



Ship Solid Waste Management

Objectives:

Help the interested and involved parties in understanding the full dimensions of ship solid waste management, its cycle, its levels that have to be addressed every time we conduct a study on Solid Waste Recycling, its relationship with the other services and utilities in the community.

Contents:

1- General Introduction to SWM:

- Typical Waste Management Cycle
- Main Levels which Govern SWM

2- Characteristics of Civil Ports:

- Security
- Diversity of Ports (Passengers/Cargo, Oil, Fishing)
- Diversity of Stakeholders and their Interest
- Work Load/Expansion/Division
- Networking and Management

3- The Social Issues:

Main Stakeholders and the Role of each one of them:

- Ship Lines (Marine) Agents
- Waste Dealers
- Port Security
- Intelligence
- Customs
- Port Management
- Public Servants (Offices)
- Quarantines (Veterinary , Agricultural, Health)
- Marine Cargos
- Utilities, Engineering and Maintenance
- Storage Yards

4- The Legal Dimension National, and International Measures / Regulations:

- National Laws and Regulations
- International Marine Laws and Regulations (MARPOL)



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5- The Technical Expertise and Contracting procedures:

- Different Alternatives
- Contract Preparation (Overall Management/Cleansing)

6- Organizational Structure and Monitoring of Service:

- Diversity of Waste Collectors
- Establishment and system of Waste Collection Services Monitoring Unit (CMU)

7- The Environmental/Security Factors of Service Delivery:

- Provision of Environmental Measures
- Security Measures Required for Service Delivery

8- The Financial Factor:

- Cost of Service Vis a vi Quality of Service
- Different Alternatives for Cost Reduction

9- Case Studies:

- Port of Alexandria
- Sample of International Ports

10- Conclusion and Discussion

Language:

- The materials for the trainees will be in English.
- The language of instruction should be in Arabic / English.