

# Country Report on MARPOL Annex VI- Belize



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**Organization: Belize Port Authority**

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# Outline

- Introduction
- Institutional
- Legislation
- Monitoring and Enforcement
- Technology
- Opportunities

## Introduction: Registered Vessels

### **Belizean Registered Vessels as of October 2017**

Vessel Type							
Bulk Carrier	Cargo	Fishing	Misc.	Passenger	Offshore	Pleasure	Tanker
88	250	68	351	14	14	161	41

**Total Registered Vessels: 987**

# Introduction- Ship Calls to Port

## Ship Calls 2012-2016 by Vessel Type

Year	2012	2013	2014	2015	2016
Type of Vessel					
Cruise	221	236	334	218	222
Cargo	261	283	225	242	180
Tanker	27	30	33	39	27
Pleasure Craft	4	3	2	6	3
TOTAL	513	552	594	605	432

# Introduction Continued

## Belize Signatory to IMO Conventions

As at 9/10/2017	
<b>X</b>	IMO Convention 48
<b>X</b>	SOLAS Convention 74
<b>X</b>	SOLAS Protocol 78
<b>X</b>	SOLAS Protocol 88
<b>X</b>	LOAD LINES Convention 66
<b>X</b>	LOAD LINES Protocol 88
<b>X</b>	TONNAGE Convention 69
<b>X</b>	COLREG Convention 72
<b>X</b>	STCW Convention 78
<b>X</b>	MARPOL 73/78 (Annex I/II)
<b>X</b>	MARPOL 73/78 (Annex III)
<b>X</b>	MARPOL 73/78 (Annex IV)
<b>X</b>	MARPOL 73/78 (Annex V)
<b>X</b>	<b>MARPOL Protocol 97 (Annex VI)</b>
<b>□</b>	CLC Convention 69
<b>X</b>	CLC Protocol 76
<b>X</b>	CLC Protocol 92
<b>X</b>	FUND Protocol 92
<b>□</b>	PAL Convention 74
<b>X</b>	PAL Protocol 02
<b>X</b>	BUNKERS CONVENTION 01



# Institutional

- Flag State, Port State & Coastal State
- International Merchant Marine Registry of Belize (IMMARBE)
- Belize Port Authority (BPA)
- Belize Coast Guard (BCG)
- Department of the Environment (DOE)

\*Resources: Human, technological, financial

# Legislation DOE

- DOE- EPA Ch 238 Pollution Regulations
- Part III Air Pollution Generally 6 (1) no person shall cause, allow or permit contaminants to be emitted or discharged either directly or indirectly, into the ambient air from any source.
- (4) notwithstanding the emission standards specified in these regulations, no person shall cause the ground level concentration outside the boundaries of his operation to exceed limits so specified.



# Legislation Continued DOE

- Pollution Regulations Continued
- Part IV 14 (1) no person shall cause or permit the emission of particulate matter into the atmosphere, caused by the combustion of fuel, from any fuel burning equipment in excess of the quality established by the standards of the department.
- Part VIII 56 if an offense is committed against these regulations with respect to the discharge or emission of waste of pollutants or noise from any ship, the owner and the master of the ship are each guilty of an offense





# Legislation Continued Belize Coast Guard

- Belize National Coast Guard Service (Amendment) Act, 2016
- (3) the power conferred by subsection \*(1) and (2) shall be for the purpose of the enforcement of Belize's Maritime laws, security, and marine resources protection to the maritime areas of Belize, and in particular the enforcement, assistance in the enforcement of the provisions of any law relating to,
  - (f) marine resources and environmental protection,
  - (h) marine pollution
  - (v) enforcement of all marine conventions that the State is party to including, but not limited to those such as or, as the case may be, relating to the following:
    - \*(i) SOLAS, (ii) MARPOL, (v) UNCLOS

# Monitoring and Enforcement

- Role of Flag; IMMARBE- requires all ships flying Belize flag to implement and comply with MARPOL where applicable through a R.O
- \*Role of PSC; Belize Port Authority- PSCO include MARPOL annex VI in their routine foreign flagged vessels' inspections
- Department of the Environment- 2014-2016 data gathering on SO<sub>x</sub>, NO<sub>x</sub> and VOC's on two sites; Belize City and Harvest Caye



