Safety Guidelines and Good Industry Practices for Oil Terminals

Project on hazard and crisis management in Danube Delta

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Deep Water Horizon

Danube Delta
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Risk Management at the Danube Delta

Hazard Management

→ ARS Inventory
Danube Delta

→ Highest Risk:
3 Oil Terminals
UNECE Strategy for Risk Reduction

Objective

• A minimum set of requirements to ensure a basic and harmonized level of safety for hazardous activities throughout the UNECE Region.

• Application of accepted and published good practice procedures to ensure conformity with international standards.

• Assistance of national authorities and operators in ensuring and harmonizing an adequate safety level posed by such activities, potentially contributing to transboundary accidents.

→ Safety Guidelines
Safety Guidelines and Good Industry Practices for Oil Terminals

• International expert group

• Alexey Isakov (GCE Group, Russian Federation)
• Andy Roberts (United Kingdom Petroleum Industry Association, UKPIA)
• Eddy De Rademaeker (European Federation of Chemical Engineering, Belgium)
• Frank Candreva (Det Norske Veritas Germanischer Lloyd, DNV GL, Oil and Gas, Belgium)
• Gerhard Winkelmann-Oei (German Federal Environment Agency, Germany)
• Richard Gowland (European Process and Safety Centre, United Kingdom)
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• History

• 5 meetings of the Expert group
  • Berlin, 20012
  • St. Petersburg, Russian Federation, 2012
  • Antwerp, Belgium, 2013
  • Odessa, Ukraine, 2013
  • Geneva, 2014

• 2 site visits
  • Galati and Giurgiulesti (2011)
  • Odessa (2013)
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Safety Guidelines for Oil Terminals

→ Part 1
Principles & General Recommendations

→ Part 2
Technical and Organizational Safety Aspects

→ Part 3
Sources and further Reading
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Safety Guidelines for Oil Terminals

Part 1
Principles & General Recommendations

→ UNECE-Parties
→ Competent Authorities
→ Operators
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Safety Guidelines for Oil Terminals

Part 2
Technical and Organizational Safety Aspects
1. Design & Construction
2. Procurement, Construction and Asset Integrity Management
3. Operations
4. Closure & Decommissioning
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Safety Guidelines for Oil Terminals

Discussion and Commenting by
- Int. Organisations (March 2014)
- UNECE Bureau (June 2014)
- UNECE Member States
  (Aug. 2014)

→ 8th CoP (3 -5 Dec. 2014)
Thank you for your attention