

Implementing MARPOL Regulations For Reception Facilities

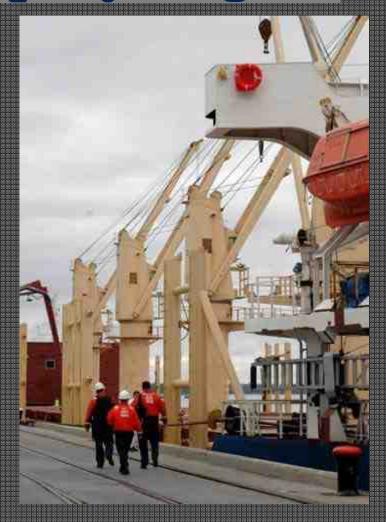
- US Approach Certificate of Adequacy (COA) Program
- IMO FSI Correspondence Group Tackling Inadequacy of Port Reception Facilities
- A Guide to Good Practice for Ship Owners/Operators and Port Operators
- ISO Standards for Waste Handling On-board and In-port
- International Cooperation and Creating Consensus





US Certificate of Adequacy Program

- Program Oversight
- Regulatory Background
- COA Program
- Facility Inspections
- Inadequacy Reports/Investigations
- Reporting to IMO
- Guidance to Field Units/IndustryOutreach
- Program Goals
- Some Statistics







Program Oversight

- Implement MARPOL via US regulations and policies
- Develop national guidance for field units and industry for COA certificate issuance process and enforcement
- Monitor COA application, inspection, and reporting process
- Investigate and Review all reports of inadequacy
 - Initiate any necessary administrative/legal action to correct inadequacies
 - Provide reports and investigation results to IMO
- Maintain public database of port reception facilities via Coast Guard's Maritime Information Exchange (CGMIX), which is accessible via IMO's Global International Shipping Information System (GISIS)
- Conduct outreach regarding the COA program to domestic and international industry groups, end users, and port operators.





Regulatory Background

- US is party to ANNEX I, II, III, V, and VI
- US law implementing MARPOL is the ACT TO PREVENT POLLUTION FROM SHIPS (APPS) 33 U.S.C. §§ 1901-1912 (Gives authority to the USCG to enforce MARPOL)
- USCG developed Certificate of Adequacy (COA) program in the APPS implementing regulations, IAW recommendations in IMO Guidelines at Chapter 7.1
- Commandant Instructions for administering COA program
 - M16450.27 Oil (1985)
 - M16450.29 NLS (1987)
 - M16450.31 Garbage (1989)
- MARITIME POLLUTION PROTECTION ACT of 2008 (signed into law on July 21, 2008) amends APPS to include Annex VI





The COA Program

- APPLICABILITY to ports and terminals Who needs a COA?
 - Annex I Rcvs ships 400 GT or more w/ oily mixtures
 - Annex II- Rcvs ships carrying NLSs
 - Annex V- Rcvs Annex I or II vsls or fishing vsls which offload 500K lbs/year of fisheries product. All terminals must provide MARPOL V reception facilities including small rec. marinas not requiring a COA
- CRITERIA for adequate facilities Timeliness
 - Annex I Must rcv oily mixtures w/n 24-hrs of notice & must complete transfers w/n 10-hrs for ballast water & w/n 4-hrs for other oily mixtures.
 - Annex II Must rcy residues w/n 24-hrs of notice & must complete transfers w/n 10 hrs.
 - Annex V Must rcv APHIS (Animal and Plant Health Inspection Service) regulated garbage w/n 24-hrs of notice (Protecting Public Health)





The COA Program (2)Reception Facility Adequacy

- CRITERIA for adequate facilities Capacity
 - Regulations provide detailed guidelines for determining the reception capacity needed for each type of waste
 - Calculations and formulas based on IMO guidance
- CRITERIA for adequate facilities Equipment
 - Annex I Must have a standard discharge connection that meets requirements as standardized for ships (33 CFR 158.250)
 - Annex II Facilities that receive ships transferring Non-Solidifying or Non-High Viscosity Category Y or Z NLS must be capable of receiving such residues during stripping operations at an avg flow rate of 6 cubic meters per hour w/out backpressure exceeding 101.6 kPa.





