization of gold slag waste from the electric power industry
- Utilization and neutralization of mercury-containing waste
- Processing used car batteries and worn tires
- Utilization and neutralization of polychlorinated biphenyl-containing waste
- New technologies for waste utilization and neutralization

13 Landfill Design and Operation

- Landfill design and construction
- Environmental impact assessment of landfill construction projects
- Landfill operation, closure, and reclamation

Joining the programme

Contact the Academy and quote course code 000553 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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