

EMSA LNG Fuelled Ship Meeting – Brussels – Dec. 2012

***SIGTTO Involvement
in
LNG Fuelled Ships***

***Roger Roue
Principal Technical Adviser***

SIGTTO promotes the use of LNG as an environmentally friendly bunker fuel, but insists that it has the same level of safety as the greater LNG industry.

“The exemplary safety record of the LNG industry over the last 48 years and 67737 loaded voyages has relied on three basic parameters”

SIGHTTO

1. Robust design of equipment and systems
2. Good operational & maintenance procedures
3. High standards of training

General Safety Concerns

- Many potential players have shown a lack of knowledge of the properties & hazards of LNG – “cold diesel”
- Current LNG Industry experience is often ignored
- “Inconvenient” Codes & Standards being re-written
- Possibility that an incident on a LNG Fuelled vessel will impact on the greater industry

Particular Areas of Concern

- Training
 - Ships crew
 - Bunker suppliers
- Simultaneous Operations
 - Bunker spills - From 1974 to 2011 - 596 recorded bunker spills (33 over 7 tonnes)*
 - EASA Regulation NCO.OP.145 Refuelling with low flash-point fuel
- Ship Design
 - Location of bunker tanks
 - ESD Engine Room concept

* ITOPF

How is SIGTTO Addressing These Concerns?

- LNG Ship Fuel Safety Advisory group
- Participation in ISO TC67 WG10
- Participation in IMO IGF Code
- Participation in Key Conferences
- Proposing an LNG Bunkering Association

New NGO for LNG as Fuel

- At SIGTTO board mtg in Bermuda Nov 2012, SIGTTO GM tasked with setting up new NGO to deal with LNG as fuel
- LNG as fuel is technically outside of SIGTTOs purpose, as found in bye laws, is drawing on a lot of resources and potentially distracting to core purpose of Society
- Final decision will be made at next board in May 2013
- If approved, new NGO will be initially based as sister organisation in SIGTTO's office with shared secretariat
- Its members will be main stakeholders with biggest risk, i.e. bunker suppliers, shipowners, port authorities etc
- General manager recruitment would start in May, until new GM in place, SIGTTO GM will run the organisation

LNG Ship Fuel Safety Advisory Group

- Promote the use of natural gas as a safe and environmentally friendly marine fuel with an equivalent level of safety of that of the large scale LNG transport industry.
- Interface with and proactively support stakeholders in the marine gas fuel industry.
- Identify issues and provide guidance and information based on the experience of group members.
- Provide practicable guidance and assistance to SIGTTO to assist in the development of sound and practical policies to aid the development and implementation of the use of NG as marine fuel.

LNG Ship Fuel Safety Advisory Group Progress

- 2 Group Meetings
 - Sub-Group on Training
- Chairman has offered advice to new players
 - Aga and Viking

IMO IGF Code

- Areas of Concern to be Addressed
 - Heavier than air gases
 - Toxic gases
 - Location of bunker tanks
 - ESD Engine Room Concept

THANK YOU
SIGTTO