



The European Union's TEN-T programme supporting

LNG Masterplan for Rhine-Main-Danube

Sub-activity 2.4 Technical Evidence & Safety & Risk Assessment

*Deliverable 2.4.4
Emergency and incident response study
(Havenbedrijf Rotterdam N.V.)*



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LNG Masterplan Consortium



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Contributing Authors

Organisation	Contribution by
Falck Risc & Unified Fire Services	Dr. Niall Ramsden Roger Roue CEng Brian Mo-Ajok MSc Gert-Jan Langerak Steve Watkins Ronald Peeters BSc

Introductory notes

The emergency and incident response study was subcontracted to a consortium formed by Falck Risc and Unified Fire Services (Gezamenlijke Brandweer) after the tendering procedure. The final deliverable was approved by involved beneficiaries and contractor(s) in December 2014.

PREFACE

The LNG Masterplan aims to promote LNG as a fuel and cargo for the inland navigation industry. It also formulates and enforces the necessary (safety) regulations for the use and transport of LNG.

The LNG Masterplan is supported by a 40 million Euro European Commission grant through the TEN-T Programme and is implemented by a consortium of 33 companies and organisations from the public and private sectors from twelve European member states. The project is supervised and coordinated by Pro Danube Management GmbH and the Port of Rotterdam Authority.

The Masterplan will also drive the construction and pilot deployment of several LNG bunker barges, LNG bunker stations, LNG fuelled push-boats, a containership and tankers. The containership Eiger Nordwand of Danser Group and the LNG propelled tanker Sirocco of Chemgas are already sailing.

The Rhine Port Group, which consists of the Port of Rotterdam Authority together with the Port of Antwerp, the Port of Mannheim, the Port of Strasbourg and the Port of Switzerland has asked the consulting consortium made of Falck and Unified Fire Services Rotterdam to provide guidelines and recommendations for emergency response organisations.

The target group is the inland navigation sector and incident and emergency control which operate in this field. This study supplies an overview of existing knowledge on emergency and incident response and newly developed guidelines regarding LNG incident response along the Rhine Corridor.

The document that is lying in front of you is the final result of half a year research by project team.

A first word of thanks goes to project management of Port of Rotterdam for their ongoing engagement and orderly coordination. A second word of thanks goes to the addressed contact persons of the Port Authorities within the Rhine Port Group who took the time and effort to fill in and return the questionnaire. Without their help the project team would not have been able to describe how LNG, the operational preparedness on (unforeseen) scenarios and the emergency response in the ports along the Rhine Corridor has been implemented so far.

On behalf of Rhine Port Group, we invite you to read this document. We are confident that by reading it you will gather new knowledge and insights about LNG emergency and incident response along the Rhine Corridor.

You will be informed on:

- the current state of emergency response along the Rhine Corridor
- the latest developments in emergency and incident guidelines
- the development of tools for operators and port authorities to manage credible scenarios caused by man or technical failures.

The project team:

B.P. Mo-Ajok
S. Watkins
G.J. Langerak
N. Ramsden
R. Roue
R. Peeters

Rotterdam, December 2014.

APPENDIX 4 | PROJECT PARTICIPANTS

Project team members	
Mr. B.P. Mo-Ajok	Unified Fire Services Rotterdam / Gezamenlijke Brandweer (NL)
Mr. S. Watkins	Falck (NL)
Mr. G.J. Langerak	Falck (NL)
Dr. N. Ramsden	Falck (UK)
Mr. R. Roue	Alkane Marine Consultancy (UK)
Mr. R. Peeters	Falck (NL)

Review group members	
Mr. M. Bakker	Boat master & coordinator firefighting vessels Fire Services, Safety Region South Gelderland (NL)
Mr. D. Van Gent	Unit manager emergency response, Port of Rotterdam (NL)
Mr. M. Meijer	Coordinator chemical advisors, EPA Rotterdam-Rijnmond (NL)
Mr. M. van den Berg	Hazmat officer, LIOGS Rotterdam (NL)
Mr. L. Labree	Fire chief, Unified Fire Services Rotterdam / Gezamenlijke Brandweer (NL)
Ms. I. Van de Woude	Policy advisor risk assesment, Safety Region Rotterdam-Rijnmond (NL)
Ms. K. Capello	Chief medical officer at Safety Region Rotterdam-Rijnmond (NL)
Mr. J. van Houwenhove	Consultant, Cryo Advise (BE)

Steering Committee	
Mr. R. Van der Veen	Falck (NL)
Ms. S. v.d. Pol – V.d. Hurk	Falck (NL)