MARPOL RECEPTIONFACILITIES

- Must hold each federal, state and local permit or license required by environmental and public health laws concerning waste handling
- Must be arranged so as not to interfere with port or terminal operations
- Must be conveniently located so it can be easily found and use is not discouraged
- Must be situated so that wastes and residues removed from ships cannot readily enter the water







COA Facility Inspection Program

- Inspections are encouraged annually
- Inspectors must be qualified through Certificated Program



- Inspector Training and Job-aids
- Inspectors record results of inspections using Coast Guard's Marine Information for Safety and Law Enforcement System (MISLE)





Inadequacy Reports/Investigations

- US encourages reports by any means to COTP
- US encourages use of the standard format for reporting alleged inadequacy of PRFs to the IMO (MEPC.1/Circ.469/Rev.1)
- Field Units copy COMDT (CG-5442) on any inadequacy investigation
- Examine suspected facilities'
 - ✓ Waste stream logs for waste streams from vessels
 - Uniform Hazardous Waste Manifests
 - Declarations of Inspections (DOIs)





Inadequacy Reports/Investigations

- If facility determined to be inadequate, corrective actions may include:
 - y lakaroi waming
 - Recommendations to correct
 - ✓ Revocation of COA
 - ✓ Denial of vessel entries to port
 - ✓ Legal action under US law







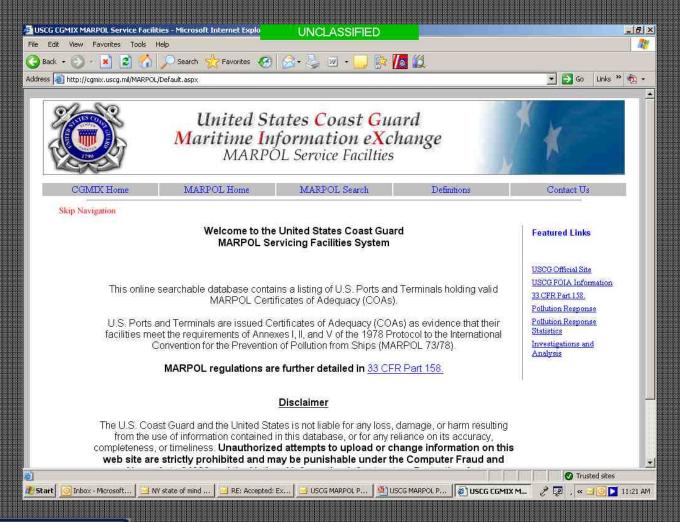
MARPOL Reporting to IMO

- Port Reception Facility Database mandated by Congress in 33 USC 1905
- Coast Guard maintains public database via Coast Guard's
 Maritime Information Exchange (CGMIX) automatically updated through MISLE
- Link: http://cgmix.uscg.mil/MARPOL/Default.aspx available on IMO Port Reception Facility Database (PRFD) via IMO's Global Integrated Shipping Information System (GISIS)
- US supports use of the IMO PRFD as the primary source for information about port reception facilities worldwide
- Reports of Inadequacy and Investigation Results provided to IMO (Legal and Regulatory Compliance Division).