# Technological

- Emission reduction and energy efficiency uptake incentives
- Status of data collection mechanisms
- Current national initiatives of GHG emissions as related to MARPOL
- Status of on going research and projects on energy efficiency
- Existing Reporting System for vessels arriving and departing territorial waters



### NOTICE OF ARRIVAL

*This form is to be completed and fixed to the Belize Port Authority  
No later than 48 hours in advance of the vessels intended arrival.  
Fax: 501-223-0710/2318*

#### Ship's Particulars

Name of Vessel: _____	Country of Registry: _____	REG #: _____
Voyage Number: _____	Call Sign: _____	Type: _____
IMO Number: _____	DWT: _____	LOA: _____
Name of Master: _____	Draft Fwd: _____	Beam: _____
Gross Tonnage: _____	Draft AFT: _____	No. Ratings: _____
Net Tonnage: _____	Number of Crew: _____	No. of PAX: _____

#### Security

ISSC Number: _____	ISSC Issue Date: _____	ISSC Exp. Date: _____
Current Security Level: _____	Last Port of Call: _____	Next Port of Call: _____
Last Ten Port of Call:		Security related incident over the last ten Port of Call N/Y (If "Yes" Explain)
1. _____	2. _____	
3. _____	4. _____	
5. _____	6. _____	
7. _____	8. _____	
9. _____	10. _____	

#### Port Activity

To Berth: <input type="checkbox"/> Y <input type="checkbox"/> N	To Anchorage: <input type="checkbox"/> Y <input type="checkbox"/> N	Other: <input type="checkbox"/>
Purpose of Visit: Load <input type="checkbox"/> Unload <input type="checkbox"/>	Pleasure <input type="checkbox"/> Research <input type="checkbox"/>	
Other (Explain) _____		
ETA Territorial Waters: _____	Date: _____	ETA Pilot Station: _____
Port of Call in Belize: _____	Date: _____	ETD: _____
Dangerous Goods <input type="checkbox"/> Y <input type="checkbox"/> N		
If yes, please complete and fax the Belize Port Authority's Dangerous Goods form for approval to 501-223-0710 or 223-2318.		

#### Communications

Radio: <input type="checkbox"/>	Working Frequency: _____	Email: _____	Tel No: _____
Vessel's Operator: _____ (Name, Address, Contact Number)			
P & I Club: _____ (Name, Address, Contact Number)			
H & M Insurers: _____ (Name, Address, Contact Number)			
Date: _____			
Name of Master/Agent: _____			
Signature: _____			

**NOTE: All vessels are required to communicate to the National Maritime Communications Center on channel 16, their arrival within territorial waters and the Level of Security currently in effect.**

### NOTICE OF DEPARTURE

To: **Belize Port Authority** Date: \_\_\_\_\_

- Vessel Name: \_\_\_\_\_ ROT: \_\_\_\_\_
- Flag: \_\_\_\_\_
- Port of Registry: \_\_\_\_\_
- Gross Tonnage: \_\_\_\_\_ Net Tonnage: \_\_\_\_\_
- Date & Time of Arrival: \_\_\_\_\_
- Port at Which Voyage Commenced: \_\_\_\_\_
- Last Port of Call: \_\_\_\_\_
- Next Port of Call: \_\_\_\_\_
- Cargo Discharge (Containers) \_\_\_\_\_
- Cargo Discharge (Tons) \_\_\_\_\_
- Cargo Loaded (Containers) \_\_\_\_\_
- Cargo Loaded (Tons) \_\_\_\_\_
- Date & Time Sailed: \_\_\_\_\_
- Draft (FWD.) \_\_\_\_\_ Draft (AFT.) \_\_\_\_\_
- Name of Pilot: \_\_\_\_\_
- English Caye: \_\_\_\_\_ Snake Caye: \_\_\_\_\_
- Name of Master/Agent: \_\_\_\_\_
- Signature: \_\_\_\_\_



## Technological Continued

- Barriers to measurement of GHG emissions from ships- lack of equipment and training (data gathering & interpretation)
- Access to harmonized data collection system



# Initiatives to MARPOL Annex VI Implementation

- **Proposed Regulations to address MARPOL requirements in draft stage \*Marine Pollution Bill 2013**
- **Draft PRF Legislations**

# Opportunities and Partnerships- MTCC

- Lessons Learnt Regionally
- Legislation drafting
- Incentives/ penalties for Flag & Port  
State Control
- Harmonized data gathering





**END**

**Thank You**  
**Questions**