
Hazardous Waste Stewardship for Industrial Leaders Training Course

18 – 22 April 2027
Doha





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Programme Summary

Hazardous waste stewardship for industrial leaders is a one-week training course for senior leaders at strategic level, culminating in a hazardous waste and pollution control plan for their own site or portfolio. Liability for hazardous waste stays with the generator long after it leaves the gate, yet key decisions are often delegated without oversight. The approach follows each waste stream from generation to final disposal and links it to soil, water and air pollution risk. Mars Training Centre UK delivers this programme in hazardous waste stewardship.

The Business Case

Poorly classified or untracked hazardous waste creates long-tail liabilities: contaminated land, enforcement action, clean-up costs and loss of operating licences. Leaders who can see their waste inventory, choose defensible treatment routes and verify every receiving facility protect the organisation and often reduce cost through minimisation and recovery.

- Environmental Liability Exposure: Falls when every waste stream is characterised, tracked and sent only to verified facilities.
- Waste Handling and Disposal Cost: Reduces as the waste hierarchy drives minimisation, segregation and recovery.
- Permit and Licence Security: Strengthens through documented pollution prevention and reliable performance reporting.

Principles and Evidence Base

- Basel Convention and Its Technical Guidelines on Environmentally Sound Management: Set the expectations for treatment, disposal and transboundary movement applied in Sessions 1, 3 and 4.
- UN Globally Harmonized System of Classification and Labelling of Chemicals GHS: Informs hazard classification and communication in Session 2.
- UN Recommendations on the Transport of Dangerous Goods, Model Regulations: Guide packaging, labelling and transport controls in Session 3.
- ISO 14001:2015 Environmental Management Systems: Frames pollution prevention, monitoring and reporting in Session 4.



Intended Participants

- Executives accountable for environmental performance and permits at industrial or energy sites.
- Leaders who approve waste contractors, treatment routes and disposal budgets.
- Heads of function responsible for clinical, chemical or process waste in large organisations.
- Senior managers who answer to boards or authorities for contamination and pollution incidents.

The programme serves petrochemicals, oil and gas, manufacturing, healthcare and municipal services.

Learning Outcomes

1. Participants will be able to diagnose gaps in how their organisation classifies, stores and tracks hazardous waste.
2. Participants will be able to prioritise minimisation and recovery options using the waste hierarchy.
3. Participants will be able to evaluate treatment and disposal routes against environmentally sound management expectations.
4. Participants will be able to construct a due diligence process for waste contractors and receiving facilities.
5. Participants will be able to design pollution prevention and spill response controls for soil, water and air.
6. Participants will be able to justify waste performance indicators for board and permit reporting.

Programme Structure

Day 1: Hazardous Waste Stewardship and Liability

Why does hazardous waste remain a leadership liability long after it leaves the site?

- Generator Responsibility and Cradle-to-Grave Liability
- Basel Convention Principles and Environmentally Sound Management
- Waste Streams in Industry, Energy and Healthcare
- Contaminated Land and Legacy Liability Cases
- Hazardous Waste Governance Maturity Review

Day 2: Classification, Inventory and Minimisation

What waste does the organisation produce, and how much of it can be avoided?

- GHS Hazard Classes and Waste Characterisation
- Sampling, Analysis and Waste Profiles
- Waste Inventory and Mass Balance
- Waste Hierarchy and Minimisation Options
- Segregation, Reuse and Recovery Opportunities



Day 3: Storage, Transport, Treatment and Disposal

How is waste kept under control from storage to its final destination?

- Storage Area Design, Compatibility and Bunding
- Packaging and Labelling Under the UN Model Regulations
- Waste Manifests and Chain-of-Custody Tracking
- Treatment and Disposal Route Comparison
- Transboundary Movement Notification and Consent

Day 4: Pollution Prevention, Contractors and Response

How are pollution and third-party risk prevented and handled?

- Soil, Groundwater and Surface Water Protection
- Air Emissions From Waste Treatment
- Waste Contractor and Facility Due Diligence Audits
- Spill Response Planning and Remediation
- ISO 14001:2015 Monitoring and Performance Reporting

Day 5: Applying Hazardous Waste Stewardship

How are the tools combined into a plan for a real site?

- Applying the Waste Inventory to a Participant Site
- Ranking Minimisation Projects by Risk and Cost
- Selecting Treatment Routes for Priority Streams
- Peer Review of Contractor Audit Findings
- Hazardous Waste and Pollution Control Plan Presentation

Methodology

The programme combines case analysis from petrochemical, manufacturing and healthcare settings with structured exercises on participants' own waste data. Participants build inventories, compare treatment routes, audit a sample waste contractor file and test spill response decisions.

- Suggested activity: Characterising a mixed waste stream and assigning hazard classes.
- Suggested activity: Auditing a waste contractor's documents and site evidence.
- Suggested activity: Responding to a simulated drum store leak reaching a drainage system.



Capstone Output

Each participant completes a hazardous waste and pollution control plan for their site or portfolio. It contains a waste inventory, a minimisation priority list, chosen treatment routes, a contractor due diligence checklist, spill response arrangements and a set of performance indicators, ready for executive and permit review.

Frequently Asked Questions

Is hazardous waste stewardship training suitable for senior leaders?

Yes. It is designed for directors who own environmental permits, budgets or contractor decisions. It assumes management responsibility for operations but no prior specialist training in waste chemistry.

Which frameworks underpin hazardous waste stewardship in this programme?

It draws on the Basel Convention and its technical guidelines on environmentally sound management, the UN GHS for classification, the UN Model Regulations for transport and ISO 14001:2015 for pollution prevention and reporting.

How is the hazardous waste and pollution control plan used at work?

It becomes a working plan for your site: operations use its inventory and treatment choices, procurement the contractor checklist, and leaders the indicators in board and permit reporting.

How does hazardous waste stewardship differ from an environmental management system programme?

It concentrates on hazardous waste streams and the pollution they can cause, from classification to disposal and liability, rather than on building or auditing a whole environmental management system.