CGMIX Database







Summing up Program Goals

- Promote safety and environmental stewardship
- Promote and encourage pollution prevention policy internationally, nationally and locally
- Keep industry on the move with minimal delays
- Encourage best practice methodology and use of technology by working with industry and IMO Member States.
- Insure that Field Inspectors have necessary experience and qualifications.
- Achieve and maintain 100% MARPOL compliance





Industry/Field Unit Outreach Efforts

- Navigation and Vessel Inspection Circular (NVIC) and COMDT Instructions for COA issuance process
- Marine Safety Manual (MSM)
- Attend public meetings/comment
- Give presentations at industry forums and conferences; solicities in the solicity is a solicity and conferences; solicity is a solicity in the solicity and conferences; solicity is a solicity and conferences; solicity is a solicity in the solicity is a solicity and conferences; solicity is a solicity in the solicity in the solicity is a solicity in the solicity in the solicity is a solicity in the solicity in the solicity is a solicity in the solicity in the solicity in the solicity is a solicity in the solicity in the solicity in the solicity is a solicity in the solicity in the solicity in the solicity is a solicity in the solicity in the
- Participate on national and international Correspondence and Work Groups on reception facility and port related safety, pollution prevention, and environmental issues.





US Facility Statistics — 2007 data

Vessel Arrivals at US Ports	146,756
US Facilities of all types	35,611
Facility Inspections Conducted (Total for all types)	17,259
Annex I Facilities Holding a COA	670
Annex II Facilities Holding a COA	130
Annex V Facilities Holding a COA	2230 (Total Includes Annex I and II Facilities)





IMO FSI Correspondence Group

Tackling the Inadequacy of Port Reception facilities

- 2007 IMO establishes a CG and includes the following in its recommended work plan:
 - Develop Standardized Advance Notice and Waste Receipts
 - Enhance the functionality of IMO GISIS Port Reception Facility Database
 - Identify technical problems with transfer of ships' waste to shore facilities and develop standards for waste handling on-board and in-port
 - Identify types and amounts of wastes and capacity requirements at waste reception facilities
 - Develop a "Guide to Good Practices" for PRF users
 - Review/Update IMO Manual for Port Reception Facilities
 - Develop a program to help improve reception facilities around the world





IMO FSI Correspondence Group

Progressing the Work Plan

- **2008 2009**
 - Standardized Advance Notice and Waste Receipts approved and available for download as MEPC.1/Circ.644 and Circ.645
 - IMO GISIS Port Reception Facility Database fully functional
 - "Guide to Good Practices" for PRF users available on GISIS website
 - CG Re-established through 2010 to complete work





"Guide to Good Practice" For Port Reception Facility Providers

and Users

- A General Guidance document in the form of an IMO Circular: MEPC.1/Circ.671
- Downloadable from GISIS website: http://gisis.imo.org/Public/
- Includes Definitions and suggestions for ship owners/operators and reception facility operators
- Inadequacy Reporting and Advance Notice and Waste Receipt Forms are also provided





MEPC.1/Circ.671

ANNEX

GUIDE TO GOOD PRACTICE FOR PORT RECEPTION FACILITY PROVIDERS AND USERS





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APPENDICES

- Appendix 1 IMO Circular MEPC.1/Circ.469/Rev.1, 'Revised Consolidated Format for Reporting Alleged Inadequacy of Port Reception Facilities
- Appendix 2 MEPC.1/Circ.644: Standard Format for the Advance Notification Form
- Appendix 3 MEPC.1/Circ.645: Standard Format for the Waste Delivery Receipt

ISO Standard For Waste Handling On-board Ships

- ISO Shipboard Waste Handling Standard 21070
 - Waste Segregation
 - Storage
 - Waste Minimizing
 - Waste Handling Equipment





ISO Standard For Waste Handling at Port Reception Facilities (in Development)

- ISO Interim Standard for Port Reception Facilities
 - Waste Segregation
 - Storage
 - Waste Minimizing
 - Waste Handling Equipment
 - Recycling
 - Local and National Regulations





International Cooperation/ Consensus Building For Managing Ships Wastes on a Global Seale

Protection of the Global Ocean Environment is a shared responsibility

- The maritime community owns this issue
 - Ship Owners
 - Port Operators
 - Governments/Regulators/National Coast Guards
 - Industry Groups
 - NGOs and Governing Organizations and Bodies





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