

MariApps Marine Solutions



Compliance with MARPOL & IMO

MARPOL's requirements

The International Convention for the Prevention of Pollution from Ships (MARPOL) is the main international convention governing prevention of pollution of the marine environment by ships from operational or accidental causes.



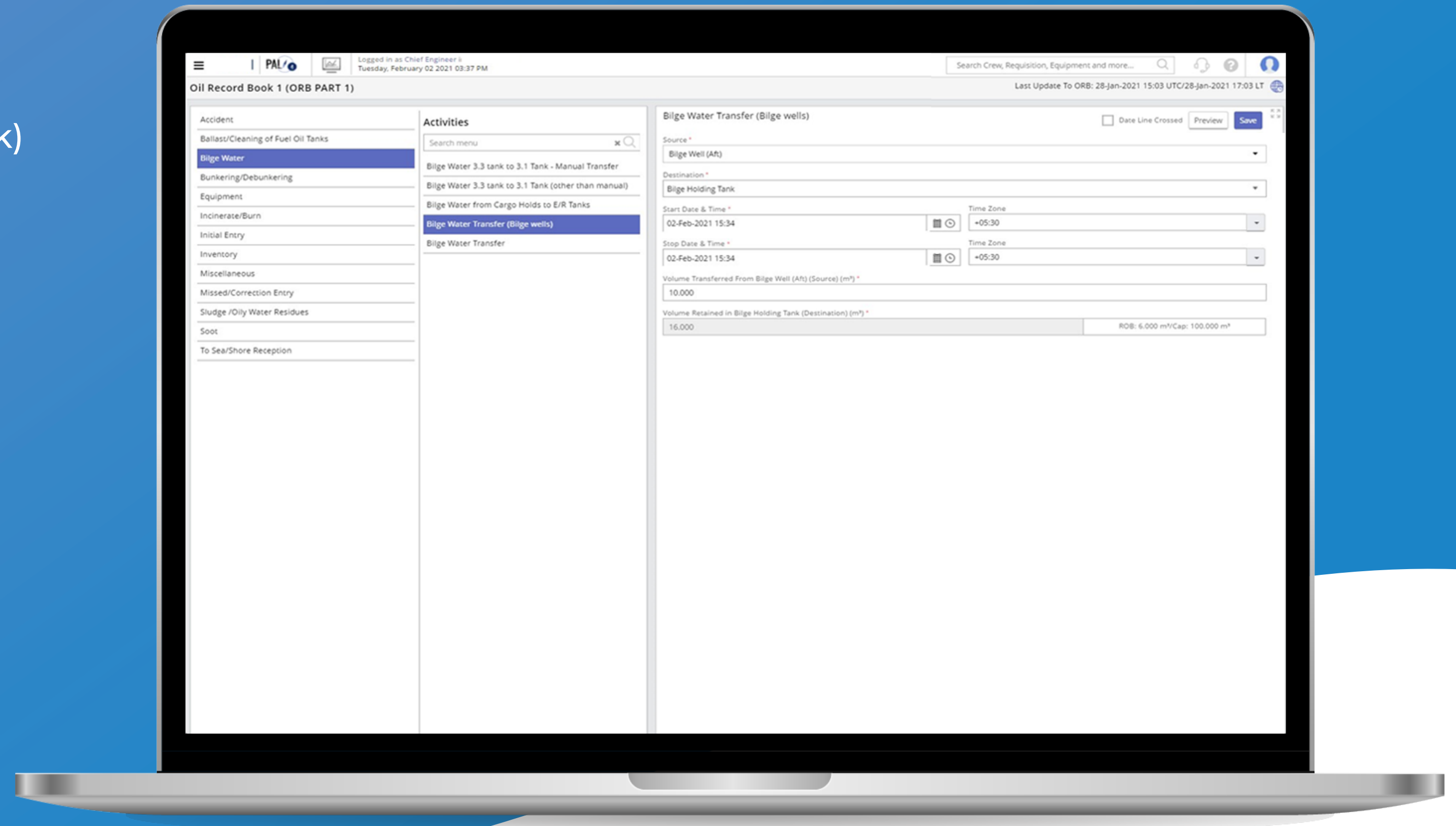
IMO requirements

- Complies with RESOLUTION MEPC.312(74)
- Secured multi-step password protection
- Automatic validation of entries
- History achieved and without data storage limitations
- E- Signature for authorization
- Feature to add attachments
- Facility to upload flag circulars and communicate to the vessel
- Easy back up, restore and audit options
- Export to compatible data formats
- Easily trackable audit log facility
- Continuous software updates and support
- Time zone selection hence entries remain in local time
- Option to make entries across Dateline
- Multi level back up and restore facilities

smartPAL's Electronic Record Books (eRBooks)

