

The Influence of Environmental
Legislation –
To What extent is the Efficiency of
Ship Operation influenced by
Politics?

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The Maritime Environment

- This Presentation presents some of my personal views relating to the current Regulations and the Protection of the Maritime Environment
- The Maritime Environment is a large expanse of water which we know relatively little about.
- Has been used as a prime dumping ground for Public waste but needs Protection.

International Maritime Environmental Legislation

- A Brief Overview:
 - Marine Pollution Regulations (MARPOL)
 - MARPOL Annex I – Oil Pollution
 - MARPOL Annex II – Noxious Liquid Sub. Pollution
 - MARPOL Annex III – Package Harmful Sub.
 - MARPOL Annex IV – Sewage Pollution
 - MARPOL Annex V – Garbage Pollution
 - MARPOL Annex VI – Air Pollution
 - Oil Pollution Response Convention
 - Anti-Fouling Convention
 - Ballast Water Convention

The Legislation and Politics!!

- What is Politics? – A Judicial Expression of the Will or Requirements of the People
- How is INTERNATIONAL Legislation or Regulation created?
 - Addresses the specific issue
 - Consensus approach – addressing differing agendas
- Is thought given to the full scope of the Regulation and consequential “side effects”?
- Holistic implications – correct one aspect but impact another!!

The Needs for International Regulations

- International Regulation needs to address:
 - Meet Long Term Goals for the environment
 - Achievable and consistent to allow for planning
 - Maintain a “level playing field” for all ships
 - Brought into force promptly by all States
 - Properly enforced by all as per the Rules
- Regional Regulations are to be avoided
 - They create many operational and planning difficulties and uncertainties

Regulations and their impact on Tanker Operations

- INTERNATIONAL REGULATIONS
 - Anti-fouling Regulations
 - Ballast Water Regulations
 - Air Pollution Regulations
 - Oil Pollution Regulations

Which of these Regulations does not impact CO2 emissions??

Impact of Regional Regulations

- The EU Sulphur Directive
 - Additional fuels required
 - Availability of these fuels worldwide
- The Proposed US Federal Regulations and California
- Other potential or future Regional requirements

Additional Future Requirements

- **Global Warming**
 - **CO2 emissions**
 - **GHG Emissions as a whole**
- **Re-Cycling of Ships**



**Thank you for your
invitation**

Questions??



SHIP EFFICIENCY

by STG