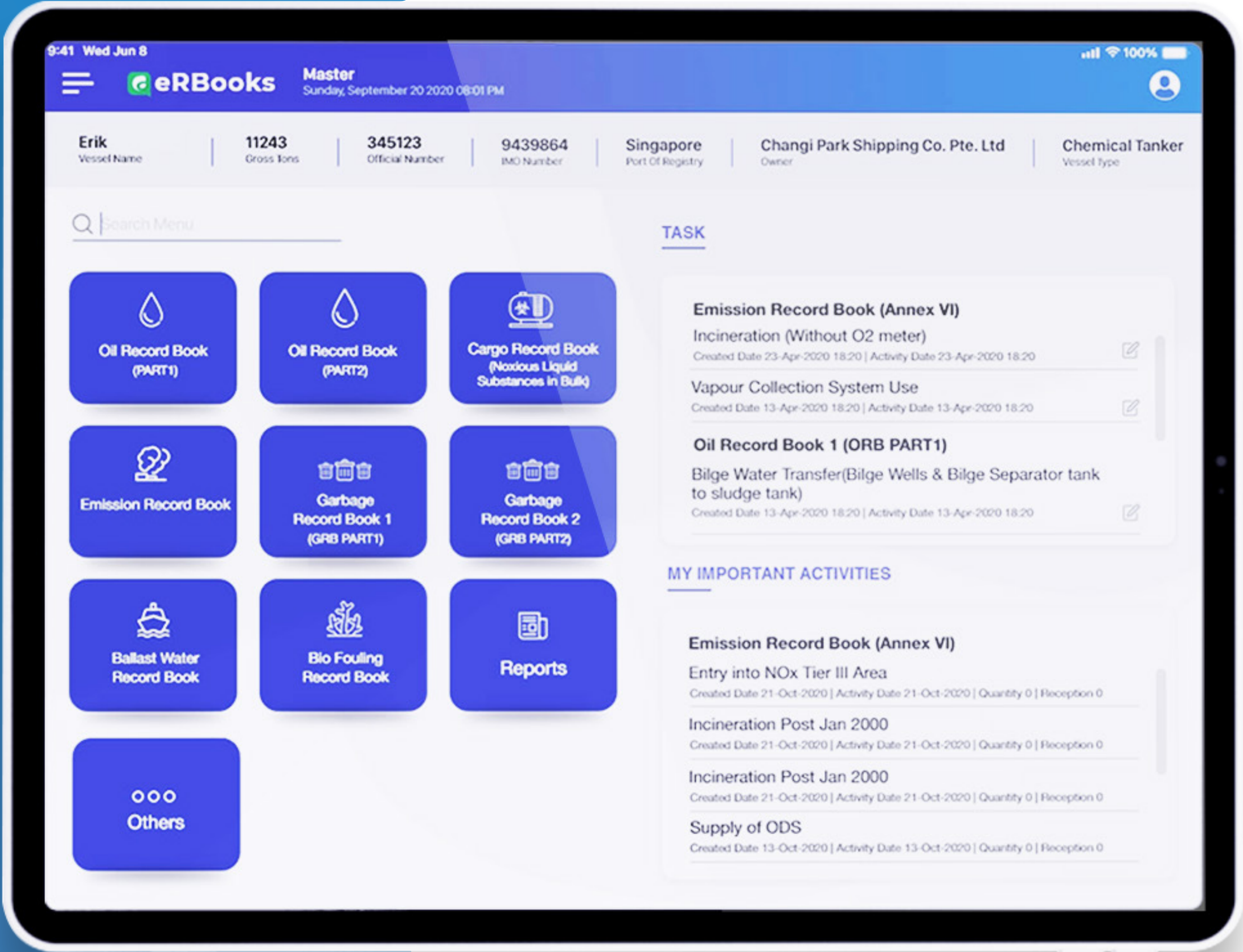
eRBooks software application to replace the traditional paper record books

- Oil Record Book Part 1 (ORB Part 1)
- Oil Record Book Part 2 (ORB Part 2)
- Emission Record Book (Annex VI)
- Cargo Record Book 1 (Noxious liquid substances in bulk)
- Ballast Water Record Book
- Garbage Record Book Part 1 (GRB Part 1)
- Garbage Record Book Part 2 (GRB Part 2)
- Biofouling Record Book
- MARPOL Sealog



eRBooks Available on Tablets

eRBooks can also be accessed using Android and iOS- based portable tablet device



Advantages of *smart*PAL's eRBooks

- Automated calculations & validations
- User-friendly interface
- Web-based
- Record keeping is efficient



- Recordkeeping by authorized personnel
- Secured access (Multi layer security)
- E-Signature facility
- Encrypted data with AES-256





- Compliance with IMO regulations
- Maintenance & support plan
- Mandatory software updates that ensure compliance with regulations

- Reminders for pending tasks
- Overview of key operations on one display
- Automated analytical reports
- Increase transparency, reduce human error

Print Formats Matching with IMO Requirement Flow

Oil Record Book 1 (ORB PART 1)			
Name of Ship : Yuan 1		Official Number : XXXX	
IMO Number : 9532599			
Date	Code	Item	Record of operations/Signature of officer in charge
06-Sep-2020	G	22	06-Sep-2020 22:13Hrs
		23	Place or Position: Kochi
		24	Type: 1 and Quantity of oily residue : 1 m ³
		25	Circumstances of the discharge: test
		Signature In-Charge: 2nd Engineer , 06-Sep-2020 22:14  Soldevilla Jr. Tushar Pramod 2020 23:54	
			Signature Chief Engg:
		*	
06-Sep-2020	G	22	06-Sep-2020 22:14Hrs
		23	Place or Position: Koh Samui
		24	Type: 1 and Quantity of oily residue : 1 m ³
		25	Circumstances of the discharge: test1
		Signature In-Charge: 2nd Engineer , 06-Sep-2020 22:44	
		 Soldevilla Jr. Tushar Pramod	

GARBAGE RECORD BOOK RECORD OF GARBAGE DISCHARGES							
PART I - (All ships)							
For all garbage other than cargo residues as defined in regulation 1.2 definitions							
Name of Ship : Yuan 1		Official Number : XXXX		IMO Number : 9532599			
Garbage categories A-Plastic B-Food waste C-Domestic wastes(e.g. paper products, rags, glass, metal, bottles, crockery, etc) D-Cooking oil E-Incinerator ashes F-Operational wastes G-Animal carcasses H-Fishing gear I-Electronic waste							
Operational discharges under MARPOL Annex V regulations 4 (Discharge of garbage outside special areas), 5 (Special requirements for discharge of garbage from fixed or floating platforms) or 6 (Discharge of garbage within special areas) or chapter 5 of part II-A of the Polar Code							
Date/Time	Position of the ship (latitude/longitude) or port if discharged ashore or name of the ship if discharged to another ship	Category	Estimated amount discharged		Estimated amount incinerated (m ³)	Remark: (e.g. start/stop time and position of incineration; general remarks)	Certification Signature
			Into Sea (m ³)	To reception facilities or to another ship (m ³)			
15-Jun-2020 14:08	Lat:1°2' N, Long:3°4' E	E	1.000 m ³				 Master 22-Jun-2020 16:00
18-Jun-2020 16:49	Lat:1°2' N, Long:3°4' E	A	1.000 m ³				 Chief Officer 18-Jun-2020 16:00

Type Approvals



Flag State Approvals



Marshall Islands
Certificate Received



Finland
Certificate Received



Liberia
Certificate Received



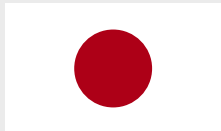
Hong Kong
Certificate Received



Singapore
Certificate Received



Cyprus
Certificate Received



Japan
Certificate Pending



Panama
Certificate Pending



Bahamas
Approval upon
shipowner's request



Barbados
Approval upon
shipowner's request



Bermuda
Pending Red Ensign Group
decision on process expected



Cayman Islands
Pending Red Ensign Group
decision on process expected soon



Germany
Ongoing discussion



Gibraltar
Ongoing discussion



Greece
Ongoing discussion



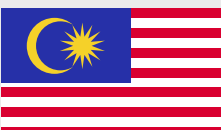
India
Application process prepared



Indonesia
Ongoing discussion



Isle of Man
Approval upon
shipowner's request



Malaysia
Ongoing discussion



Malta
Approval upon
shipowner's request



Mexico
Ongoing discussion



Portugal
To approach via class SMCs need
to do for each ship



Spain
Ongoing discussion



Thailand
Ongoing discussion



UK
Application process prepared



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THANK YOU

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